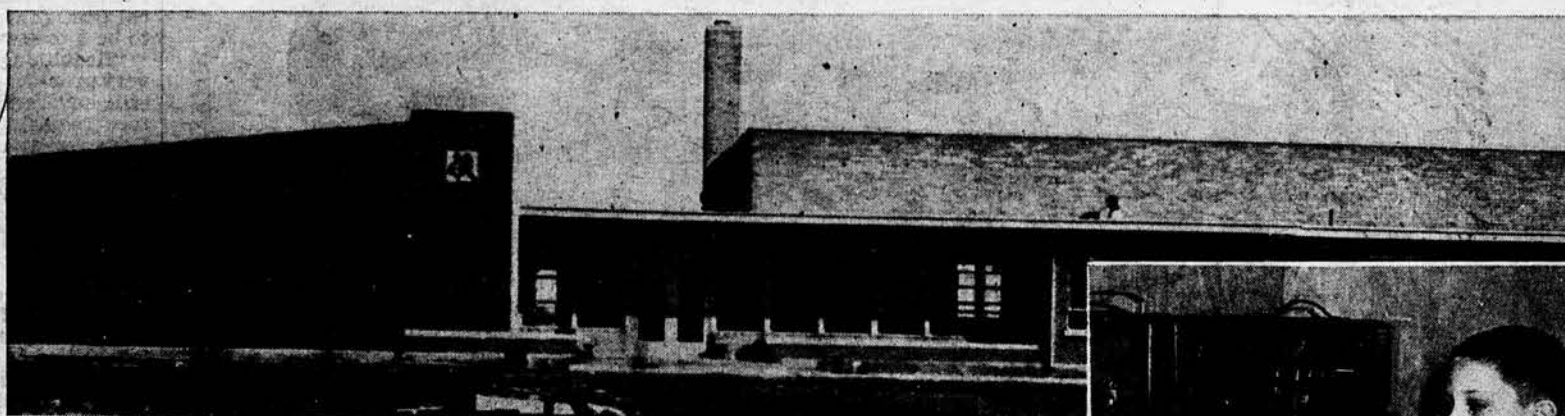


Kansas Farmer



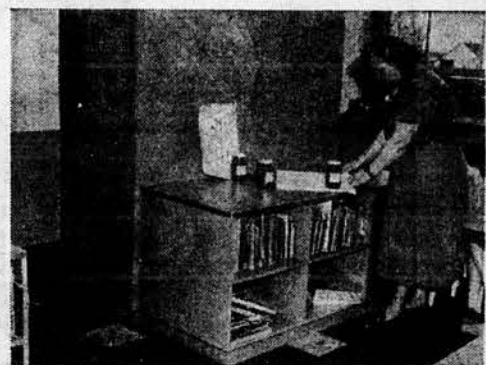
FIFTY-FIVE JOHNSON county rural students from 5 old schools now attend Consolidated District 103 school. It is the first major rural school consolidation in Johnson county.



PLENTY OF LIGHT and modern tables and desks feature new school. These busy girls, left to right, are: Margaret Zimmerman, Sharon Benton, Mary Ann Schlager (a visitor for the day), and Marcia Merideth Howell.



PRETTY SLICK. Jim Stone gets his wraps from one of the portable coat closets used in the school. These cabinets can be moved back against wall or out into hall if space is needed.



BOOKCASES double as worktables in new school building. Here Rosa Towner, principal of district 103, demonstrates how table top is used. Up right cabinet back of bookcase is portable coat closet.

Five Schools Get Together

Now it's easy to get excellent teachers, children are proud of their new building and up-to-date equipment, so are the parents!

WHEN 5 rural school districts get together on consolidation they ought to come up with a pretty good rural school setup. That seems to be what happened in the first major rural school consolidation in Johnson county: Five districts—Green Springs, Pleasant Ridge, Walnut Grove, Harmony and Oak Grove—consolidated in December, 1949, and now are known as Consolidated District 103.

This spring the consolidated school is completing its first year in the new building. You can see no time was lost by the new school board, once consolidation was made. Here is the record.

Bonds for the new school were voted February 28, [Continued on Page 21]

- End These Cattle Troubles Page 4
- Life in Early Kansas Page 10
- Here Comes the Bride Page 23

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TIRE . . .

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Help Sorghums With Sprays

THE old problem of a deficiency of available iron as a limiting factor in production of sorghums in Southwest Kansas may be on the way out. That is, if present experiments being conducted at the Garden City Branch Experiment Station continue to prove out.

Carl W. Carlson, assistant agronomist at the station, has been experimenting with sprays of ferrous sulphate (commonly known as copperous). Spots in the field showing signs of a deficiency of available iron have been sprayed up to 3 times, a week apart, starting 3 weeks after planting. Critical time for the sorghum plant seems to be 3 to 4 weeks after planting.

"Results the first year have been very promising," says Mr. Carlson. "We still have some problems to whip before releasing any recommendations. However, if results over a 3-year period continue as good as our first-year results, I think we have the thing whipped."

Test Soil Samples

In addition to his work on the iron-deficiency problem, Mr. Carlson has been supervising testing Southwest Kansas soil samples in the new testing laboratory at the station.

"Southwest Kansas soil problems are exactly opposite those of Eastern Kansas," says Mr. Carlson. "Where Eastern Kansas soils tend toward acidity the soils out here are alkaline. We ran from 500 to 600 farm samples thru the laboratory this past year and, on the average, they were slightly alkali," says Mr. Carlson.

Irrigation water also is being tested at the station for salt and sodium content, which greatly affects what water does to the soil. An excess of salt and sodium in irrigation water causes soil to "freeze up" so far as releasing plant food for plants is concerned.

Not enough controlled experiments have been run in Southwest Kansas to determine how various crops there will respond to fertilizers.

Seven series of alfalfa plots last year were used to test the response of alfalfa to phosphate. Results were not significant. Four series of plots using nitrogen and phosphorus on milo under irrigation were tried. Up to 100 pounds an acre of each fertilizer was used. Milo did show a definite response to nitrogen but little or no response from phosphorus. "We need many more experiments," says Mr. Carlson, "before we can make any recommendations."

Grass Silage Does Well

Dairy cows on the Lloyd Reed farm, Labette county, were doing fine with grass silage in their ration. Silage was made from red clover mostly, with a little oats straw mixed in with it. When the red clover silage ran out and into corn silage, his cattle seemed to eat more silage and dropped off in production noticeably.

Senator Capper on Radio

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

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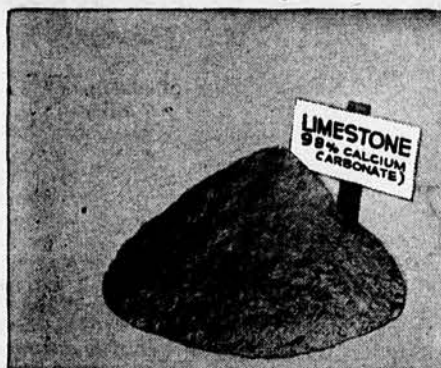
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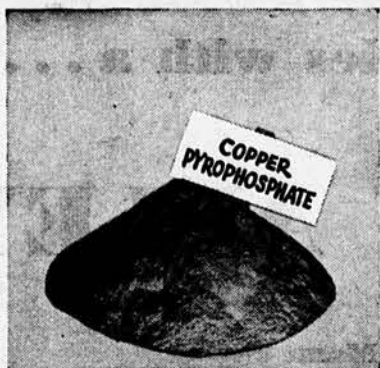
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LIMESTONE—supplies calcium, essential for strong teeth and bone formation.



COPPER PYROPHOSPHATE—supplies copper, plays an important part in the blood.



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BONE BLACK—supplies calcium and phosphorus needed by heart, nerves and muscles.



IRON OXIDE—furnishes iron to increase vitality—also gives color in the feed.



MANGANESE SULPHATE—supplies manganese, essential for growth and reproduction.

A straight talk about the value of Minerals

by Dr. Wallace P. Elmslie, Director of Research, Moorman Mfg. Co., Quincy, Ill.



(NOTE: Here Dr. W. P. Elmslie, who directs nutritional research at the world's largest mineral research laboratories and experiment farm, sets down some of his observations made during many thousands of experiments covering a period of over 20 years.)

... No mineral mixture, even the best, is a cure-all for all livestock troubles. ... Don't believe salesmen who tell you that minerals will prevent or cure such diseases as hog cholera, tuberculosis, mastitis or range paralysis. ... The bone-building minerals, calcium and phosphorus and Vitamin D, the sunshine vitamin, are naturally partners, like ham and eggs; they help each other but neither can completely replace the other.

... Minerals and vitamins are both essential for livestock, but some of them don't get along well together. Some vitamins may be destroyed by minerals unless they are properly protected.

... Some of the most pitiful animals I have ever seen are pigs on a mineral deficient ration—down, paralyzed in their hind quarters, squealing in pain when forced to move.

... Experiments at the Moorman Experiment Farm have shown that a good mineral mixture materially reduces the undigested corn in the droppings of steers.

... Iron is essential in blood-building, but a tiny amount of copper must be present in the feed to enable the iron to build blood hemoglobin.

... Trace minerals are mighty important, but we must not lose sight of the basic minerals, such as calcium, phosphorus, sodium, chlorine, etc., which are even more needed on most farms. Complete balanced mineral mixtures are the safest insurance against mineral deficiencies.

... The great increase, in recent years, in the use of vegetable proteins, such as soybean oil meal, makes close attention to the mineral portion of the ration imperative. Animal protein ingredients, such as meat scraps, supply much larger quantities of minerals than do the vegetable proteins.

... The correct balance of minerals is important. Too much calcium in a low phosphorus ration may be actually detrimental. The assimilation of phosphorus may be decreased by an excess of iron in the ration. Slipped tendons in growing birds may occur on rations high in calcium and phosphorus unless sufficient manganese is also included.

... In all the excitement about the newer trace minerals, cobalt, copper, manganese, etc., we are apt to forget the original trace mineral, iodine, the use of which has virtually wiped out goiter in young pigs, calves and lambs.

... A mineral mixture is only as good as the scientific knowledge and technical know-how which goes into its manufacture. Moormans have done more research in minerals than anyone else. We have found that no one combination of minerals is suitable for every class of livestock or method of feeding. The 18 mineral ingredients pictured on this page are used by Moorman's to make 12 separate, high quality complete feeds. Each feed has its own combination of ingredients—"tailor-made" for a specific type of livestock—or method of feeding. Moorman Mfg. Co., Dept. J1-5, Quincy, Illinois.

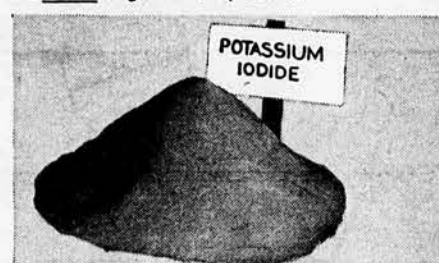
[FREE, IN WALL CHART FORM—Copies of this page, in color, 20" x 28", and with advertising matter deleted, are available for 4-H Clubs, Vo-Ag classes and adult study groups. Just write Moorman Mfg. Co., Quincy, Ill., for your copy.]



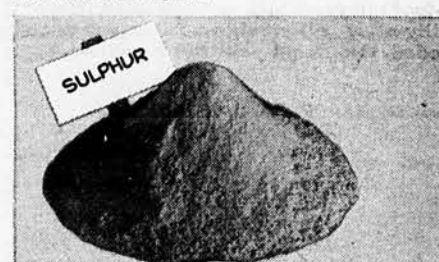
LIME PHOSPHATE—supplies calcium and phosphorus for building teeth and bones.



STEAMED BONE MEAL—supplies phosphorus and calcium for growth and reproduction.



POTASSIUM IODIDE—supplies iodine, necessary to help prevent goiter.



SULPHUR—aids digestion—present in horns, hoofs, nails, feathers, hair.



SULPHATE OF SODA—as a bowel regulator is a help in preventing constipation.



SODIUM BICARBONATE—serves as a digestive aid—helps in assimilation of feed.



CHARCOAL—an aid to digestion and in absorption of gases in digestive tract.



MAGNESIUM OXIDE—supplies magnesium, important for blood, bones and muscle.

End your sorting, spraying, holding, treating, loading, bruising troubles with a . . .

UTILITY ALLEY

By Dick Mann

IS IT TRUE too much of a livestock grower's time and profits are lost because most farms lack handling equipment? "Yes," says Ray L. Cuff, regional manager of the National Live Stock Loss Prevention Board, Kansas City.

"Most farmers handling livestock lose both time and profits," says Mr. Cuff, "because they lack the following:

"1. A convenient, strong, solid place to hold farm animals.

"2. A place in which animals can be quickly, easily and thoroly sprayed on both the top and underline.

"3. A place where animals can be quickly and easily sorted.

"4. A strong loading chute where animals can be loaded without undue bruising and crippling.

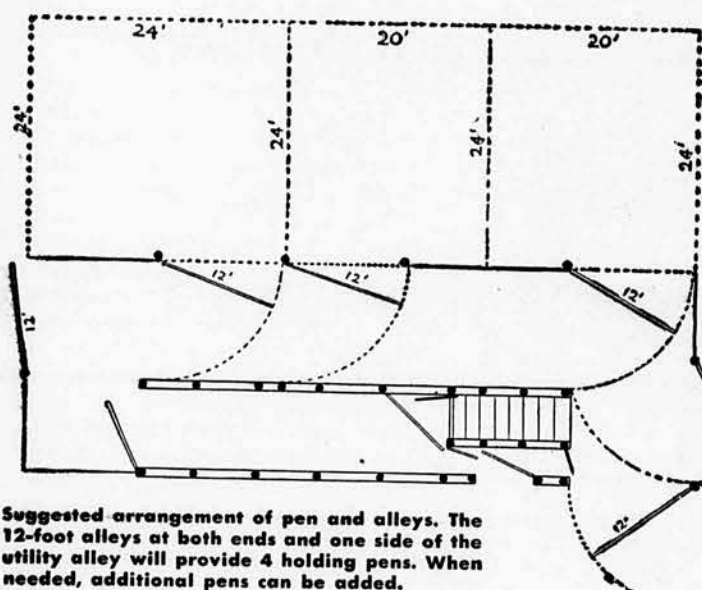
"5. A place where animals can be restrained for necessary treatment.

"Costs of constructing a utility alley in which farm animals can be sorted, held, sprayed, loaded and treated need not be too high," says Mr. Cuff. "Sides of the alley may be built of plank or poles. A side of a barn or shed may be used for one side of the alley. When this is done, the alley may be reduced from 8 feet

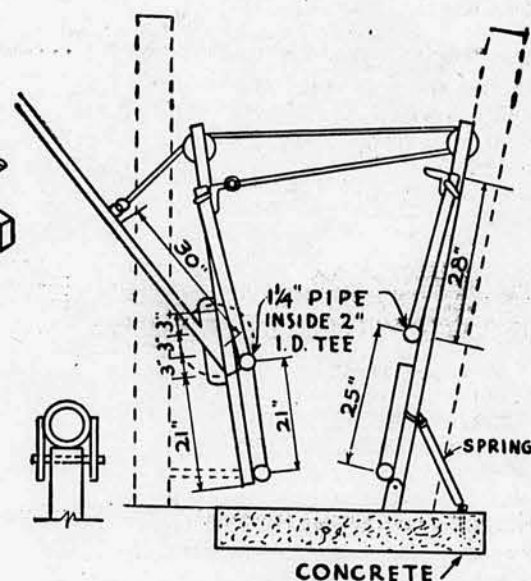
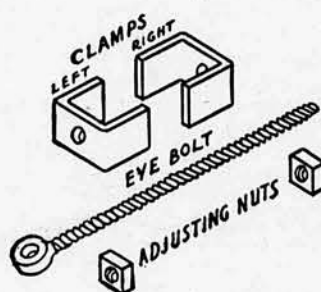
to 6 feet in width, as it is difficult to reach over and properly spray cattle from one side only of an alley more than 6 feet wide.

"Alleys will vary in length," says Mr. Cuff, "according to the number of cattle usually handled at any one time. An 8- by 30-foot spray alley will hold a carload of grown cattle crowded closely together to prevent run-off of topline spray material."

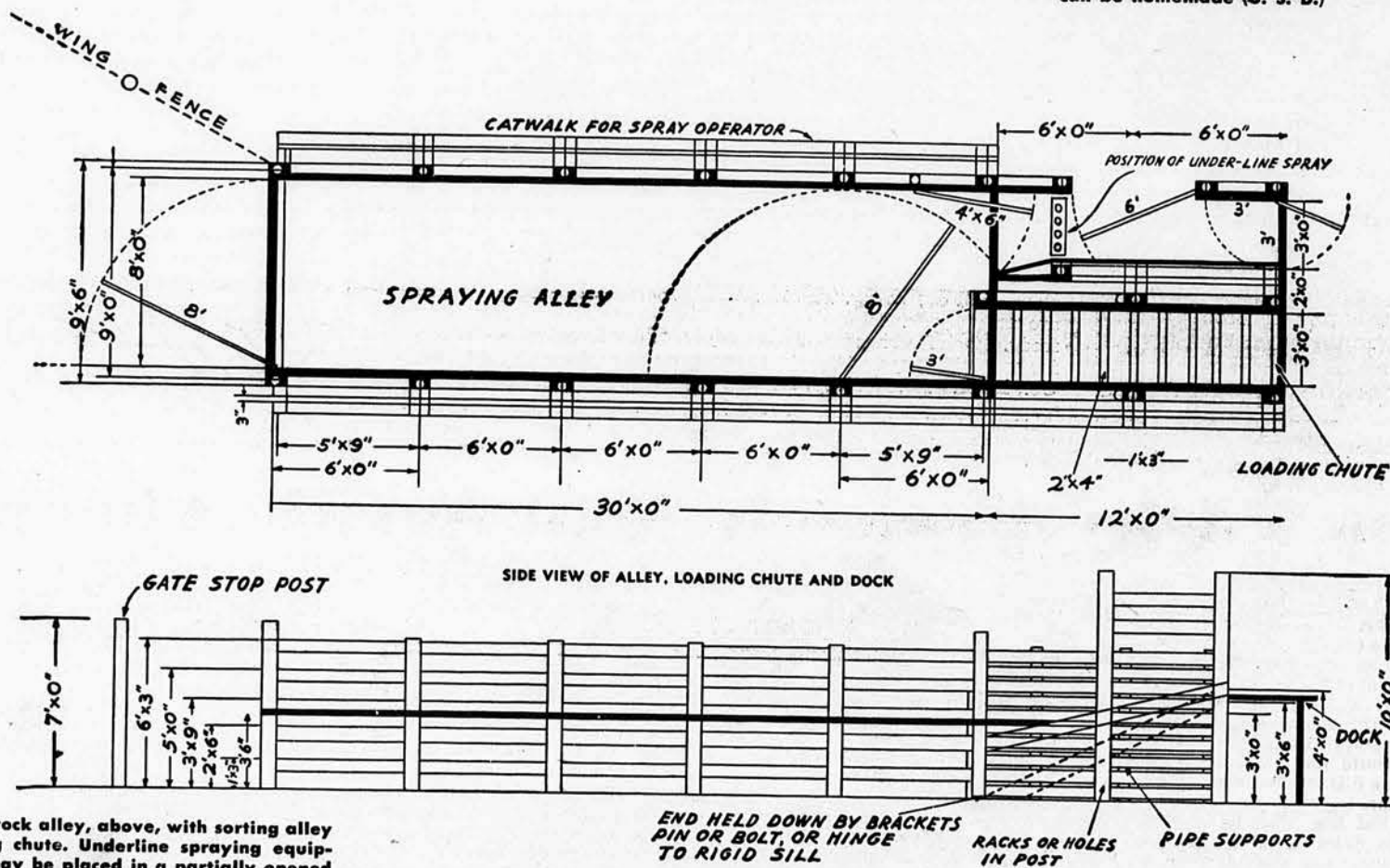
It is necessary to have catwalks on either side of the alley at least 3½ feet from the ground, Mr. Cuff explains, as the spray penetrates hair-coats best [Continued on Page 28]



This hinge can take the "sag" out of a gate.



Good cattle "squeezes" are now available or can be homemade (U. S. D.)



Utility livestock alley, above, with sorting alley and loading chute. Underline spraying equipment unit may be placed in a partially opened gate at end of alley. Place temporary post so gate opening will be 30 inches wide. Lower drawing shows side view of alley, loading chute and dock. (Drawings courtesy Ray L. Cuff.)

END HELD DOWN BY BRACKETS
PIN OR BOLT, OR HINGE
TO RIGID SILL

RACKS OR HOLES
IN POST

PIPE SUPPORTS

Farm Matters

AS I SEE THEM

I AM rather fearful the latest OPS orders rolling back prices on live cattle—in 3 “rolls”—will not accomplish what they seek to accomplish.

And if enforced effectively, the end result is likely to mean less beef for tables of American consumers. Four of the 5 orders issued last week would control the price of beef from the feed lot to the table—altho the OPS explanation states only from the packer to the dinner table. OPS seems to figure that when it controls the price packers must pay, cattle growers will not grasp the fact OPS also controls the price producers will receive.

The first rollback, scheduled to go into effect May 20, provides that the packer must pay, on the average, about 10 per cent less than the current price. There will be another rollback August 1 of about 4½ per cent, and the third one October 1, of another 4½ per cent.

First 10 per cent rollback is not for the benefit of the consumer, but for the packers, wholesalers and retailers handling beef. As the official OPS explanation puts it:

“The immediate 10 per cent reduction in prices which packers can pay for live animals will not have great effect on current retail prices. While some slight reductions may result, for the most part the effect of the first reduction on live cattle prices will be to restore operating margins to wholesalers and retailers, and thus to take them out of the ‘squeeze’ in which they have been caught since the OPS ‘freeze’ order of January 26.

“In August, however, a further reduction of livestock prices will lower retail prices by 4 to 5 cents a pound. And again in October the second scheduled reduction will lower retail prices by another 4 to 5 cents a pound.

“Thus by the fall of 1951 the housewife will be paying from 9 to 10 cents a pound less for beef than she is paying now.”

So by late fall, if the program works, cattle producers will be getting prices 20 per cent lower than they have been getting, and housewives will buy for 9 or 10 cents a pound less.

Other orders fix dollars-and-cents ceilings, by grades and cuts of beef, that wholesalers can charge their customers; and dollars-and-cents ceilings on what retailers can charge their customers. There is a special provision for kosher meat in another order.

The fifth regulation is preparatory to the rationing that it is felt may become necessary if beef and live cattle price controls cause a short production, following perhaps a rush to market ahead of the three successive lowering of cattle prices.

The OPS official announcement explanation: “It (fifth regulation) requires the keeping of current distribution records by packers and slaughterers in the event that allocations (rationing) of meats becomes necessary later on. It also provides that meats sold commercially shall be graded according to U. S. Department of Agriculture standards.”

There will be about 40 standard retail cuts of beef—different grades and cuts on display must be kept in separate trays and ceiling prices for each grade posted.

Judging from past experience, at home and abroad, the following might happen. If cattle prices are forced so low growers cannot afford even a “calculated risk” on growing and feeding animals, meat shortages could result. These shortages would call for rationing, perhaps even at the consumer level.

As the shortages of meat develop, or threaten, the government then will start payment of subsidies as an incentive in order to obtain the necessary production.

Britain has used both methods, and the Labor Socialist government there has kept the retail prices of foods down. But the meat ration has been reduced to something under a pound per week. In Britain, also, the government has been doing all the meat buying—with not too happy results.

Price fixing, subsidies, rationing, taken alone or in combination, are not the answer to the monetary inflation (cheaper and cheaper dollars) brought about by excessive government spending.

Are Farm Prices High?

I SYMPATHIZE with all who are finding the cost of living pretty steep, even burdensome. That includes virtually our whole population. To hear some folks talk, however, you would think farmers are primarily responsible for this state of affairs. It's the old story over again.

But if anyone decides to argue the point with you, I think I can give you some facts that will be pretty difficult to get around. I find these facts in a statement by the Secretary of Agriculture, issued to show where prices of farm commodities really stand in comparison to other prices.

Well, just how high are farm prices? The Secretary's statement recognizes the fact that prices received by farmers for many commodities have gone up in recent months. But just name something that hasn't advanced! Prices of most other raw and finished goods have gone up and the value of the dollar has gone down. The statement reports that since the outbreak of the Korean war, tin has gone up more than 138 per cent, aluminum more than 78 per cent, lead nearly 50 per cent, chemicals about 27 per cent, textiles 32 per cent. In the same period, prices received by farmers have advanced only 21 per cent.

In addition, prices received by farmers have still not reached their previous record level, while farmers' costs have gone up to new record heights as have wages, profits and personal incomes in other lines.

Now, it may not always be the consumer's fault when he blames the high cost of living on farmers. He looks at the price he pays for something and probably thinks it is so high farmers are bound to be rich. The facts are quite different. Let me quote

from the statement again: “Prices of many farm commodities have very little relationship to consumer prices. Several examples give this picture clearly:

“The cotton in a shirt now selling for \$3.50 to \$4 probably did not bring the farmer more than 30 cents.

“A 16-cent can of tomatoes represents about 3 cents of gross income to the farmer.

“The corn in a can retailing at 19 cents brought less than 2¾ cents to the producer.

“When milk leaves the farm, it immediately goes into a distribution and processing system that almost doubles its price in a few hours.

“The wheat in a loaf of bread that sells for 15 to 16 cents brings the farmer only about 2½ cents.”

I think these or similar points will put a new light on the subject for folks who accuse farmers of living in luxury at their expense.

Fortunately it is true farm income is higher than in years past, and it is a mighty good thing for the nation. It has enabled farmers to buy the modern equipment necessary to do the all-out job of food production demanded by wars and aid to other countries. Prices of other things have gone up because of short market supplies, but that isn't the case with food products. Most agricultural commodities are available in record or near-record amounts, according to the Department of Agriculture, so demand for them has increased according to the increase in consumer incomes.

No telling how high food prices would have gone if supplies had been seriously short. Starving people will pay most anything for something to eat. But the nation's farmers have kept us from experiencing that dreadful plight. They have met every new demand on them with increased production. This is the result of increased efficiency which is brought about primarily because of farm power machinery.

And that brings up one of the most important points in today's planning. Enough steel and other metals must be earmarked for farm machinery so every farmer will be able to get a tractor or new implement when needed. Power machinery on the farm is as essential as power arms on the battlefield. The important place agriculture holds in our every-day living and in plans for our defense must not be minimized.

I say all honor to agriculture. Our farmers have been and must be kept in position to meet all demands on them for food production.

Arthur Capper
Topeka.

Farm Parity Probably Will Not Be Changed

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

THERE appears little likelihood Congress will allow anything to be done to farm parity, or allow OPS to fix any farm price ceilings below parity, or to fix parity as of a certain date for price ceiling level.

A few days ago Senator Maybank, chairman of the Senate banking and currency committee, announced his committee would not make any such changes in the bill to extend price control legislation beyond June 30. Also, he warned that the committee might write into the extension a strong prohibition against any modification by the OPS.

Last week Secretary of Agriculture Charles Brannan, presumably speaking for the Administration, went before

the House committee on agriculture and “threw the book” at those who are blaming the farmer for high living costs.

“Directly and indirectly,” Brannan opened up, “various statements in recent months have tended to establish in the public mind the impression that food prices or prices received by farmers are the key symbols, and presumably the causes, of inflation.

“More particularly,” Brannan said, “these statements tend to create the impression farm returns are unreasonably high in relation to incomes of other groups.

“They also imply that the parity pricing standard for farm products chiefly is to blame for the rising costs of living.

“If we were to base our national efforts on these erroneous impressions, we would never accomplish the goal of stabilization.”

Most people, he pointed out, consider income in terms of wages, salaries, or interest on their investment. The farmer's income is the result of prices times volume of products, less operating costs. It really is a composite return to the farmer and his family for labor, management and capital investment.

“But that income also can be broken down in terms of wages and interest,” the Secretary continued. “This way the number of man-hours of labor required, and an estimated return or rate of interest on the farm investment in land, livestock and equipment. Divided that way, here's what it looks like: 69 cents an hour for labor, 5 per cent return on investment, 0 for management.

“That 69 cents an hour is less than the 75 cents per hour wage which has been fixed by law for most types of non-farm labor.

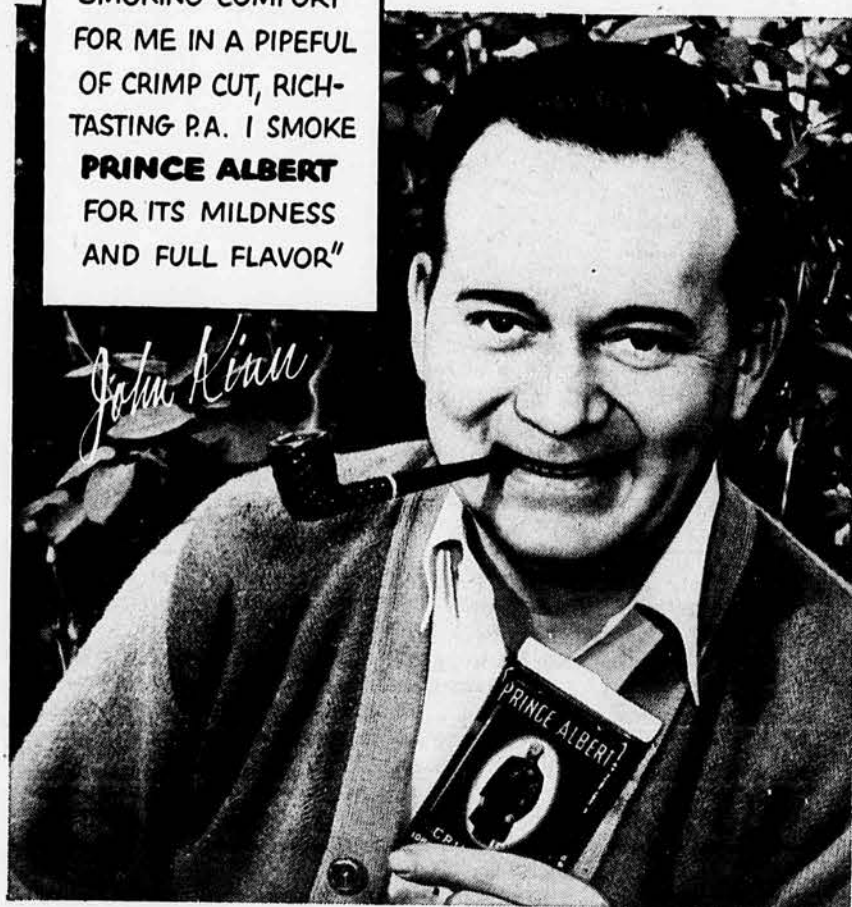
“The 5 per cent interest return is less than a third of the return corporations realized on their capital investment in 1950.

“Zero for the farmers' management. (Continued on Page 31)

*"For real pipe pleasure,
there's no other tobacco
like crimp cut
PRINCE ALBERT,"*

says John Kinn
NURSERYMAN

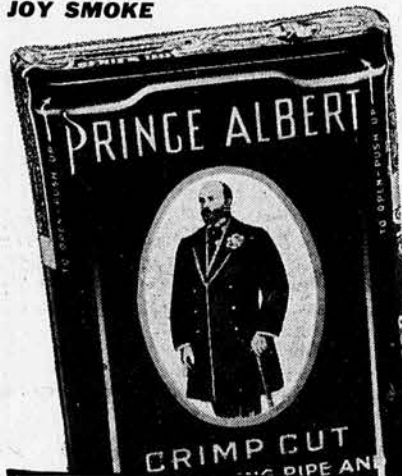
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Coming, Next Issue . . .

Like we told you, our traveling Frances R. Williams, farm woman writer, gives you in this issue her story about "The Black Hills Passion Play." Don't miss reading it. And if you head up northwest in July or August, perhaps you will see it, too, enjoy the same sincere inspiration.

Now, we can promise another travel treat for the May 19, 1951, issue of *Kansas Farmer*. In this next article Mrs. Williams tells about her visit to the home of one of the greatest horticulturists, the man who has done for Mid-west farmers what Luther Burbank did for the fruit growers of California. Watch for it in the May 19 issue.

No. 2 in a series of articles
on wheat diseases

Take-All Footrot

By **CLAUDE KING**, Extension Plant Pathologist
Kansas State College

TWO million dollars! That's the value of 999,000 bushels of wheat lost in Kansas in 1950 from take-all footrot disease. This loss is based on figures from county agents over the state. Also, this \$2-million loss is about the annual average loss for Kansas.

Take-all footrot disease occurs mostly in Central Kansas. It frequently is found in the eastern part of the state and very seldom in Western Kansas. The disease is not mainly a Kansas trouble, is common in some cereals and grasses in rather specific areas thruout the world.

Take-all is favored by cool, moist weather, and continuous cropping to susceptible crops. It frequently is found causing loss in wheat following breaking of sod or in fields which have been planted to wheat for many years. In some cases, loss in individual fields has been as high as 95 per cent.

The organism causing the disease is a fungus, *Ophiobolus Graminis* Sacc. It is soil-borne in rather direct association with straw and roots of the cereals and grasses. Undecomposed straw and roots are necessary for survival and parasitic activity of *O. Graminis*. Infection occurs from the active, thread-like mycelium in the crop residue penetrating the root, crown and stem tissues. Damage depends largely on the presence or absence of soil micro-organisms that suppress activity of the fungus. Organisms that are parasites on the fungus are one reason why a take-all spot may occur in a certain location in a field one year and not the following year.

Look Like Drowned Areas

In infested fields, take-all may occur on single plants with surrounding plants healthy, or it may occur on all plants in spots of various sizes and shapes. More frequently, the dead spots resemble drowned areas and more often are noticed when healthy wheat is in the green-head stage. However, they do not always occur where drowning would be possible, but may affect wheat on a slope or any place in the field. Plants usually do not lodge because there is little weight to the heads, due to chaffy grain. The disease may kill plants before heading but usually not. Under dry conditions symptoms are less conspicuous; plant tillering is reduced, plants are short, and few plants show the dead, bleached condition.

For more positive identification, a few plants should be pulled up. Diseased plants pull very easily because roots are rotted. By removing the leaf sheath and dirt from the stem immediately above the roots and rubbing the stem there, definite symptoms of take-all will be seen. These are dark brown or black specks, spots, or complete discoloration; when rubbed, the black or brown is shiny in the stem. These symptoms are rather positive identification of the disease. If the root system is dug out carefully and washed, it too, shows dark spots or complete discoloration.

Take-all can be told from insect damage such as Hessian fly, wheat straw worm, and wheat stem maggot by lack

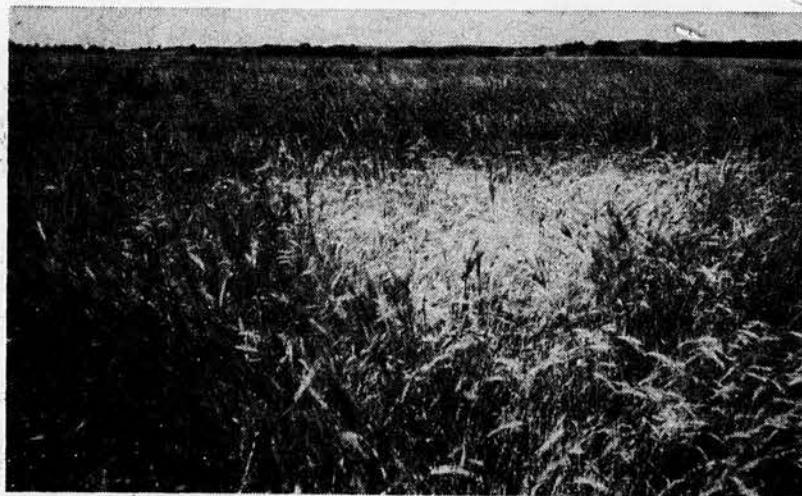
Right Time to Do It

In the Landscape Calendar there are 2 pages of timely and helpful suggestions for April and May on fertilizing, spraying, pruning, planting, care of lawns, care of roses, insect and plant disease control, and other suggestions for the lover of beautiful surroundings. For a free copy of this KSC Extension booklet, please address Farm Service Editor, *Kansas Farmer*, Topeka.

of evidence of the insect including its presence, feeding damage, or excrete. Also, take-all affects all stems of a plant while insects usually affect only part of the stems.

In controlling this disease, best procedure is to change to nonsusceptible crops on infested land. Only susceptible crops are wheat, barley and rye, and several wild grasses. Wheat is most susceptible of any. A change for one year, using summer fallow or a non-susceptible crop, is helpful but not reliable. Best procedure is to eliminate all susceptible crops from the land for 3 years before returning to wheat, which may be grown again successively for not more than 3 years.

Seed treatments are of no avail since take-all is not seed-borne. No variety has yet been found that is resistant. Applying phosphorus is helpful as are also barnyard manures and green manure.



TAKE-ALL FOOTROT disease frequently occurs in dead spots resembling drowned areas.

R-H ESTER WEED RHAP SAVES THE CROPS



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50 Million Broilers

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

JUST a few years ago virtually all persons connected with the poultry industry were saying broiler raising was only a temporary thing; that it was seasonal and a very unstable phase of the poultry industry to venture into.

No one paid much attention to broiler production and it wasn't until 1934 the U. S. Department of Agriculture even made an estimate of the number of broilers raised. During that year it was figured 34 million broilers were produced in the United States. This was a very small number compared to the number of chickens kept for eggs, and the number of birds marketed as a by-product of the egg industry.

Probably the most startling fact about the broiler industry is the phenomenal rate at which it has grown in recent years, and all indications are it will continue to expand.

It would scarcely be fair to say the industry has mushroomed. Despite the fact it has grown rapidly, it has made a healthy growth and from all appearances is now established on a very firm basis. From the 34 million broilers raised in 1934, the number increased to 143 million in 1940, and 345 million in 1945. It is estimated nearly 500 million broilers will be grown in 1951.

Provide Third of Meat

There is every reason to believe expansion will continue. Commercially raised broilers have become so important a part of poultry meat production they now provide more than one third of all chicken meat consumed.

There are several factors that contributed to the rise in demand for broilers. During the period broiler production has been so on the increase, there has been a decline in number of laying hens kept on farms. Reason for the decline is that during the last 20 years the average hen has increased her rate of egg production 44 per cent. This all adds up to the fact that poultrymen are now producing more eggs with fewer hens; hence more broilers are needed to supply poultry meat that once was supplied when more farm poultry was marketed.

Other factors that have helped the broiler industry have been an increase in consumer incomes, and the fact red meats have been none too plentiful. Better breeding, feeding, and management have now made it possible to produce high-quality broilers the year around and more efficiently, too.

Quicker Growth Now

Five years ago growers who produced 3-pound birds in 12 weeks on 4 to 5 pounds of feed per pound of gain felt they were doing a good job. Today some of the best growers are producing 5- and occasionally 6-pound birds in 12 weeks on 2½ to 3 pounds of feed per pound of gain. Today when the housewife wants fried chicken she can buy a fresh-dressed bird at most any meat counter, during any season, and at a price she can afford.

To produce the millions of broilers each year, it has been necessary for the hatchery industry to turn out a large volume of chicks each week in the year. This has meant a year-around business for hatcheries, hatchery flock owners, and feed dealers. This year-around business makes for a more efficient operation.

Cost of producing broilers will vary with the setup on the farm as to labor efficiency, growth rate, feed conversion, and price of feed. Under commercial broiler conditions, one man should care for 10,000 birds at one time. If broilers are sold at 10 to 12 weeks old, and 4 lots a year are raised, then a total of 40,000 birds a year may be produced by one man. In the Midwest, 3 lots a year are more common as the mid-summer months are frequently avoided. Average investment in buildings and equipment varies considerably. Growers raising broilers strictly from a business standpoint like to keep building and equipment costs to \$1 for each bird capacity, with \$1.50 as an absolute maximum.

There is one noticeable trait broiler people have. Once a farmer starts raising broilers, he usually becomes a broiler grower exclusively.

"The Face Is Familiar..."

Producers of fresh fruits and vegetables, like the producers of practically everything else, are being called on for increased supplies.

This same thing happened during the last war, and growers and distributors delivered the goods. As a result, the produce industry earned and has held a position of greater importance in the national food picture.

So two long-range objectives—financial soundness for the industry and improved service to consumers—were furthered.

It looks like the same thing is beginning to happen all over again.

Once again the produce industry is faced with the responsibility of improving its performance.

Once again the produce industry is offered the opportunity of improving its position.

This situation calls for practical application of the very same principles progressive groups have been emphasizing for years. These fundamental principles are not revolutionary, or even new. But they are essential to the successful completion of the job at hand:

1. The production of varieties most useful in meeting the nation's food needs.
2. Increased efficiency in every phase of production, grading and packing.
3. Constant efforts by growers and distributors to eliminate damage, waste and spoilage.
4. Constant efforts by growers and distributors to get produce to the consumer at the peak of its quality and freshness.
5. Constant efforts to improve the distribution process by shortening the route, reducing handling and speeding movement.
6. More effective advertising and promotion of produce to create more uses and greater demand.

In other words, the situation calls for constant, cooperative efforts involving every segment of the industry, and covering every step from the beginning of production to the consumer's market basket.

The "face" of this program is certainly familiar. But we of the Atlantic Commission Company sincerely believe such a program will best enable the produce industry to meet its new responsibilities and promote its future well-being.

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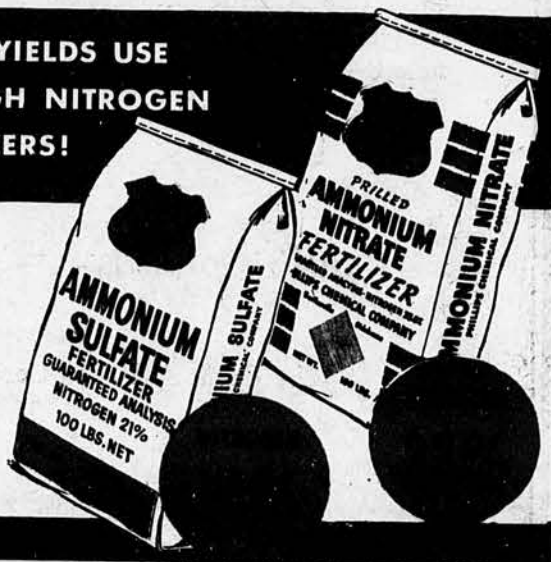
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Article No. 2

We Are Seeing America West and Northwest

By FRANCES R. WILLIAMS



Frances R. Williams

COUNTLESS cars we met on our travels in 1949 and 1950 carried on their front bumpers the placard, "Black Hills Passion Play." Those who had seen it were of one opinion, "It is the finest, most inspiring spectacle we have ever seen." Three times each week during July and August, the little city of Spearfish, S. D., population less than 5,000, is host to a great crowd who come for the express purpose of witnessing one of the finest outdoor productions ever staged in America. The producers have taken advantage of a natural amphitheater with perfect acoustics. Words spoken on the stage carry clearly to the top row of seats.

We got our seats early in the day, but even then the choicest had been sold. Long before time for the performance to begin, cars from every state in the union and a few Canadian provinces filled the parking space. We made our way down the hill to our seats and settled ourselves to watch the crowd. The woman at the ticket office had warned, "Take plenty of wraps and blankets. It gets very cold here at night." We looked around us. We saw tourists in tee shirts and denim jeans, tourists in shorts and slacks, colorful western attire, silks, fur coats and business clothes; a group of nuns, several priests and clergy; boy scouts in uniform, a school group. People spread blankets on the hard wooden benches or the more comfortable reserved seats, wrapped coats and blankets about themselves and waited—10,000 of them.

Different Under Lights

We had seen the stage by daylight, but when lights were turned on, there was an entirely different effect. The present stage was constructed in 1939. Size, form and arrangement of seats are in keeping with the architecture of 2,000 years ago. Altho some of the buildings are 50 feet high, they do not appear out of proportion nor dominate the stage which covers a length equal to 2½ city blocks.

At our feet lay the small city, skirted by a clear little river which flowed noisily over the rocks in its bed. In the distance, Lookout Mountain formed an appropriate backdrop, bathed in the rosy glow of the setting sun. When darkness fell, the sonorous tones of the organ rolled out and the multitude sitting on the hillside became silent. As a spotlight was turned on the center stage, a solitary figure in gleaming white robes, as in the manner of the Man of Galilee, began the prologue:

"Oh, ye children of God,
Ye, who live and breathe in His infinite love,
Open your hearts and receive with childlike confidence, His great message."

For more than 2½ hours, 10,000 people listened silently and reverently to events of Christ's last week on earth. So perfect was the interpretation of the "Christus" by Josef Meier, "Mary" by Clare Hume Meier and others in the cast, one had the feeling of being pres-

ent at the actual happening of the historical event. Not only were the roles portrayed with finesse, but the costumes were rich and colorful, lighting effects and staging beautiful and realistic. Size of the stage makes possible the use of horses, camels, donkeys and flocks of sheep. The agony of the crucifixion and the glory of the resurrection were played with skill seldom achieved by actors.

When the performance was over, the vast crowd gathered up their blankets and moved up the hill to their waiting cars. People spoke in low tones, if at all. We had witnessed the Black Hills Passion Play.

This, oldest of all, known as the Luenen Passion Play, was presented as early as 1242 by monks of the Cappenberg monastery. It was the earliest of the Christian dramas, 400 years older than the famous Oberammergau play. It was presented annually during Holy week; monks playing the roles; dialogue was given in Latin. During the 17th century, the production was moved outside; dialogue was changed to German and players selected from ranks of the common people. It became a matter of pride to be selected for a part in the portrayal and to pass on to one's offspring the main parts in the play. As the children were trained in the roles, the play grew in beauty and effectiveness.

Sent Play to America

When Hitler came into power in Germany, the people of Luenen, fearful for the fate of their beloved play, sent it to America in keeping of Josef Meier, who had been brought up to portray the Christus. Presented to an American audience first in 1932, the play was not a financial success, and was kept going by the greatest of effort on the part of Meier and the cast. The great difficulty was to learn and present the speaking parts in English. In 1936, the woman playing the part of Mary became ill and had to be replaced by an American actress, Clare Hume. A year later, she became Mrs. Josef Meier and still plays the part of Mary.

In 1938, Meier became an American citizen and vowed he would make his play a permanent institution in American life. That same year, the play was brought to Spearfish as a summer tourist attraction. The townspeople filled roles of the 200 extras. Now the surrounding towns of the area take turns in providing bus loads of people to fill the roles for mob scenes.

On tour in winter, the Meier company presents the play in 50 towns and cities, but with coming of spring the cast returns to Spearfish. Josef Meier has established his home in the outskirts of the little city, just below the great stage and the Garden of Gethsemane. He takes an active part in the life of the community. The play is now an outstanding financial success.

It would seem that the dream of Josef Meier has been fulfilled. He has made a shrine of Christianity in the Black Hills to complement the Shrine of Democracy, the Mount Rushmore Memorial.

Marking Coffee Makers

I made 1-cup marks on the bottom bowl of glass and metal vacuum coffee makers with bright red nail polish. This saves time by not having to measure the water each time.—Mrs. L. W. T.

Homes for Birds

For boys and girls interested in making birdhouses of various types, we can recommend the Fish and Wildlife Service booklet, "Homes for Birds." This 24-page booklet has many drawings and illustrations to interest the reader. The Farm Service Editor, Kansas Farmer, Topeka, will be glad to receive your order and give it prompt attention. The charge for the booklet is 10c.

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This Was Life In Early Kansas

By LELA BARNES

You will recall in the 2 previous installments of this series about "Life in Early Kansas," that the Lovejoys came to Kansas in 1855 from New England to aid in the anti-slavery cause.

In the years from 1857 to 1860, Julia Lovejoy and her Methodist missionary husband, Charles, journeyed to several towns in Eastern Kansas to take part in church affairs. Julia jotted down her impressions of their work, the country and the people for New England publications. Here they are, edited by Mrs. Barnes of the staff of the Kansas State Historical Society.

IN THE summer of 1857, Julia and her small son Irving, now about 2 years old, left their Palmyra home for a short tour of the Oskaloosa circuit with Charles Lovejoy. The mission included Oskaloosa, Ozawie, Easton and Fairfield (now extinct), with an indefinite number of appointments on various creeks that intersected the region. Following the custom of travelers in recording their experiences and impressions, Julia sent "jottings" to an Eastern editor to give New England readers some idea of life in Kansas.

The family traveled in a strangely constructed vehicle consisting of "an elastic board laid horizontally from one axle to the other with a low seat midway." On leaving Lawrence, they forded the Kaw river and water ran over the top of their "carriage" saturating all passengers and the carpet bag holding their clothing. But Julia passed this off as a somewhat pleasant experience since the weather was extremely hot and dry. They then followed a road across the Delaware reservation where for 20 miles there was "nothing to interrupt the solitariness of the weary traveler."

A Crowded Room

It was necessary to leave the road to reach the home of a settler where they could remain for the night. They were offered hospitality at a small cabin but Julia wrote their eyes were "held waking" during the entire night. "In the room we occupied," she wrote, "there were 5 beds and 12 or 14 occupants, and within 2 feet of our bed lay a man recovering from a severe case of small pox, and our babe had never been vaccinated, neither had we for many years; but there was no alternative; to retrace our steps was out of the question; to go forward in the darkness of the hour was impracticable; still, we should have preferred sitting in the open carriage all night. The next morning we were up and off for Oskaloosa which in Western parlance we found to be a 'right smart heap of a place.'"

Proceeding the following day, they lost the road in a violent storm. "At a late hour," wrote Julia, "we brought up at a shanty in the woods where we

were cordially received and provided with a comfortable bed. Soon the rain came down and streamed through the roof and onto our bed, and after it had poured into our upturned faces long enough to satisfy us, we changed position and took the foot of the bed and had a chance for a nice, cool bath for our feet. . . . And ever and anon, we were disturbed by some living thing gliding along and rattling the newspapers with which the walls were papered."

Next day, Charles met an appointment for preaching and Julia wrote that the large attendance, fixed attention and hearty responses more than compensated for the discomforts of their journey. "There is such an affectionate, whole-souled heartiness about these Westerners that one cannot help feeling at home among them."

Reminded of New England

Leavenworth was the next stop and she noted with delight the ornamental shade trees and the architecture of many dwellings that reminded her of New England. Their intention to stop at Crooked Creek was abandoned after they had lunched over miles of rough, almost impassable terrain in a futile search for a stopping place. They pushed on to Easton but Julia found little to praise in this Proslavery community where Free State settlers had suffered the loss of life and property.

A stop was made next day for a quarterly meeting in a grove of trees. This was an occasion of much satisfaction to the Lovejoys, because of the outpouring of religious feeling and because their little son was here baptized with several other children. "The grand old woods," wrote Julia, "rang with singing and praying. . . . It would do your city preachers good, cooped up as they are, from Sabbath to Sabbath between dingy walls of brick, to feel the exhilarating prairie breeze and attend one of these soul-enlivening meetings that are considered such a great occasion by our good Western brethren."

Julia concluded her report on the tour of the mission district with a description of Western hospitality for

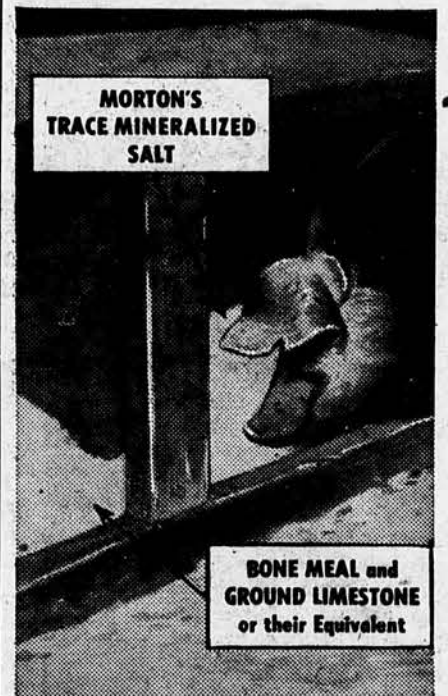
(Continued on Page 11)

GRANDMA . . . By Charles Kuhn



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In one side of a divided mineral box put a mixture of bone meal and ground limestone or their equivalents. In the other side put Morton's Trace Mineralized Salt. Recommended by leading animal nutritionists, this simple, common-sense plan provides all the minerals livestock need. It supplies the minerals needed in quantity—calcium, phosphorus and salt. Through the salt, it also supplies the trace minerals—iron, copper, cobalt, manganese, iodine and zinc—so necessary for healthy, thrifty, fast gaining, big-producing animals.

This plan will pay you handsomely. You'll save money. You'll make greater profits from your livestock. Ask your dealer for Morton's Trace Mineralized Salt by name. It's like a low-cost insurance policy costing only a few cents more per animal per year. Feed it free choice.

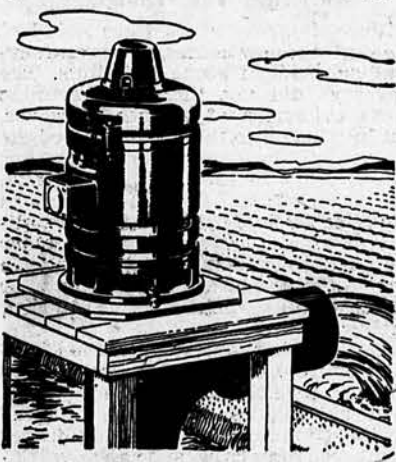


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the benefit of New England preachers' wives: "You rein your steed in front of a log cabin with one, sometimes two rooms, and out runs the father, followed by some half dozen white-haired youngsters, and without ceremony seizes your hand: 'I am mighty glad to see you. I reckon as how there will be heaps of people to hear the sermon tomorrow. We have had heaps of dry weather, so we have had to pack all our water from yon ravine, and crops, I allow, will be powerful light.' You begin to scare away the pigs and chickens and prepare to scale the fence that almost invariably surrounds these domicils, and by actual count we usually found them five or six rails high and if, like ourselves you are addicted to corpulency, it may be a matter of calculation how you will succeed in your attempt to land on the other side. Then commences an onslaught on the chickens, for the preacher has come and he must feed on the best that can be furnished."

Julia's conclusion, at tour's end, was that despite all difficulties, there was much of missionary life in Kansas to enjoy.

In May of the following year, 1858, the Lovejoys took another tour, this time to the mouth of the Big Blue, and Julia reported to Eastern readers the "rapid progression" of the Territory.

The first community beyond Lawrence to claim her attention was Le-

New Bulletins

Kansas Alfalfa, Circular M-51
Sweet Clover in Kansas, Circular M-49

These are recent bulletins from Extension Service, of Kansas State College, which we can recommend to our readers. Anyone interested in these subjects may order a free copy of each from Farm Service Editor, Kansas Farmer, Topeka. Each contains authentic, up-to-date information. We can give your order prompt attention.

compton, hidden from view except for the stone church of the M. E. Church South, standing on an elevation, and a few other buildings. Big Springs she found too destitute of trees and shrubbery to suit her taste, but Tecumseh, she felt, must be the "prettiest place in Kansas." The houses were spread over a broad area, interspersed with groves; and she noted the use of the octagonal design in building. (Julia doubtless refers to the stone, octagonal house built by Edward Hoogland of New York.)

Of Topeka she wrote: "This, too, is a beautiful town, the site surpassing Lawrence, though not so large. We thought there were 200 houses, many of them brick and stone, and some very large, imposing structures for various purposes. The Methodists and Congregationalists have each a stone church going up that will be ornaments to the place."

At Topeka the Lovejoys crossed the Kaw on a bridge, a circumstance reported as evidence of the Yankee spirit at work in Kansas. (The bridge was opened for travel on May 1, 1858, but was swept away by a flood the following July.)

A short distance beyond the bridge, on the government road from Fort Leavenworth to Fort Riley, they reached the town of Indianola, then enjoying a measure of prosperity. (Indianola was laid out in 1854, but was soon overshadowed by Topeka and is now an extinct location.)

Julia viewed with mixed feelings the Pottawatomie lands through which

(Continued on Page 12)

Good Windbreaks

A pamphlet giving illustrated information on windbreaks suitable for Kansas has just been published by the Extension Service of Kansas State College. Many farmers will be interested in seeing this brief yet informative leaflet on the subject. It suggests spacing and number of rows, site preparation, location, care of planting and has other information. A free copy of this pamphlet will be sent upon request to Bulletin Service, Kansas Farmer, Topeka. Please ask for "Windbreaks for Kansas."

MORE RAIN--WHY NOT?



C. S. (Chuck) Barnes (right), president of Precipitation Control Co., and Sandy Brown, pilot, loading a 20-lb. charge of a newly-developed warm cloud-seeding device mounted on wing tips. Vapors of this unit are 300 times more effective in building raindrops in clouds than the natural nuclei present in the upper atmosphere.

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This new technique, good for a 3½ hour flight of actual cloud-seeding, is now being used successfully over the western Kern County, Calif., dust bowl area, and Southeastern Texas, where 90% of the clouds never reach temperatures low enough for silver iodide to be effective.

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Early Kansas

(Continued from Page 11)

they now traveled. "Vast bottom lands, as level as the floor of a house, waving with tall grass, and here and there herds of swine, fat cattle and horses that roam at large, owned by the Indians; now a log house neatly white-washed, a corn patch of a few acres fenced in and hundreds, yes thousands, of acres of heavy timber stretch all along through the Kansas valley. Thousands of acres of as rich land and choice timber as the sun ever shone upon, owned by the Indians. O how many times we wish that poor working men in the East, who need farms, or poor Methodist preachers could have the doors thrown open to them here in this paradise."

Hurried to Their Daughter

Many improvements were noted at Manhattan: new homes, hotels and several substantial stone buildings. The Lovejoys did not linger to examine these evidences of growth, however, but hurried on to the great bend of the Blue and to the home of their daughter, Juliette, who in 1856, at the age of 17, had married Dr. Samuel Whitehorn (Juliette Avenue in Manhattan, a well-known residential street in the older section of town, was named for Juliette Lovejoy Whitehorn.) Here they saw for the first time their small grandson, Arthur.

At the spring conference of the Methodist church, Charles was assigned to Sumner, a settlement on the Missouri river about 20 miles above Leavenworth. (Sumner, now extinct, is remembered mainly because an advertising lithograph of the town, considerably more imaginative than factual, lured John James Ingalls to Kansas.)

By June, 1858, the Lovejoys were at the new station and Charles was building a dwelling for his family. Julia wrote of Sumner: "There are about 200 good houses, hotels, stores, mills, etc., and it bids fair to outstrip Lawrence at no distant day. Two schools are in constant operation and there are physicians, a drug store, drygoods and groceries, carriage shops and a printing office. The town is built on a succession of bluffs that stretch back from the river and many of the houses are perched on dizzy heights above the murky waters of the 'mad Missouri' on whose dark bosom are borne steamboats of mammoth dimensions engaged in extensive inland commerce. . . . The citizens are quiet and orderly; almost every family in the place is from dear New England."

The Lovejoys' home was on a tree-covered bluff overlooking the river, and Julia named it Sylvan Cottage. Here she found the greatest happiness she had known in Kansas. "We are now at home for the first time—in feeling we mean."

Saw Big Events

The Lovejoys remained only 2 years at Sumner. The period was marked by such varied happenings as the rush to the gold mines of the Pike's Peak region; the completion of the Hannibal and St. Joseph railroad to the latter point (and Julia considered with delight the possibility of soon traveling all the way to New Hampshire 'by the cars'); the last activities of John Brown in Kansas; and writing of the Wyandotte constitution. Julia sent accounts of these matters to her Eastern editors.

An event of importance to Charles and Julia, and reported at length, was the great camp meeting at Palmyra early in September, 1858, attended by more than 1,000 persons. Despite the prevalence of ague—"in almost every tent some one was shaking terribly"—it was a memorable occasion and Julia wrote: "For 30 years we attended camp meetings in New England but seldom have we heard better preaching. . . . The church was greatly refreshed at this meeting."

In March of 1860 Charles was assigned to Olathe, but there was "faint prospect of support for his family" since only about a dozen Methodists lived in the circuit. So Julia and Irving returned to Palmyra and Charles labored 25 miles away from his family.

Note: Another installment in this series will appear in an early issue of Kansas Farmer.—Editor.

Prevents Cut Thumb

Sliced fingers can be prevented when paring vegetables if adhesive tape is placed on thumb before starting the job.—Mrs. T.



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Mobil Farm Lubrication

More Wheat Articles Coming . . .

How important is wheat to you? *Kansas Farmer* gave you a "blow by blow" account of the 1951 wheat battle, page 31, April 21, 1951, issue. But other troubles can catch up with wheat, too.

For that reason, *Kansas Farmer* is bringing you a special series of articles on wheat diseases, written by Claude King, Extension Plant Pathologist, Kansas State College. In the April 21 issue he told about Mosaic. In this issue he tells about Take-All Footrot. How important is it? Well, it cost wheat growers in Kansas 2 million dollars in 1950. Look up the article in this issue. And there will be another one for you soon. You no doubt will want to keep them for future reference.

Answers to Your Flower Questions

By FRANK PAYNE

MANY questions came to me asking why house plants do not bloom in winter. Most questions are about *Geraniums*, *Christmas Cactus* and *Amaryllis* not blooming when bloom is wanted most. What is the cause?

The answer to most of these questions is that *the plants are taking a much needed rest!* Plants and animals sometimes seem to me a lot smarter than humans. Why? Simply because they take a rest ever so often, and they simply will not work for anyone when they are in their rest period. Even trees do the same thing. They shed their leaves, the sap goes back into their roots and doesn't come out again until springtime when their rest period is ended.

Let us suppose your geranium plant is outdoors and has bloomed nicely all summer and fall. You take it up before killing frost comes, put it in a large pot or bucket, water and keep it growing just as much as you can. Now right there you make a mistake because you are trying to force it to bloom when it should be resting. You should allow that geranium plant to rest during November, December and January, giving it only a very little water.

If you want winter bloom on Geraniums you should make new cuttings in late spring. Keep all buds pinched off before they bloom out and until you bring them into the house in early fall. Then only water lightly every 10 days because overwatering in winter is the cause of many failures. Do not hurry to repot geraniums because they prefer to be slightly pot bound at the roots. Give them all the sunshine you can, in a south window is best. A south window in a kitchen is a mighty good place. Seems like the humidity in a kitchen is to their liking. Most living rooms are too dry.

Bloom All Winter

Here at my home we solve the winter flower problem by using potted begonias for our living room as we have south windows. They bloom all winter but rest in summer, and then is when we make new plants with cuttings for next winter's flowers. Begonias can stand the dry, warm living rooms and still give plenty of bloom so they are old dependables with us. Try some next winter.

Christmas Cactus is another flower that causes a lot of questions and often complaints. But really, folks, they are as easily grown as any house plant and are very generous with beautiful blooms. Of course, sometimes they do not bloom right on Christmas Day. But for us they are always in bloom in time for my wife's birthday, January 9, and that makes her feel real proud, indeed. By the way "*Christmas Cactus*" is only a common name. It happens to be a cactus, but has several names such as "*Crab Cactus*" but the botanical name is "*Zygocactus Truncatus*." Now don't

ask me how to pronounce it, I just say Christmas cactus and let it go at that.

Their culture is quite simple and easy, too. Keep plants outdoors all summer from late spring until last of September by placing the pot in a partial shady place. Water only lightly, say once a week. We keep ours on a south porch but not in the full sunshine. When brought indoors in early fall, place in a south window with plenty of sunshine. When buds start to form water very little or buds will blast and fall off. We fertilize our plants about once a month. It sure peps the plants up and keeps the foliage bright and green.

After your cactus blooms, say from late January to April, give very little water as they are then taking a much needed rest. Christmas cactus came from south part of Brazil in South America. They are increased from cuttings same as any house plant.

Why Don't They Bloom?

Next question so many folks ask is *Why don't my amaryllis bloom?* Well, there are only a few things one must do to grow them into bloom. Plant new bulbs from December until March. Keep them in a temperature of 60 to 70 degrees with just enough water to keep soil moist, but not soggy wet. Buds as a rule come out first before leaves, provided you do not try to crowd them too much. Liquid manure or a complete fertilizer worked into the soil is all the plant food they will need.

Be sure the bulb is only half covered by soil in a pot only slightly larger than the bulb. Make sure your old bulbs are rested in fall and early winter months. When they are starting to bloom you can give them plenty of water so as to encourage all the growth possible when they have foliage growth. Put pots in a shady spot in the ground during summer. Bring into house the last of August. Don't water then but let leaves die down so the bulb can take a 4 months rest. So you see, that isn't so hard to do, now is it?

When to Cut Tops

Next question that bothers a lot of flower growers is *When must I cut tops from my tulips, narcissus or hyacinths?* They, of course, want to save their bulbs for another year, but seem to want to cut tops off as soon as the flowers quit blooming. That would be a fatal mistake. Leaves must be left on until they turn brown and start to dry up. You see, leaves of any plant are its lungs—if you destroy or cut off those leaves when they are nice and green, you are sure to harm the bulbs so much they will either rot or will not store up enough strength to produce any bloom next year. Let that foliage stay on to develop strong bulbs and buds for next year's bloom.

Tulips, Narcissus and Hyacinths are all good for many years in the same location if planted deep enough and the foliage is left on to develop the bulbs and buds each year.

Now, here is a question I really did enjoy answering. Question: How can I encourage hummingbirds to come and fly around my garden flowers?

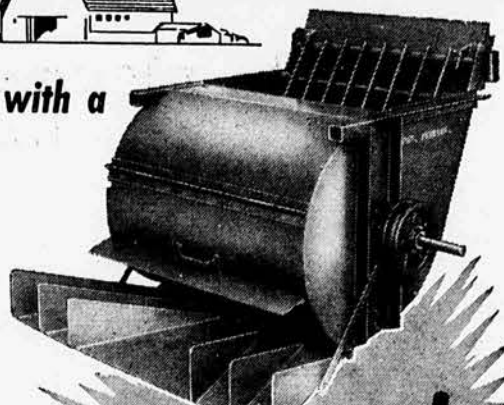
Answer: You can do that easily by planting plenty of *Salvia* (Scarlet Sage is the common name) of a bright red color. Seems like hummingbirds love bright red flowers (most men do too) and will certainly sip nectar from the bloom of Scarlet Sage. I think birds are special friends of flower growers and should be encouraged to increase and enjoy life.

YOUR LAND IS YOUR FUTURE!



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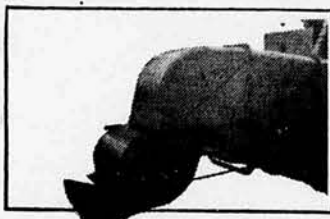
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Permanent Water System

"Safe Water for the Farm," is the title of a 46-page USDA bulletin with illustrations, which will answer many questions for folks contemplating installation of a permanent water system. *Kansas Farmer's Bulletin Service* can send you a copy of the bulletin without delay. Please include 3c with your request.

MAY 5 1951

MAY 5 1951



LLOYD BURLINGHAM'S

SKELLY FARM NEWS

GO AHEAD AND PRODUCE!

Roll out the food; the more, the better. No one will hold you back. No federal agency will gum up your production program. No acreage restrictions, no marketing allotments. How great our food needs may prove to be no one knows. Certain it is there's a place for all you will harvest.

There will be no 1951 surpluses. Goals set include such production targets as $3\frac{1}{2}$ to 4 billion bushels of corn, $1\frac{1}{4}$ billion of wheat and a pig crop of 100 million. Altogether the governmental hope is the biggest production order ever given agriculture.

In farming, our chief pride is in output per man. Improved seed, productive soils and our high degree of mechanization can make this a year of tremendous food totals.

Our job is food. In all our history, farm people have never let the nation down. They will not now. Despite handicaps, you will turn out the goods. No one holds you back in 1951.

Get set for "Safer Miles, Extra Smiles"

Get your car all set for safe, carefree summer motoring... with the 1951 SKELLY CAR REFRESHER SERVICE... at your favorite SKELLY SERVICE STATION.

It's far more than an ordinary "spring change-over"... gives your engine fresh SKELLY SUPREME motor oil... SKELLY GREASE-MASTER CHASSIS LUBRICATION... fresh SKELLY LUBRICANTS for both transmission and differential... and a complete COOLING SYSTEM fresh-up. Get it today at the sign of SKELLY SERVICE!

SKELLYLAND'S Favorite Recipes

RHUBARB CRUNCH

Submitted by: MRS. BEATRICE FLISTER
Route #2, Berlin, Wisconsin

2 cups diced fresh rhubarb $\frac{3}{4}$ cup white sugar
6 tablespoons flour $\frac{1}{4}$ cup brown sugar
 $\frac{1}{4}$ cup rolled oats $\frac{1}{4}$ cup butter

Arrange diced rhubarb in greased baking dish. Mix other ingredients until crumbly. Sprinkle the mixture over the rhubarb. Bake in slow oven, 300 degrees, about 40 minutes. Serve warm or cold with cream. Whipped cream or vanilla ice cream may be used.

Keep 'em Rolling with Skelly Farm Lubricants!

Now is the time to check up on the condition of all your farm equipment. Nip those minor mechanical defects before they become expensive major repair jobs.

And remember, our finest lubrication is the least costly in the long run. Order your Skelly Tagolene Long-Life Greases and Fortified Tagolene Heavy Duty Oil now!



See or call your Skelly Farm Serviceman today!

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Just a few of Nicholson's fine registered bulls.



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Modern Rancher a great booster for SKELLY Products

You're looking at G. E. Nicholson, surrounded by several of his fine registered horses, at the Nicholsons' 1,320-acre ranch, six miles east of Tulsa, Oklahoma.

Mr. Nicholson raises registered quarter-horses and Hereford cattle. At present, there are 30 horses and 350 Herefords at the ranch.

Although Mr. Nicholson and his 21-year-old son, Paul, are residents of Tulsa, they have devoted much of

their lives to the ranch, caring for the horses and cattle. Last March, Paul entered the Army Air Force.

A 100% user of Skelly products, Mr. Nicholson calls them the finest made. Photo shows Truman Dotson, Skelly Farm Service Man, whom Mr. Nicholson praises for his prompt deliveries and many extra helpful services.



KEEP UP WITH THE NEWS! Listen to Burlingham and Dreier

To get a clear understanding of farm and world news as it affects your life, listen to Lloyd Burlingham every Saturday morning. Monday through Friday, hear Alex Dreier's stimulating interpretations of the news. 7:00 A.M. over your local NBC station.

Your Skellyman Says:



"This summer, we've got to produce food like never before. Don't let corn borers, boll weevils, grasshoppers and other pests sabotage your crop production!

See me for the most effective farm insecticides and for 2,4-D compounds that give you complete control of the weed problem. Order your SKELLY Farm Chemicals—now!"

HINTS for House and Garden

- Try this for baked-on stains in your range oven: set shallow dish of ammonia in closed oven overnight. Stains will soften and remove easily.
- Crash! To pick up small pieces and splinters of broken glass, pat them gently with a dampened pad of absorbent cotton.
- To remove paint splashes from windows and mirrors, wash with turpentine, ammonia or hot vinegar. Do not use a razor blade because it may scratch the glass.
- Baby's old shoestrings make excellent replacement ties for baby's bibs. Merely stitch ends securely to edges of bibs.
- When baking sweet potatoes, place a piece of brown paper in the bottom of the pan. Sweet potatoes won't stick to pan—clean-up will be much easier.

Your Favorite RECIPE or Household HINT May Be Worth \$5 to You!

Share your best recipe or household hint with all the folks in Skellyland! If we publish your recipe or hint, we'll pay you \$5. Recipes or hints not returnable, so please keep a copy for your own files. Mail to Skelly Oil Company, Dept. KF-551, Kansas City, Mo.

Don't Forget Sweet Spuds!

By WILLIAM C. AMSTEIN,
Kansas State College

SWEET POTATOES are a very satisfactory home garden crop and should be more widely planted. Too few Kansas farm families include them in their plans or make too small plantings or little use of them where they are included.

Part of the problem may be due to the way we find them used in our meal planning. Many homemakers consider sweet potatoes as another vegetable and use them the same as beans, peas, tomatoes or sweet corn rather than considering them for their value as a potato. More often than is the practice, they could take the place of Irish potatoes in the well-planned meal.

The Kansas home-grown Irish potato crop some years is a problem both in quantity and quality. Most of us have trouble storing Irish potatoes in good condition after early February. Sweet potato plantings made even as late as July 1 will give useful yields most years, but made in middle of May or before June 1 will yield even better.

I find many folks think of varieties of sweet potatoes in terms of the Porto Rico type or refer to the so-called yam. Most any other variety does better in Kansas in the matter of yield than Porto Rico. Also, these other varieties or strains have a useful quality. We do not need to emphasize the Porto Rico variety in our plantings.

These Do Well

In most eastern and central Kansas counties, Nancy Hall and Little Stem Jersey types both can be grown successfully. In sandy soils in sections west of this area, especially along rivers, these same varieties do well.

On heavier soils and in the western counties, Red Bermuda is more commonly grown. Red Bermuda is used principally because of its ability to grow and yield under a wide variety of moisture and soil conditions.

Strains or types that are especially well-adapted in eastern and central Kansas counties for general use were developed primarily from selections of Nancy Hall and Little Stem Jersey made at Kansas State College by Dr. O. H. Elmer, botany department.

From Nancy Hall, a series of selections has been made. One of the finest and highest orange flesh colored ones in this group is called Nancy Gold. This selection is as fine a sweet potato as one could ask, and when sliced to be eaten raw gives an unusually attractive product that often could not be distinguished from raw sliced carrots as a salad dish. It is a higher yielder than Nancy Hall. Red Nancy, a light red skin attractive selection, is another Nancy Hall type with deep intense flesh color.

Several selections with good, deep inside colored flesh have been obtained from the Little Stem Jersey variety. Orange Little Stem has a superior flesh color and a general attractiveness that makes it sell itself when customers observe this quality, or after it is prepared and placed on the table.

Orliss is another useful Little Stem Jersey selection. This selection has a reddish bronze skin color while Orange Little Stem has brownish bronze.

In tests conducted in eastern states Orliss has done extra well. New Jersey growers are using it commercially and have renamed their selection Jersey Orange.

A red skin mutation or selection from Orange Little Stem known as Rols is coming into wider use. In addition to the red skin color the flesh color is similar to that of the Orange Little Stem. Rols has unusual yielding and storage ability.

The Oklahoma Agricultural Experiment Station also has developed some excellent strains of the Little Stem Jersey type. One of their outstanding selections has been named Allgold.

Be sure to include some sweet potatoes in your 1951 planting plans. If possible, plant one of these improved selections with better flesh color. Not only do they look better, yield better but they taste better and have much more food value. Much more could be done in a commercial way with sweet potatoes in Kansas. The work done by Rollie Clemence, of Abilene, in grading, washing and marketing has been outstanding.

PROTECT YOUR ORCHARD with **Miller's ONE-PAK**

A Combined FUNGICIDE and INSECTICIDE.

Complete instructions with each container. See your dealer!

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CHEMICALS FOR THE FARM

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ROTARY CULTIVATOR

Starts Crops Faster

Cultivate in hours instead of days. Cross-cut action triples soil disturbance. Boosts yields—won't harm crops. Proven on 1/2 million acres.

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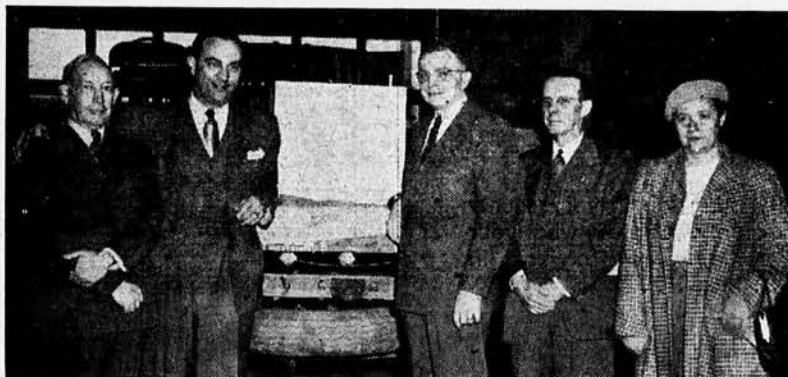
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The RED HOIST that has made history

Start New 4-H Building For McPherson County Youth



CORNERSTONE of new McPherson County 4-H building is shown here with persons taking part in unveiling ceremony. From left are L. C. Williams, director of Extension, Kansas State College; Governor Edward F. Arn; Senator L. H. Ruppenthal, McPherson, who introduced the governor; County Agent Elgin R. Button and Ida Hildibrand, home demonstration agent.

CONSTRUCTION is underway for a new 4-H Club building in McPherson county. When completed this 60- by 120-foot brick and tile building set on about 12 acres of ground will provide a place for the many county-wide activities and meetings for farm youth of that county. The building will be in McPherson.

Due to inclement weather, the cornerstone laying ceremony planned for Saturday, April 21, turned into a cornerstone unveiling. The meeting was driven indoors by cold rain. Unveiling the cornerstone was Gov. Edward F. Arn. Attending the ceremony were about 200 4-H boys and girls, club leaders and parents. Inscription on the cornerstone reads: "McPherson County 4-H Building, 1951."

First funds toward construction of

this building were collected 5 years ago. In 1946 a special tax levy was voted for that purpose. Another \$20,000 were collected thru a special contributions campaign in 1948 and 1949. Canvassed were nearly all towns and rural communities in the county.

Community Co-operation

It became possible to start construction of the building this year because of emergency funds made available by the 1951 session of the state legislature. However, funds were not sufficient to let the building for contract. Instead it is being built by the county commissioners with a local contractor hired to supervise construction. Another case where a difficult hurdle was cleared because of co-operation between rural and urban citizens.

Happy Mother's Day!

By CHARLES H. LERRIGO, M. D.

MOTHER'S DAY always is in May. Of course, that will be one day when Mother will be Queen of the May. Someone will get dinner for her, and the idea that she may put her hands into dishwater will be set sternly aside—for at least 24 hours. There is great merit in the sentiment that prompts America to give recognition to mothers and the spirit carries on thruout the year. Already the mother's lot is an easier one. She has a life expectancy of 71 years instead of dying at average age of 45 years, as a few generations ago. She may vote, own property, hold office, and enjoy many privileges quite beyond the wildest aspirations of our foremothers.

We are glad of the assurance that in putting a premium upon motherhood we hold in check the alarming decline in our state and national birth rate which, a decade ago, progressed so far in some communities that only 2 babies were born where formerly were 3. Speaking on this subject a noted public health authority said recently: "At present the facts show that even in order to maintain a stationary level of population each married woman should have at least 3 children. Since perhaps one marriage in six is sterile, this means in many families there should be 4 or 5 children."

Physicians who have given much thought to this problem of the declining birth rate look back upon the large families of the preceding centuries (families of 12 to 14 children, half of whom died before maturity)

and think our efforts to correct that evil have led to "over correction." The term "large family" we now apply to 4 or 5 children which, instead of being large, might well be an average family.

Despite higher cost of living large families are desirable. We are in position to say much of encouragement and praise for the modern mother. The physical process of motherhood is infinitely easier in late years. I prefer not to use the term "painless childbirth," for it is always a misnomer. My own experience with mothers is they neither ask nor expect to pass thru this tremendous experience in dull stupor. Yet any intelligent woman aided by an intelligent physician may now be assured she will bear her baby without suffering the dreary agony of years gone by.

Babies should be planned. Their advent should be planned as to time. Financial details should be planned—there is no "trade-in" allowance on babies. The physician should be most carefully chosen and consulted at the first symptom of pregnancy so he may advise for a healthy and happy waiting period. Planned babies will make happy mothers for future Mother's Days.

Notebook Saves Time

Before hanging new curtains, I measure the length and width of them and record in my household notebook. This saves measuring soiled curtains each time before laundering.—Mrs. Clark Watkins.

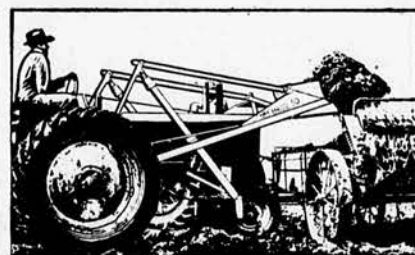
One in This Issue, Another Soon

Dear Editor: I have been reading articles in *Kansas Farmer* about "Early Days in Kansas" and I surely do enjoy them. I am saving them and putting them in a scrapbook . . .

My parents came to Kansas in 1869 and 1870 so, of course, I'm interested in events that took place in the early years.

I hope you can continue this in your paper as I look for something of this sort in every issue I see or get. So please do print all you can of them in the future.—Etta Fuller, Ames, Kan.

Note: Thank you Miss Fuller and all others who have written how much they enjoy articles by Lela Barnes. You will find another one in this issue. Happy to tell you another one will be along soon.—The Editor.



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the BIG LIFT in your farm work!

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saves MONEY

HORN-DRAULIC
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HORN-DRAULIC
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10 ATTACHMENTS FOR YEAR 'ROUND OPERATION!

Horn-Draulic Loaders are designed for simple installation and operation. No cumbersome superstructures to obstruct the view. 3 models for over 100 different tractors. Increase the operating value of your tractor and eliminate "MANPOWER SHORTAGES" with HORN-DRAULIC. THE LOADER YOU CAN DEPEND ON!

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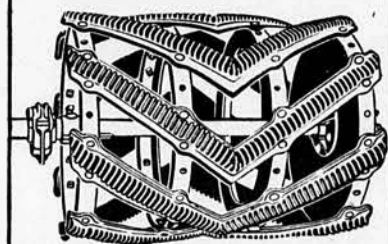
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THE GOOD YOU DO lives on and on

That is doubly true when it refers to a donation to The Capper Foundation for Crippled Children, Topeka, Kansas.

INCREASE YOUR COMBINE CAPACITY with HESSTON V-BARS



Now is the time to replace your obsolete spike tooth or straight bars with profitable V-bars.

You can cut more acres per day and save more grain per acre. Only Hesston V-Bars give you less straw chopping, easier separation, smoother operation, no slugging, even feeding and lower fuel use.

MAIL TODAY

Hesston Mfg. Co., 260, King St., Hesston, Kans.

Send information on the following equipment (check which): ☐ Receding Finger Platform Auger ☐ V-Bars for Combine Cyl-inder ☐ Straw Spreader ☐ Combine Un-loading Auger ☐ Cylinder Adjustment

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TOWN _____

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I OWN A _____ MAKE COMBINE _____



Test your soil now

There is a soil testing lab in your county . . . or nearby county. Find out what your soil needs to profitably grow any crop in any season . . . then . . .

Feed your soil now

You can put fertilizer in your soil any time of the year. Get it NOW. Don't wait until you're busy at planting time and then can't get the grades your soil needs. With fertilizer supplies as short as they are . . . NOW is the time to store fertilizer . . . right in your soil. It pays.

Buy the BONUS* soil and plant food

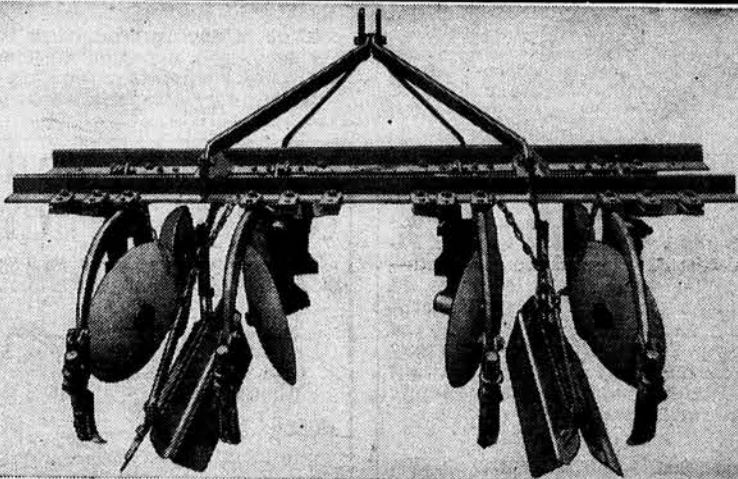
*It contains CALCIUM, SULPHUR and OTHER nutrients—besides the guaranteed amounts of Nitrogen, Phosphate and Potash.

BEM BRAND Fertilizer

THURSTON CHEMICAL CO.
KANSAS, MISSOURI, ILLINOIS, OREGON, KANSAS

SEND FOR FREE FERTILIZER HANDBOOK
THURSTON CHEMICAL COMPANY — LAWRENCE, KAN.

Cultivate Your Crops Faster, Easier with Continental "GO-DEVIL"



NEW Continental "BELL WHEEL" Listed Row Crop Cultivator

Here's the modern version of the old horse drawn "2-Row," so popular a few years back.

With CONTINENTAL'S "GO-DEVIL," you get all the advantages of a pull-type implement plus the advantage of being able to raise and carry it when necessary. Bell-wheels allow implement to follow contour of ground. Bell Wheel Control insures accurate cultivation at desired distance from plant. Disc blades and steel tooth-point shovels give thorough preparation for cultivation. Forged cultivator shanks are designed for use with many different types of shovels.

Simple Three Point Linkage allows fast, easy attachment to Ford, Ferguson or to other tractors using suitable linkage adapters.

Write for complete information right away! Dealer Inquiries Invited!

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4301 No. 27th St., Omaha, Nebr.

Declare Weevil War In Every Kansas County



PRAEGER COUNCILS with his generals on weevil war. Left to right: Cliff Skiver, director, Kansas Wheat Improvement Association; Dr. R. T. Cotton, U. S. Bureau of Entomology; Norman Whitehair, Extension Division, Kansas State College; Herman Praeger, President, Kansas Farm Bureau, and L. L. Longsdorf, Information Director, Kansas State College.

IT CAN'T happen in Kansas! This was the expression Herman Praeger used when informed one pair of grain weevil can have 2 million offspring in 5 months. So Mr. Praeger, chairman of the Kansas Wheat Quality Council, called his stragelists together, for he knew damage to stored grain in the state runs as high as 8 million dollars a year. "Why, gentlemen, this is a loss of labor and soil fertility Kansans cannot afford in peacetime let alone in days of defense."

So the council organized a campaign on control of stored grain insects both on farms and country elevators. They will begin by urging good housekeeping around farm premises, because infestation comes from the farm premises after grain has been brought in from the field.

This good housekeeping consists of emptying and cleaning up bins and premises 3 to 4 weeks before putting new grain in. In addition, the nearby surfaces should be sprayed with one of the new residual sprays. This kills the adults that come out and walk around in the DDT, Chlordane or Pyrenone spray solution used. The bin wall should be saturated with the solution. A gallon will cover 750 to 1,000 square feet depending on how smooth surface is.

In addition to saving grain, control of the big worm of the Cadelle saves wooden structures, for it often weakens bin walls so they have to be re-

placed. Second phase of the program will be fumigating grain after it is in bins, say August or early September.

A series of demonstration meetings to show farmers and elevator men short cuts in clean up and spray methods will be held by Norm Whitehair and Del Gates of the Extension Division of Kansas State College. Dates and places are as follows: Concordia, May 14; Hunter, May 15; Dodge City, May 16; Hutchinson, May 17; Iola, May 21; Topeka, May 22.

Power equipment adapted to use of custom operators and line elevator managers will be carried along in a truck provided by International Harvester Company. Demonstrations of its use will be made at each school.

To show how to best build away from rats, and how to use the new poisons made of Warfarin, Carl Regnier, of Oklahoma Wild Life of Department of Interior, will assist.

"It is just as important to save a crop of wheat once it is produced as it is to grow it," said Mr. Praeger. "In addition we'd like to have the raw material (wheat) we sell as clean as we want the food (bread) we buy. They simply can't make clean flour out of dirty wheat, because most of the weevil are on the inside of the kernel." Efforts of the council are devoted to preventing high losses from shrinkage in weight, and also to keep Kansas wheat competitive with that from other markets.

Coming Events

May 6—Seward county, 4-H Sunday. County picnic after attending church in body.

May 6—Ayrshire breeders and visitors attending national sale at Hutchinson will make tour to Manhattan, to visit KSC, then Ayrshire farms in Northeast Kansas.

May 7—Osborne county, landscaping meeting with Charles Parks, KSC Extension specialist.

May 7—Graham county, waterway shaping demonstration.

May 7-9—Barton county, training school, home management leaders, with Gladys Myers, KSC specialist.

May 9—Scott county, northwest district program planning, Sharon Springs.

May 9-10—Lamb and Wool school, St. Joseph, Mo.

May 9—Ellis county, landscaping school.

May 10—Phillips county, landscaping meeting, Phillipsburg.

May 10-11—American Feed Manufacturers' Association annual convention, Chicago, Stevens Hotel.

May 11—Rooks county, farm visits on landscaping with Charles Parks.

May 11—Ottawa county home demonstration unit tea, Tescott.

May 10-11—Miami county unit lessons on training the child to become a better citizen.

May 12—Johnson county, tri-county judging school, with Bass Powell.

May 14—Johnson county home demonstration unit tea, Olathe.

May 14—Mitchell county, home demonstration unit leader training, clothing and textile, with Naomi Johnson, KSC specialist.

May 14—Graham county, dairy production and buildings tour.

May 15—Rush county, soil and water conservation tour.

May 15—Ellsworth county, landscape leader training school.

May 15—Sedgwick county, horticulture meeting with W. G. Amstein, KSC specialist.

May 15—Jewell county, home demonstration unit leaders training school.

May 15—Kingman county, farm management meeting, Hutchinson.

May 16—Allen county, farm management meeting.

May 15-16—Barton county, sewing machine clinic training school.

May 16—Shawnee county, poultry brooding field trip, with M. A. Seaton, KSC specialist.

May 16—Pottawatomie county, crops and waterway tour, with L. E. Willoughby and Harold Ramsour, KSC specialists.

May 16—Harvey county meeting on farm forestry with Paul Collins, KSC specialist.

May 16—Mitchell county, home demonstration unit leader training, with Charles Parks, KSC landscape gardening specialist.

May 16-20—Sixth national conference on citizenship, Washington, D. C. Five hundred national civic, educational and youth groups to be represented.

May 17—Harvey county meeting on small fruits and vegetables, with W. G. Amstein, KSC Extension horticulturist.

May 17—Shawnee county, crops and livestock tour, with L. E. Willoughby, M. B. Powell and Harold Ramsour, KSC specialists.

May 17—Barton county crops tour, with L. E. Willoughby and Harold Harper, KSC specialists.

May 17—Miami county crops and soils tour.

May 17—Cloud county, landscaping school with Charles Parks, KSC specialist, Concordia.

May 18—Ottawa county, landscape meeting, Minneapolis, Farm Bureau basement, 10 a. m.

Tour in afternoon, Charles Parks, KSC specialist, leader.

May 18—Washington county, training meeting for unit clothing project leaders on "Making a Dress," with Naomi Johnson, KSC Extension specialist.

May 18—Wabaunsee county crops and soil conservation school.

May 19—Cloud county, 4-H livestock judging school, Minneapolis.

May 19—Barton county 4-H Club secretary training school.

May 19—Finney county, dairy field day, Garden City Experiment station.

May 21—Johnson county, 4-H foods leader training meeting, with Elizabeth Randle, KSC specialist, Olathe.

May 21—Graham county, district 4-H livestock judging school, Schoen Ranch.

May 21—Rush county, dairy production and equipment school, with Ralph Bonewitz and Leo Wendling, KSC Extension specialists.

May 21—Jefferson county, crops and soils tour, Oskaloosa.

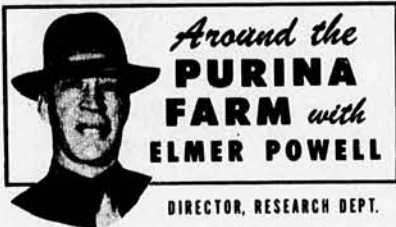
May 21—Barton county, 4-H council meeting.

May 21—Kloma county spring crops tour, with Frank Bieberly, R. C. Lind and Walter Selby, KSC specialists.

May 22—Butler county soil and crops tour.

PURINA CHECKERBOARD NEWS

FROM YOUR PURINA DEALER



Around the
**PURINA
FARM with**
ELMER POWELL

DIRECTOR, RESEARCH DEPT.

We are now in full swing with our "every other month" hog farrowing plan. Of course, this is contrary to the ordinary spring and fall farrowing that we recommend, but by getting litters every 2 months we can do a lot better experimental job at the Farm.

* * *

Incidentally, at our fur-bearing animal unit we've been doing work with chinchillas for several years. Did you know that a female chinchilla gives "birth" to "babies"? She usually has two litters a year, one or two babies per litter.

* * *

We've had some very good chick starting results that I would like to tell you about. Last December we started 1,000 straight-run New Hamp chicks that we hatched at the Farm. One pen (200) of these chicks averaged 1.66 lbs. at 6 weeks and had a livability of 99.5 percent. Livability for the 1000 birds was 99 percent with an average weight of 1.58 lbs. at 6 weeks.

* * *

Our work with turkey broilers is continuing. A group of 12 week old Bronze turkeys were New York dressed for grading recently. They showed very good fleshing and finishing. I'll have a full report on this later.

* * *

It's a little late to report this, but you might be interested to know that sub-zero weather did not discourage folks from Missouri and Iowa who visited the Farm January 29.

582 visitors made a tour of the Farm while the thermometer dipped to 8 degrees below zero. That day the Farm kitchen served over 1200 cups of coffee.

* * *

Join me in our next issue of Checkerboard News for more doings at the Farm. I hope to have an interesting story for you about an old cow that just wouldn't give up.

FOR THE LATEST NEWS and FARM FEATURES
listen to these



CHECKERBOARD RADIO PROGRAMS

WIBW, Topeka — Wes Seyler with Noon Markets,
Mon. thru Sat., 12:20 p.m.
Wes Seyler "Sunday Farm Forum," Sun., 8:00 a.m.
KFH, Wichita — Bruce Behymer, Mon. thru Sat., 6:15 a.m.
KMBC, Kansas City — Ken Parsons' Farm Feature,
Mon. thru Sat., 6:10 a.m.
KFBI, Wichita — Eddy Arnold, Mon. thru Fri., 6:55 a.m.



At left is Mrs. Sam Haskins (Dorothy) and daughter, Judy, gathering up the eggs. Mrs. Glenn Haskins (Virginia) is shown at right with one of the heavy laying Haskins' partnership hens.



Living and Working Together...Johnson County Families Do Both Successfully

THE ABILITY to live and work together in peace and harmony is an American tradition. On a farm near Olathe, Kansas, live two families of Haskins; two brothers, Glenn and Sam, their wives, Virginia and Dorothy, and five children. Rich, rolling acres of Kansas land, snug homes and tight buildings are the tools of this happy farming partnership. The men manage the livestock and farming; their wives, Virginia and Dorothy, work with the poultry.

Let's talk about how the Haskins ladies handle their laying hens. In January, 1950, Virginia and Dorothy started 778 sexed pullet chicks composed of three strains of a popular hybrid breed. They started them early, because they want early eggs in the summer and fall seasons. As soon as the pullets were old enough and the weather moderated, they went out to range on oats pasture. Then in June, when they were 5 months old, they were housed.

During the starting and growing periods, the Haskins' pullets were fed Purina Startena Checker-Etts and Growena Checker-Etts, both complete rations. Loss during the starting period was very low.

"A month after we housed them," said Dorothy, "they were laying

about 50% production. Their highest production to date (October '50) has been 75%, but they've been holding a little better than 70% for some time.

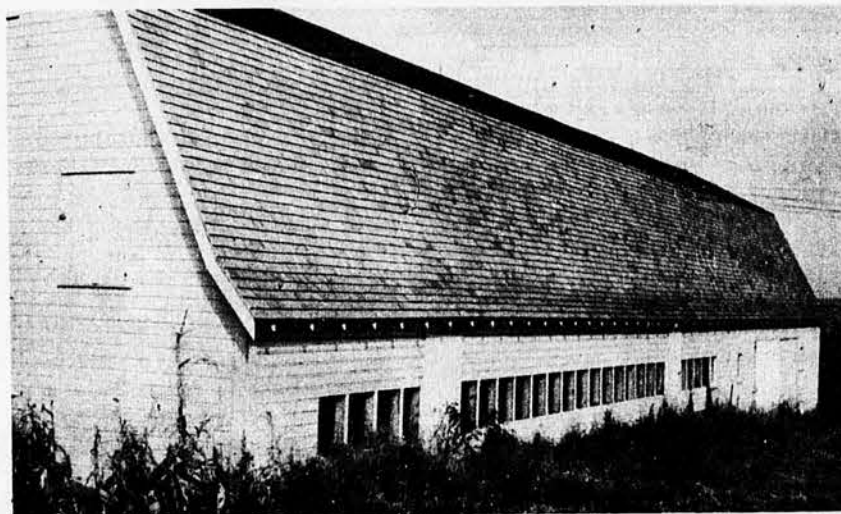
"The money our chickens make for us goes back into the farm," said Dorothy. "You might be interested in knowing that the barn was remodeled to make it suitable for layers. Of course, the men took care of that work."

Dorothy Haskins continued, "We use built-up straw litter and never have any trouble with dampness. Electric water warmers are

used during the winter, so that the hens have all the water they need. Then, too, Purina Egg Chow and grain make up the laying ration. We feed it free choice."

It's pretty apparent the Haskins like the Purina Program and Purina Chows. Virginia, Mrs. Glenn Haskins, sums it up this way, "Honestly, we can't compare Purina with anything else. You see, we've never fed anything but Purina."

It's nice to know satisfied, successful folks like the Haskins of Olathe, Kansas.



Here's the barn remodeled by the Haskins brothers to help their wives do a better job with their laying hens.

PURINA CHECKER



"Sure, Heifers Can Be Good Milkers"

Young dairymen cooperating with Elevator Co. kept records and have proof it pays to grow heifers right.

Robert Hinsdale of Sand Creek, Michigan, is a young dairyman, just getting started. But Bob has learned one lesson many older men have never learned: "Well-grown heifers can freshen when 2 years old, then can produce from 8,000 to 12,000 lbs. of milk in their first lactation." Bob thumbed through his D.H.I.A. record book to prove his point. "Here's Tubby. She produced 8,305 lbs. of milk. Kassey produced 10,173 lbs., Cook 12,752 lbs., B. B. 8,872 lbs., Red, Jr., 8,542 lbs., Leone 10,461 lbs., and Connie 12,132 lbs."

Early in 1947 Purina Salesman Harold W. Schneider started a new type of dairy-improvement plan. Basic factor in the plan was to carefully select a group of progressive young dairymen and to organize them into Dairy Clubs.

Club members were to agree to do the following things:

1. Weigh the milk morning and night twice a month and keep accurate records.
2. Keep receipts for all feed bought.
3. Keep sales slips for milk sold.
4. Put the herd on a phase of the Purina Program.

Bob Hinsdale is a member of one of these Dairy Clubs. A few poor-producing cows in his herd were quickly spotted and culled. Primary results however came from a better program of management and feeding of cows while dry, and through a program of properly growing heifers.

A healthy spirit of competition to see whose heifers would produce best in their first lactation has given ample proof that heifers can be good milkers. Records are taken to Dairy Club meetings and are discussed among the members. At a recent meeting, in addition to

the Hinsdale records, the following were discussed:

K. Hoisington of Fowlerville had 3 heifers that had completed their first lactation. Heifer No. 5 had produced 9,572 lbs. of milk, No. 12 had produced 9,727 lbs. and No. 15 had given 9,123 lbs.

Dick Platt of Tipton had 4 heifers giving 11,635 lbs., 11,672 lbs., 9,310 lbs. and 10,863 lbs.

C. Emmons of Sand Creek had 4 heifers. Daisy had produced 10,175 lbs., Burke 9,873 lbs., Ruby 8,884 lbs. and Bell 9,167 lbs.

Clarence Emerson of Sand Creek had records on 6 heifers. Susan had produced 9,018 lbs., Pumpkin 10,007 lbs., Lassie 9,794 lbs., Bonnie 11,889 lbs., and Pride 10,871 lbs.

Glen Hoisington of Fowlerville had 3 heifers. One gave 9,214 lbs. of milk with 350 lbs. of fat, another 13,593 lbs. of milk with 482.8 lbs. of fat, and the third 10,452 lbs. of milk carrying 339 lbs. of fat.

Get the Best from Every Cow



by E. B. "TINY" PRATT
Manager, Purina Dairy Chows

Ever figure how much more milk you'd have for sale if every cow in the herd always did her best?

Thousands of smart dairymen have adopted a program that they say is bringing them lots of extra profit. Here is what they do:

1. They select a competent veterinarian and follow his advice.
2. Watch every cow and treat her individually. The minute a cow goes off feed switch her to Bulky Las. Keep her on straight Bulky Las until her appetite is good.
3. In cases of impaction or digestive upsets remove the grain ration and feed Bulky Las instead. Continue feeding Bulky Las until the cause of the upset disappears.
4. Whenever a cow flares up with "mastitis," they isolate the cow. If it seems serious they call the Vet. They remove her grain ration immediately and give her Bulky Las. After the fever subsides and the milk becomes normal, they go back to the regular ration.

Because Bulky Las is highly palatable and easily digested it is usually very helpful in bringing cows back into condition quickly. It supplies essential minerals often lacking in other feeds. The quick results obtained have won many friends for Bulky Las.

HOME HANDIES



Pretty shelf edgings are easy to make. Just cut bright cloth into strips with pinking shears, ruffle slightly, tack onto shelves.

Here's a Home Handy from Mrs. J. M. Roberts, Jackson, Miss. Make "slip covers" for your pot pads, so you can easily slip them off for washing. The cover dries much quicker than the whole pad.

Big Pullets Pay You More!

Pullets fed for full, fast development lay early and give you more big eggs in the early fall when egg prices are highest.

Improper feeding, however, can certainly delay the date of the first egg and reduce the number of early eggs you get.

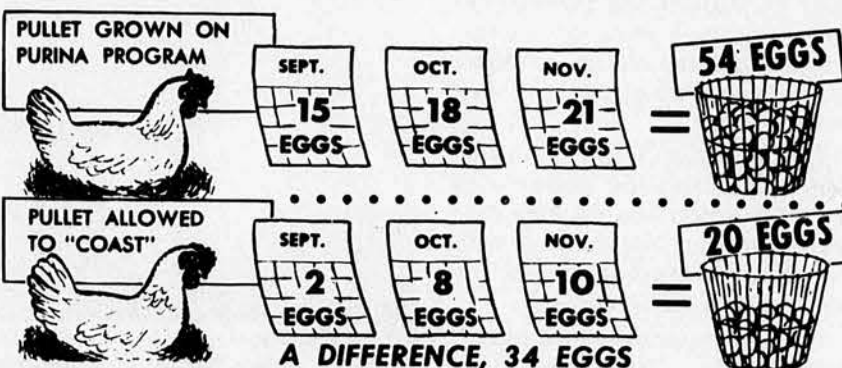
Pullets that are big and well-developed at the time of the first egg can mean extra earnings in these two ways:

1. All the laying ration can be used to make eggs and to keep the pullet's body in condition. No feed is wasted in completing the pullet's growth after she starts laying.
2. Pullets that are fully developed at the time of the first egg

usually have a long and hardy laying life. This means more eggs over a long period of time.

Our research shows that the right combination of growth ingredients

helps you get big pullets. Formula 1028, Purina's right combination of Antibiotic, B₁₂ Supplement, and Growth Vitamins, has been added to 1951 Purina Growing Chows.





Test sows were selected from poorer individuals of the herd pictured at the left. Photo at right shows how they looked when received at the Purina Research Farm, March 10, 1950.

After Proper Feeding 8 Razorback Sows Average 8.63 Pigs Weaned

Sows On Purina Farm Test Had Never Before Farrowed More Than Six Or Seven Pigs

THIS TEST was run to study the effect of proper feeding during gestation on size of litters, size and vigor of pigs and amount of sows' milk.

The farmer who previously owned these sows said they had never farrowed over six or seven pigs.

The sows were not pampered at the Purina Farm. They were fed according to the Purina Hog Program and checked daily. However, no one was on 24 hour duty while they farrowed.

Each of the eight sows farrowed an average of 12 husky pigs. These pigs weighed 2.47 lbs. each when they were born. The sows weaned sixty-nine pigs, an average of 8.63 per litter. All of the pigs averaged 39.09 lbs. at weaning time.

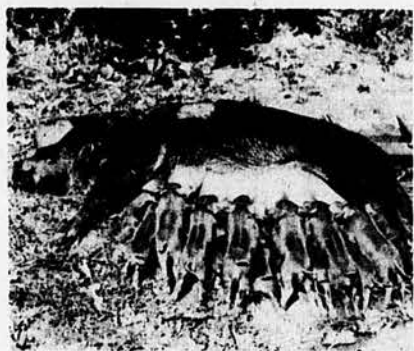
This test shows the big difference proper feeding can make. It proves that even common razorback sows often have bred-in capacity to produce more than is fed out of them . . . that breeding is often ahead of feeding. It clearly shows how the Purina Hog Program can help the average hog man get more from what he has.



Sow No. 6 weighed 170 lbs., March, 1950. Sows weighed from 112 lbs. to 225 lbs.—averaged 165 lbs. when received at the Purina Farm.



Sow No. 6 weighed 354 lbs. before farrowing. All the sows weighed an average of 393 lbs.—an average gain of 228 lbs. for each sow.



Sow No. 6 farrowed 15 live pigs. All sows averaged 12 pigs that weighed 2.47 lbs. at birth. None had farrowed more than 7 pigs before!



Sow No. 6 weaned 10 pigs that averaged 42.5 lbs. each. All the sows averaged 8.63 pigs weaned. Average weaned weight was 39.09 lbs.

**Save
2 Weeks'
Marketing
Time**



**By C. R. BANKHEAD
Manager Livestock Chows**

When done before weaning, these few, simple management steps help us cut 2 weeks from usual marketing time. Slowdowns, often the case at this time, are usually eliminated. Pigs stay on feed, continue gaining and making hogs of themselves.

We Full-Feed the sow and pigs during nursing for a big milk supply and big pig gains.



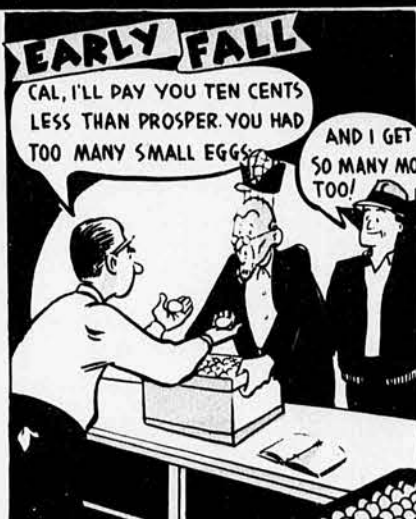
Castrating Early also reduces shock. Our pigs never miss a meal and are easy to handle at this time.

I'd Advise Worm-ing at 12 weeks for more thrifty pigs and less feed waste.

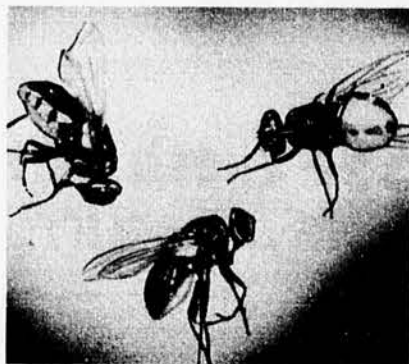


Our pigs are kept on full-feed at weaning. The shock of losing their mother is reduced.

CALAMITY CAL...



PURINA CHECKERBOARD NEWS



Purina Stock Spray, containing DDT and Lindane, offers great killing action when used against insects bothering livestock other than dairy cattle.

Why foot the bill for losses caused by insects? Give your dairy cattle the protection of Purina Dairy Spray and other livestock Purina Stock Spray. The cost is small, the protection great. See your Purina Dealer soon for this season's insect control program.

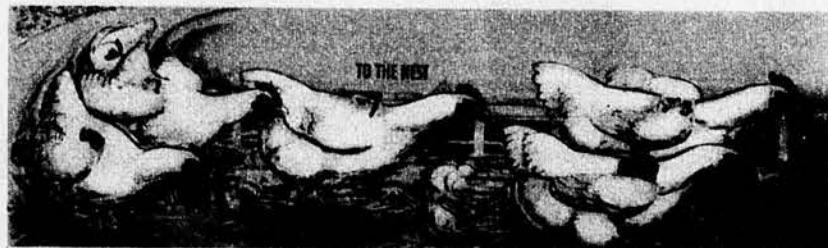
Dead Flies Can't Bother Your Livestock

Flies and other biting insects cost livestock raisers a lot of money every year. Milk production may drop as much as 50% due to bothersome insects. Hog gains are often materially slowed. Beef cattle on range or in feedlots fail to make satisfactory gains when worried by flies, gnats and mosquitoes.

For the dairyman, Purina has a special repellent that is recommended for dairy use. Purina Dairy Spray kills flies on contact and builds up some residual action after a few applications.

CUSTOM MIX MIKE SEZ:

PRODUCING MEAT, MILK, EGGS WE NEED MEANS GETTING MOST FROM GRAIN YOU FEED. PURINA'S CUSTOM MIXING STATIONS HELP PUT MORE "GROW" INTO YOUR RATIONS THEY'LL ADD PURINA'S FAMOUS CHOW... YOU'LL SEE THE DIFFERENCE THEN-AND NOW!



See the Difference Good Growth Makes at Your Purina Dealer's Pullet Derby

It's Derby time again! The Purina Pullet Derby is on in hundreds of stores with the Checkerboard Sign across the country.

The pullets have started their growing race right in the stores. Purina Dealers are presenting them as an educational feature for their communities. They want to show how big, well-developed pullets lay

big eggs and more eggs in the fall when egg prices are highest.

There's no handicap in the race. All pullets are fed the same—on Purina Growena or Purina Growing Chow and grain. Drop in and see them soon. There's no obligation—nothing to buy. Every poultry raiser is cordially invited.

Meet Interesting People with Wes Seyler on WIBW

You meet a lot of interesting people through Wes Seyler on WIBW, Topeka. Wes reports the markets at 12:20 each day and conducts his Farm Forum program each Sunday morning at 8:00 for Purina. On recent programs he has talked with Vern Albrecht, Smith Center; Clarence Jones, Detroit; Don Riffel, Enterprise; Chester Bare, Pro-

tection; Virgil Miller of the Kansas State Fair Assn., Gene Spratt of the Kansas State Board of Agriculture and Glen Pickett, Kansas Livestock Commissioner. Wes makes trips throughout the state and talks with farmers and agricultural leaders. He helps you meet interesting people through his programs.



SEE YOUR PURINA DEALER

FOR PURINA COMPLETE CHOWS

Purina Supplements and Concentrates

Purina Disinfectants . . . Fly Sprays . . .

Weed Killers . . . Feeders and Founts

KANSAS
ABILENE, Gordon Mark Elevator Co.
ALMA, Schulte Produce
ANDALE, Andale Farmers Elevator
ANDOVER, L. S. Dack
ANTHONY, Thurman Hatchery
ARGONIA, Borkin Grain Co.
ARKANSAS CITY, Arbuckle's Hatchery & Feed Co.
ASHLAND, Wallingford Elevator
ATCHISON, Berry Bros. Hatchery
ATTICA, Imperial Flour Mills Co.
AUGUSTA, Furlong Hatchery & Feed
BALDWIN CITY, Hardy Farm Supply
BAXTER SPRINGS, Gaines Feed Store
BELLE PLAINE, Halls Produce & Feed
BELLEVIEW, Hall Mill & Elevator
BELOIT, Jones Feed & Seed Co.
BONNER SPRINGS, Coleman Coal & Feed Co.
BURLINGTON, Solsby's Feed & Seed Store
BURNS, Burns Feed Store
BURRTON, Hensley Oil & Feeds
CANEY, Halligan Feed & Produce
CANTON, Canton Grain Co.
CARBONDALE, Surber Grain Co.
CEDARVALE, L. C. Adam Mercantile Co.
CHANUTE, Farm Service Store
CHANUTE, Floyd R. Potter
CHENEY, Ball Produce & Hatchery
CHERRYVALE, Cherryvale Grain Co.
CHETOPA, Karns Grain Products Co.
CLAY CENTER, Gordon Mark Elevator
CLEARWATER, Hugh R. Wilk
CLYDE, Derousseau's Hatchery
COFFEYVILLE, C. C. Feeders Supply
COLUMBUS, Columbus Hatchery
COLWICH, Andale Farmers Elev.
CONWAY SPRINGS, Farmers Union Coop. Assn.
COTTONWOOD FALLS, Schoap Poultry & Egg Co.
COUNCIL GROVE, Powell's Feed Store
DENISON, Farmers Elevator
DESOTO, Goodrum Grain Co.
DODGE CITY, Casterline Grain & Seed, Inc.
DWIGHT, Dwight Feed Co.
EDGERTON, Edgerton Grain Co.
EDNA, Edna Produce
EL DORADO, The Home Grain Co., Inc.
ELK FALLS, O & B Oil Co.
ELKHART, Elkhart Coop. Equity Exchange
ELLIS, The Wheatland Elevator
EMPORIA, The Kansas Soybean Products Co., Inc.
ESBON, Esbon Feed & Seed Co.
ESKRIDGE, Converse Farm Service Co.
EUREKA, C. T. Agrellius Feed Co.
FONTANA, Barnes Feed & Seed Store

FORD, Security Elevator Co.
FT. SCOTT, Chas. Leist Feed & Seed Co.
FT. SCOTT, National Coal, Ice & Fuel Co.
FRANKFORT, Kenro Hatchery
FREDONIA, Cox Produce & Grain Co.
GARDEN CITY, Western Terminal
GARDNER, Gardner Grain Co.
GARLAND, Pfeiffer Produce
GARNETT, A. H. Fawkes & Sons
GAS CITY, Goodsell Hatchery
GIRARD, Potter's Hatchery
GOODLAND, Terminal Grain Co.
GREAT BEND, Barton County Hatchery
GREELEY, Rommelfanger Produce
GREENSBURG, Security Elevator Co.
HAMMOND, Bruce General Mds.
HARPER, The Imperial Flour Mills Co.
HARVEYVILLE, Harveyville Grange Coop. Bus. Assn.
HAYS, Engel Electric Hatchery
HERINGTON, Wilkerson Grain Co.
HIAWATHA, Wolf Feed & Grain Co.
HIGHLAND, The Derrick-Hischke Farm Supply
HILLSDALE, Fessenden Grain Co.
HOLTON, Farmers Union Coop. Assn.
HOPE, The Farmers Coop. Elev. & Sup. Co.
HORTON, Preibe & Sons Hatchery
HUGOTON, Security Elevator Co.
HUMBOLDT, Dale's Feed Store
HUTCHINSON, Berry's Hatchery & Feed
HUTCHINSON, Orth's Feed & Seed Co.
HUTCHINSON, Salt City Hatchery
HUTCHINSON, Security Elevator Co. B.
INDEPENDENCE, Star Mill Co., Inc.
IOLA, Allan County Feed & Prod.
IONIA, Ionia Produce
JUNCTION CITY, Hart Bartlett Sturtevant Grain Co.
KANSAS CITY, Crawford Hatcheries
KANSAS CITY, Dyer & Co.
KANSAS CITY, Kansas Avenue Merc. Co.
KANSAS CITY, Kelley Feed Store
KANSAS CITY, Midwest Hatchery
KANSAS CITY, State Ave. Merc. Farm Store
KANSAS CITY, Frank Wells Feed Store
KANSAS CITY, KANS., Precht's Feed & Seed
740 Kansas Ave.
KANSAS CITY, KANS., Park Junction Feed Store,
1905 N. 5th St.
KENSINGTON, Levin Bros.
KINGMAN, Goenner Hatchery
KIOWA, Curran Hatchery
LA CYGNE, Farmers Produce
LANE, Geri's Breeder Hatchery
LATHAM, Asper Produce
LAWRENCE, Cadwell Hatchery

LAWRENCE, Douglas County Hatchery
LEAVENWORTH, Hibbs Farm Service
LEBO, Lebo Grain Co., Inc.
LENEXA, Jennings Feed & Coal Co.
LEOTI, Herb J. Barr & Sons Grain & Supply Co.
LIBERAL, Security Elevator Co.
LOGAN, The Logan Grain Co.
LOUISBURG, Owens Feed & Produce
LYONS, W. S. Dayton Hatchery
MACKSVILLE, Kansas Milling Co.
MAIZE, Maize Mills, Inc.
MANHATTAN, Johnmeyer Feed & Seed
MARION, Seymour Packing Co.
MARQUETTE, Rodney Milling Co.
MARYSVILLE, Mak's Marysville Hatchery
MAYETTA, Farmers Union Coop. Assn.
MCLOUTH, McLouth Grain Co.
MCIPHERSON, Community Produce
MCIPHERSON, Hilltop Turkey Farm & Hatchery
MEDICINE LODGE, Kansas Milling Co.
MICHIGAN VALLEY, Bulmer Grain Co.
MINNEAPOLIS, Golden Rule Hatchery
MONTEZUMA, Security Elevator Co.
MONUMENT, Wheatland Elevator
MORAN, Louie Benbrook Produce
MORSE, Morse Grain Co.
MOUND CITY, Ward Produce
MOUNDRIDGE, Moundridge Coop. Elev. Assn.
MT. HOPE, Independent Produce
MULVANE, Moore Grain Co.
MUNCIE, J. E. Puett
NEODESHA, Shacklett Hatchery & Feed
NEWTON, Berry's Feed & Supply Store
NICKERSON, Farmers Coop. Elevator Co.
NORTON, N. L. Johnson Grain Co.
NORWICK, Goenner Hatchery
OAKLEY, Wheatland Elevator
OBERLIN, Earl C. Wilson & Sons
OLATHE, Farmers Coop. Union
OSAGE CITY, Lafferty Grain & Produce Co.
OSAGE CITY, Steinhoff & Son
OSAWATOMIE, Osawatomie Feed & Produce Co.
OSKALOOSA, Oskaloosa Feed Store
OSWEGO, Karns Grain Products Co.
OTTAWA, Ottawa Produce Co.
OVERLAND PARK, Jennings Feed & Coal
PAOLA, Washburn Hatchery
PARKER, Lockhart Station
PEABODY, Peabody Coop. Equity Exchange
PECK, Moore Grain, Inc.
PENALOSA, Kansas Milling Co.
PERRY, Heck & Seyler
PIQUA, Niemann's Store
PITTSBURG, The Potter Hatcheries

PLEASANTON, Pleasanton Mill & Elevator Co.
POMONA, Pomona Feed Store
PORTIS, Walter's Lumber Co.
PRATT, Pratt Equity Exchange
PRETTY PRAIRIE, Security Elev. Co.
PROTECTION, Park Hatchery
RICHMOND, Farmers Home Coop. Merc. Society
SABETHA, Sabetha Coop. Produce Co.
ST. MARYS, Farmers Union Coop. Assn.
SALINA, McMinn & Tanner Feed & Produce
SCOTT CITY, Durrant Seed & Supply Co.
SEDAN, Sedan Seed House
SEDGWICK, Behymers-Sedgwick Hatchery
SEDGWICK, J. O. Coombs & Son
SEDGWICK, Sedgwick Alfalfa Mills
SHAWNEE, Shawnee Hatchery
SPRING HILL, Zwiemiller Feed & Produce
STAFFORD, Stafford Hatchery
STANLEY, Boyd & Maelzer
STERLING, Farmers Coop. Union
STILWELL, Stilwell Feed & Coal
STOCKTON, Bouchey Grain Co.
THAYER, Potter's
TONGANOXIE, Trospers' Feed Store
TOPEKA, Emery T. Shimer Feeds & Seeds
TOPEKA, J. R. Shimer
TRIBUNE, South Side Service
TROY, Winzer Hdwe.
TURON, Turon Hatchery
VALLEY CENTER, Valley Center Farmers Elevator Co.
VALLEY FALLS, Reichart Elevator
VIRGIL, Virgil Feed & Coal
WAKEENEY, The Wheatland Elevator
WATERVILLE, Wagor Produce
WATHENA, Wathena Hatchery
WAVERLY, J. R. Baxter Produce
WELLINGTON, Newell's Feed Store
WELLSVILLE, Averill Produce
WHITE CITY, White City Grain Co.
WHITEWATER, Whitewater Hatchery
WICHITA, C. Ball Feed Co.
WICHITA, Berry's Hatchery & Feed Store
WICHITA, Kellogg Brothers Feed & Seed
WICHITA, Maxwell Feed & Hatchery
WILLIAMSBURG, Williamsburg Produce
WILSEY, F. S. Riegel
WINFIELD, Wallace Feed Store
WINONA, Wheatland Elevator
WOODBINE, Reed's Store
YATES CENTER, Yates Center Elevator Co.
ZARAH, Zarah Grain & Elev.
ZENDA, The Goenner Hatchery
ZENITH, The Zenith Cooperative Grain Co.

Five Schools Get Together

(Continued from Page 1)

1950. The school was completed and students moved in by February 16, 1951, less than a year later. Total bonds amounted to \$79,500. Building cost \$68,000 and the rest went for water system, well, architect's fees, landscaping. There are 3 classrooms in the new building all located in one wing on the north side, with the north wall being almost entirely of glass for light. A beautiful view of the countryside is available from any classroom.

In the second wing there is a large entrance hall, an office for teachers, a modern kitchen for serving hot lunches and for community events, and a large combination room used as an auditorium and recreation room. Modern rest rooms are included.

Forced air heat from a central plant keeps the building warm. Air pipes run under floors of all rooms to the outside walls, where registers are located. This keeps floors warm even on coldest days, teachers report.

Desks Can Be Adjusted

Classrooms are equipped with modern desks and study tables. Desk tops can be adjusted to various levels and angles to fit students and the work they are doing. Seats are adjustable as to height and distance from desks.

One thing that costs money in building construction is partitions. These were kept to a minimum at Consolidated 103 school by eliminating cloak-rooms. Instead, each classroom is equipped with 2 cabinet-type coat closets. These cabinets, which also have shelves for lunch boxes, are handsome pieces of furniture, yet they can be moved back against the wall or out in the hall if space is needed for special activities.

Rooms also are equipped with low-portable bookcases having plenty of worktable space on top. These then serve a double purpose, also can be moved against the wall or out of the room when the situation calls for more room.

There are 4 acres with the building. "This is not too much," says Dean Rybolt, president of the school board. "Our plans call for a paved basketball court and play area on the grounds," he says. "We also will have a softball diamond. A graveled parking area will be provided and a circular drive already is in use. The entire 4 acres will be landscaped with trees and shrubs."

How Site Was Selected

We were interested in how the site for the new school was selected. "Where 5 districts are involved wasn't it difficult to get agreement on a site?" we asked. "Not especially," said Mr. Rybolt. "Our board is made up representatives of each of the 5 former districts. We chose a spot as near center as possible and still on a good road. The proposed site then was included along with the bonds in the voting. Folks in the 5 districts voted on both bonds and site. When the bonds carried the site was automatically selected by the voters."

The new consolidated district now has a valuation of about \$1,814,000. There are 55 students in the school and 3 teachers on the staff.

"It may be too early to tell, yet," says Mr. Rybolt, "but we think we are going to be able to operate on as little, or perhaps less, than our 5 separate districts did before consolidation."

The 5 abandoned schoolhouses were

sold and proceeds used to buy busses for the consolidated school. The new school has 2 busses, one a 29-passenger affair and the other a 10-passenger. The district is 8 miles long and 4 miles wide.

In comparing costs of operation of the consolidated school against the old 5 districts, Mr. Rybolt says: "We eliminated 2 teachers and the upkeep of 4 buildings. In exchange, we now have our bus service to finance and janitor service."

Plenty of Teachers

Mr. Rybolt is impressed with the improved teaching situation in the new school. "We had 2 dozen applications for teaching jobs," he points out, "while some of the one-teacher schools were unable to get any applications. We definitely were able to pick our teachers and all 3 have degrees. Many rural schools cannot attract teachers with degrees. We were able, too, to hire them for their special abilities. Mr. Talley is trained to handle recreation and serves as one of the bus drivers. Mrs. Kennedy has a major in music and teaches music in all grades. Miss Towner has a major in art and teaches art in all rooms. This gives our students a well-balanced education without having to depend on outside arrangements for special studies."

Rosa Towner, who serves as principal of the school, is amazed the new school is making discipline much easier. "Our children are so proud of their new school and the privileges they have they co-operate to the limit," she says.

Lighting conditions in classrooms are beyond the imagination of those who graduated from the old-type country school. While each classroom is equipped with indirect artificial lights they "were not turned on once this past winter during school hours," says Miss Towner. Since the big window walls are on the north the children get plenty of light without glare.

Recreation Room Helps

One reason for better discipline in the new school is the large recreation room, where students can romp regardless of weather. "In the old school we dreaded bad days when the children could not get outdoors to play," says Miss Towner. "It was always quite a job to keep them busy and interested during play periods. Now the 3 classrooms take turns in using the recreation room, where supervised play is easy to manage."

For full use of the combination room, all equipment is being made so it can be torn down and removed. A stage is being made in sections so it can be taken down and stored when not in use.

Already the new school building is swamped with requests for use by groups in the community. "We want our school to be the community center," says Mr. Rybolt, "and we are taking care of as many community activities as it is possible to schedule."

Official dedication of the new school was observed with a community program the night of February 23, 1951. E. W. Miller, editor of the Olathe Mirror and nationally famous for his humorous talks, was principal speaker.

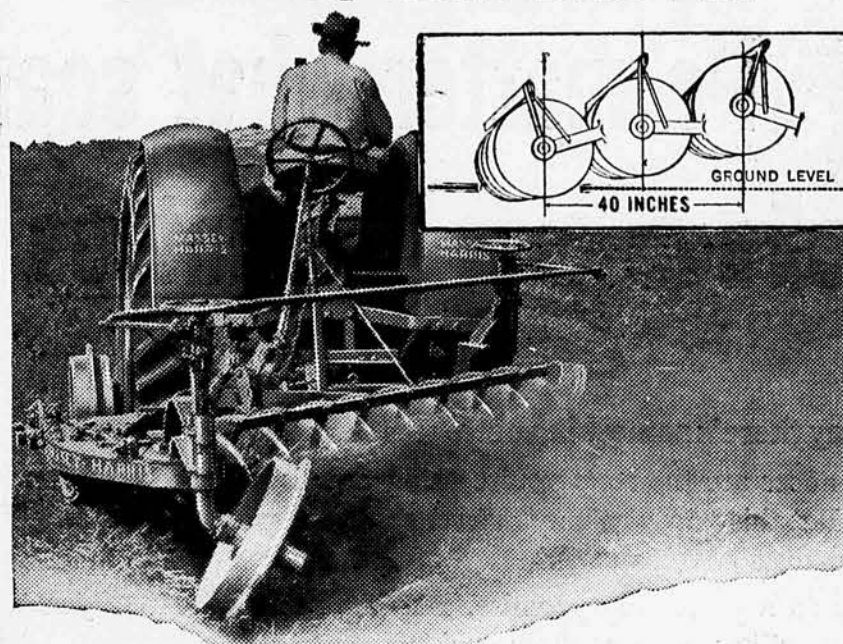
The school board for District 103 is composed of Dean Rybolt, director; Robert Stone, clerk; Hadley Voigts, treasurer, and Paul and Harold Schlagel.



MEMBERS OF SCHOOL board and faculty for district 103 school are, rear row, left to right: Harold Schlagel, Paul Schlagel, Robert Stone and Dean Rybolt, board members. Front row, left to right: Mrs. Virginia Kennedy, Don Talley and Rosa Towner, teachers, and Hadley Voigts, board member.

Save moisture, time, labor

with this MASSEY-HARRIS One-Way with Roto-Lift



A quick look at the work of the Massey-Harris No. 510 One-Way Disc and you'll see why it's such a favorite with Grain Belt farmers. It gives you a fast-working, modern tillage tool that prepares better seed beds for higher yielding crops. At the same time, it builds up and conserves your soil — saves valuable moisture.

Sharp cutting discs on the No. 510 make an ideal mulch, leaving enough stubble on top of the ground to resist wind and water erosion. The porous surface absorbs more water . . . prevents heavy run-off. You'll also find the No. 510 a natural when it comes to building and maintaining wide-base terraces with gentle sloping ridges.

Massey-Harris' patented Roto-Lift rolls the No. 510 out of the ground quickly . . . protects waterways, makes

short, fast turns easy. When you lower the No. 510, the discs settle down under power. With the Instant Depth Control, you can set the desired discing depth accurately without leaving the tractor seat.

Extra bearings on the No. 510 distribute the load evenly across the husky steel frame . . . hold the Massey-Harris One-Way in perfect alignment. Long-wearing bearings are pressure lubricated to stop power-wasting friction . . . make the disc easier to pull.

The heavy-duty No. 510 is available in 6, 8½ and 10 foot widths . . . the smaller No. 509 in 4, 6½ and 8 foot widths. See your Massey-Harris dealer for full details on the complete line of Massey-Harris discs, tractors, combines and equipment. Send coupon below for free folders by mail.

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No matter what soap you're now using— **cheer** guarantees a cleaner, whiter wash!

Today there's something better than *any* soap—new CHEER!

Chances are the soap you're using now is a perfectly good one. But this new washday marvel gets your wash *cleaner* and *whiter* than any soap will!

That's a pretty big promise. But if you'll try CHEER *just once*, you'll prove it *at every washing step!*



Next washday you be the judge!

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You'll marvel at the way new CHEER's thick suds billow up—even in *hardest* water! CHEER gets right to work removing greasy, grimy dirt. No bleaches, bluing, or water softeners needed.

2. Prove CHEER's guarantee—on your washline!

After rinsing and wringing, *see* how gloriously clean, how radiantly white CHEER-clean clothes are, waving on the line! And CHEER is *safe* for colored washables . . . *kind to hands!*

3. Prove CHEER's guarantee—on your ironing board!

CHEER leaves no soap film to yellow under the iron's heat. Clothes not only wash and dry cleaner and whiter . . . *they iron cleaner and whiter*—or your money back!

Get CHEER in the convenient Giant Economy Size package

**P.S. Wonderful
for NO-RINSE
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If you wash without rinsing, no washing product on earth will give you a cleaner wash than CHEER. CHEER will give you the cleanest no-rinse wash it's possible to get.



"Clothes dry so fresh
and sweet-smelling
you'll want to hug them!"

Try **cheer** once...
and you'll **cheer** forever!

Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



Here Comes the

Bride

JUNE brides will take the spotlight soon. The month of weddings is right around the corner. Weddings are full of tradition, from the bride's wearing "something old, something new, something borrowed, something blue," to giving guests small pieces of wedding cake to take home as a symbol of insured plenty.

The wedding cake may be the center decoration of the bride's table, flanked with flowers and candles, or it may have the place of honor on the buffet or small white-covered table.

Another tradition is inviting guests to a wedding breakfast, luncheon or supper. It needn't be an elaborate meal. Simple menus can be gay and attractive. Patty shells are fine for chicken, but they're not too easy to prepare and here, we have a substitute. Handsome patties can be made easily from toasted slices of bread. They're crisp and flavorful.

Simply take 2 pieces of toast for each patty. Cut both pieces with a large cookie cutter, then remove the center of one by cutting with a smaller cutter. Stack the toast ring on top the large toast round and fill with chicken a la King and right on top place the small toast round. You'll have a handsome and colorful dish to celebrate a gay June wedding. Serve it in the following combination either at a large dining table or at tables for 4.

To a June Bride

Melon balls with Lime Sherbet

Chicken a la King in Patties

Carrot Curls

Asparagus Tips

Wedding Cake and Ice Cream

Coffee

Petition

I do not ask for wealth or fame
For lands or flocks or herds;
Nor traveling far in sunny climes,
As free as flying birds.

But simple things are my desire,
A home with lovely trees,
A garden, yard with lots of flowers,
Birds singing in the breeze.

My family coming home to me,
For rest at close of day,
And strength to do my work aright,
Dear Lord, for this I pray.

—By Ida M. Yoder.

For melon balls you'll need a tiny scoop. Try the kitchenware department for that. Carrot curls require another gadget, a small one that literally shaves the carrot in thin slices. Chill them in ice water in the refrigerator and they'll curl, giving a decorative appeal as well as an attractive crisp texture.

Such a simple meal as this is right for a late wedding breakfast, luncheon or dinner. The menu for a reception held in the afternoon or early evening after the customary dinner hour may be the simplest of all. If you wish, it may consist only of 2 items, a cold frosty drink and the bride's cake. Coffee may substitute for the cold drink.

A more usual menu is the "famous four," sandwiches, cake, coffee and a cold drink. In this case, guests stand while they eat and the food is served buffet style. Sandwiches, small and dainty are a must. Use a variety of breads and several combination spreads such as sliced green stuffed olives mixed with cream cheese; minced avocado and chopped shrimp; ham or egg salad mixtures.

Get out the cookie cutter to make attractive shapes in sandwiches. Mix cream cheese with chopped ginger and chopped nuts. Mash hard-cooked eggs with enough cooked salad dressing to soften. Add [Continued on Page 24]



A PRIZE WINNING RECIPE BEST WITH **RED STAR** Special Active DRY YEAST

Prize winning recipe in the first \$100,000. Grand National Baking Contest, Waldorf Astoria Mrs. Joseph Rutkowski, Milwaukee, Wis.

PRUNE BRUNCH ROLLS

BAKE at 375° F. for 15 to 20 minutes. MAKES about 40 small rolls.

DISSOLVE 1 package active dry yeast (or 1 cake compressed yeast) in 1/4 cup warm water (110° to 115° F.). **COMBINE 1/4 cup shortening, 1/2 cup sugar, 1 1/2 teaspoons salt*, 1/4 cup scalded milk. Cool to lukewarm. BLEND IN 1 beaten egg and the dissolved yeast. ADD 3 cups sifted Pillsbury's Best Enriched Flour; mix until smooth. Place in greased bowl; cover. LET RISE in warm place (85° to 90° F.) until double in bulk, about 1 hour. ROLL dough on lightly floured board to 1/4 inch thickness; cut into rounds with 2 inch cutter. Place on greased baking sheet. LET RISE in warm place until double in bulk, about 1 hour. PRESS fingers

in center of each round to form a tart shape. Spread a teaspoon of prune filling and a teaspoon of cheese filling in each hollow. Sprinkle with chopped nuts. BAKE in moderate oven (375° F.) 15 to 20 minutes. PRUNE FILLING: Combine 1 cup chopped, cooked, pitted prunes, 2 teaspoons grated orange rind, 3 tablespoons sugar and 1/4 teaspoon cinnamon. CHEESE FILLING: Combine 1 cup creamed cottage cheese, 1/4 cup sugar and 1/2 teaspoon salt.

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

RED STAR IS THE FIRST 3-WAY
IMPROVED DRY YEAST

QUICKER DISSOLVING...
QUICKER RISING...
KEEPS FRESH LONGER

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QUICK RISING
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RED STAR YEAST, MILWAUKEE



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Enjoy sound, reliable Life Insurance protection plus a dependable, profitable investment . . . extra advantages at no extra cost! You decide when and how much to save. Your deposits earn 2 1/2 per cent interest . . . or more . . . and you can draw out your deposit fund any time, without losing any of your insurance protection.

For further information, see your friendly Kansas Farm Life agent, or write today.

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News to You?

Don't dilute French dressing. After washing salad greens, drain them well. Water left on dilutes the dressing.

Cheese must be kept wrapped in its original protective wrapping or in another moisture-vapor-proof covering in the refrigerator.

Keep an extra vegetable brush near the laundry tubs. Use it to remove sand and dirt from clothes before putting them into the washing machine. Use it to scrub extra dirty collars and cuffs.

If you choose fluorescent lighting for your kitchen choose the soft, white light. Some colors such as blue tend to make foods look greenish and unappetizing.

When you're planning your new kitchen, allow at least 2 feet of counter space as a work area around each appliance such as stove, sink and refrigerator.

If you're planning to remodel the kitchen in which there are so many doors and windows no unbroken wall space is available for appliances and cabinets, build a peninsula out from a wall to accommodate at least one appliance. This also provides for a breakfast bar.

There is a new and different faucet on the market now. It has one control handle that regulates both temperature and amount of water. With a flick of the finger you can swing the control handle all the way to the left for hot water, all the way to the right for cold water, or any point in between to get just the temperature of water you wish. By raising or lowering the handle, you can get either a large or small flow of water.

One way to remove the ring around the bathtub is to rub with a solution made by adding a few drops of kerosene to warm soapsuds.

Keep the heat low when cooking meat. Fat should never smoke. Low heat is better for the meat as well as the fat.

To mend a stocking, best results can be obtained by raveling a thread and making the mend with it. It is of much lighter weight than ordinary sewing thread.

Wash strawberries before removing the stems. Both vitamin C and flavor is lost in the water if removed before washing.

Here Comes the Bride

(Continued from Page 23)

chopped olives and season with salt and pepper. Spread on very thin bread and roll up quickly. Fasten with toothpicks, wrap in either oil paper or metal foil and chill in the refrigerator. Just before serving, slice in jelly-roll fashion.

For variety, combine finely chopped cucumber with just enough horseradish to flavor it and a little French dressing. Spread on lightly-buttered rye bread. And combine a half-cup of walnut meats with 3 stalks of chopped celery. Moisten with mayonnaise and lemon juice. Use on brown bread. Cream cheese and shredded peanuts mixed with raisins and cooked salad dressing is still another choice.

All these sandwiches should be wrapped with aluminum foil or oiled paper, or covered with a lightly dampened tea towel and refrigerated until ready to serve.

For the June Bride

If you are planning a simple or an elaborate wedding for daughter, our leaflet, "Mary Ann's Chapter for Brides and Mothers," gives correct information on announcement of engagement, showers, gifts, trousseau, rings, wedding at church or at home, reception and much other information. Price 5c.

If interested in entertainment in honor of the bride-to-be, we suggest these leaflets:

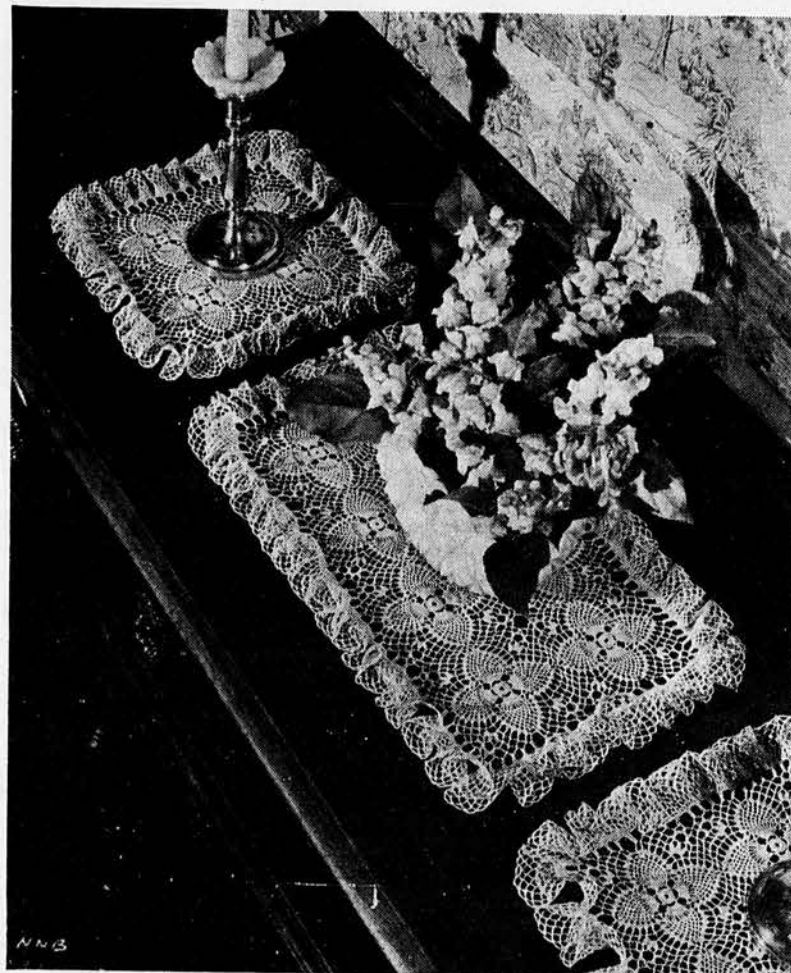
Announcing the Engagement. Describes several clever methods. Price 3c.

Sewing Shower for the Bride-to-Be. Lunch table decorations, favors and quiz. Price 3c.

Bride-to-Be Tea Shower. Clever presentation of gifts, fortune telling and a pencil game. Price 3c.

Please address your order to Entertainment Editor, Kansas Farmer, Topeka. We can give it prompt service.

Pineapple Buffet Set



An interesting arrangement of the popular pineapple design. Oblong doily measures 11 by 19 inches, square doilies 11 inches. Send 5 cents for leaflet number 7867 to Home Service Editor, Kansas Farmer, Topeka.

Notes from the BEET SUGAR KITCHEN



by Nancy Haven



Be wise, organize. For all those put-up jobs are so much easier if you make out lists of what you need—glasses, jars, lids, paraffin and, of course, Beet Sugar.

Be ready for this brand new treat—

SPICED STRAWBERRY-BING CHERRY PRESERVES

4½ cups (1½ baskets) halved strawberries
5 cups (2 lbs.) pitted, halved cherries
6 cups Beet Sugar
1 cup (2 medium) unpeeled oranges cut in ¼ths
2 tablespoons lemon juice
1 (3-in.) stick of cinnamon

Wash, hull and halve strawberries, lengthwise; wash, stem, pit and halve cherries. Combine all ingredients in a large preserving kettle. Place on heat. Stir until sugar dissolves. Bring to a boil; boil slowly about 25 min. or until 2 thick, heavy drops run together off clean metal spoon (220°F.). Remove from heat; take out cinnamon; skim; pour into hot sterilized jars or glasses and seal. Makes 4½ pints.

STRAWBERRY MEASUREMENTS (approximate)	
Average weight of 1 basket berries equals 1 pound	
1 pound berries equals 3 cups whole	
1 pound berries equals 1½ cups crushed	
1 pound berries equals ¾ cup juice	

CHERRY INS AND OUTS. A kitchen scissors will cut pitted cherries quickly and uniformly. And the cut surface of a lemon erases cherry stains from your hands.

Marvelous...with Beet Sugar

Remember—Beet Sugar not only serves to sweeten and provide a preservative action. It actually improves the flavor of fruit and helps preserve its shape, texture and natural color. So for perfection in jams, jellies and all kinds of home-canning and freezing, make pure Beet Sugar your "stand-by."

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Price Per Linear Foot Height	
36"	20c
42"	22c
48"	25c

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The Poet's Corner

Potato Yeast Bread

My mother used potato yeast
For foot-high loaves of bread;
She "set" it in an old brown crock
Before she went to bed.

And be he just a little boy
Or one that's fully grown . . .
Her homemade bread could touch the spot
Inside his hunger zone!

—Edna Hull Miller.

To My Small Daughter

I have left you at home today,
But I see you everywhere.
The little girl with neat braids,
Holding her mother's hand,
Is you 3 years from now.
There you are with the case of a violin
Tucked under your arm.
Will you have talent? Some touch
To thrill you at work?
Your laugh from the cool, fresh teen-
aged girl

Dressed in starch cotton
With a rosebud in her hair.
Will your spirit be as light as hers,
And will it be entirely yours,
Or only borrowed 'til life asks it back?
It is the heart that holds the image of
the eye.
Tho you are at home, I see you every-
where.

—By C. S. M.

Kansas Spring

Let others sing of Kansas spring
With all her birds and flowers,
And say it's fun out in the sun
To sit long, lazy hours
Watching the fleecy clouds go by
Across a deep blue Kansas sky.

But Kansas spring is a fickle thing
And weeps when she should smile;
Warm breezes blow for a day or so
Your senses to beguile,
So under scant covers you go to bed
With plans for planting in your head.

When with the break of morn you wake
And shiver out of bed,
Your heart sinks low when you view the
snow
That covers the ground instead,
Of the sweet spring flowers you'd hoped
to see,
And the north wind howls with fiend-
ish-gee.

Old Mother Earth cannot give birth
Unless you plant the seed,
But snow and rain are here again
When moisture you do not need;
So you wait and hope 'twill soon be dry
And you'll get it planted bye and bye.

—Mabel Wolfe Shaw.

Flowers From Susan

A tiny bouquet she somehow achieves
Tho it arrives without stems or leaves,
With five chubby fingers clutching it
tight
Her zinnia bouquet is wilted . . . yet
bright!

But oh, the love which accompanies her
gift!

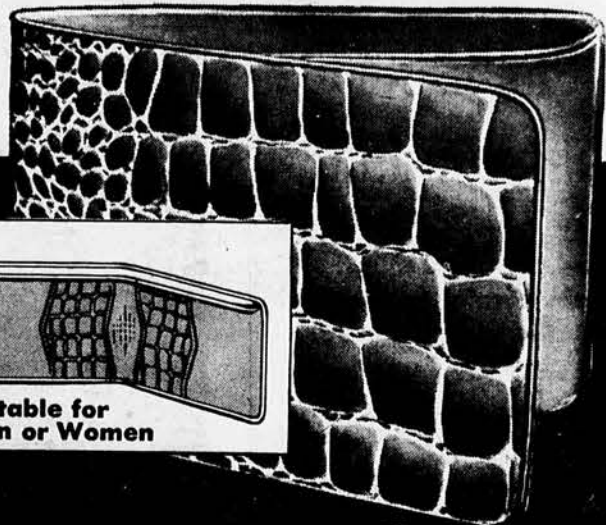
I cradle the flowers with a heart-
warming lift,
I reach for a bowl on a gay singing note
Fill it with water and set them afloat!

—By Mary Holman Grimes.

For Class Reunion

Party suggestions suitable for a
class reunion or club party are
contained in the leaflet, "A Kid
School Party for Grown-ups." In-
teresting games and stunts that
will assure all a hilarious time.
Please address Entertainment Edi-
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Own this newest-type billfold . . . truly handsome . . . will last for years. Made of remarkable new extra-durable vinyl-plastic in a rich design. Like real alligator. Tough! Won't mar, crack, peel or absorb perspiration. Four handy pockets for cards, pictures, plus a secret hide-away compartment for bills of large amounts. Men go for it! Women love it! A wonderful value at \$3.00 — but it's yours for only \$1.00 plus the last two inches of the unwinding strip from any size can (or the label from a jar) of rich, delicious Butter-Nut Coffee. Offer is limited. Get yours now. Send to BUTTER-NUT COFFEE, Box 1634, Omaha, Nebr.



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Please send at once _____ Vinyl-Plastic Billfolds. I enclose
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winding strip from a can — or the label from a jar — of BUT-
TER-NUT COFFEE for each billfold ordered.)

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ADDRESS _____

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Supply
Limited
SEND
QUICK!

THE FARM FAVORITE!

Stop Taking Harsh Drugs for Constipation

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

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

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

Gentle, effective relief

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

Try Dr. Caldwell's. See how wonderful you feel. 25¢, 60¢, \$1.20 sizes. Get Dr. Caldwell's Senna Laxative now.

DR. CALDWELL'S SENNA LAXATIVE

Protect Growing Birds With GERMOZONE

This year you can't afford to risk your investment in costly feeds and chicks. Halt spread of germs to your entire flock through drinking water.

- Germozone destroys many germs uniformly
- A liquid — mixes instantly, uniformly

12 oz., 90¢; 1 qt., \$1.75;
1/2 gal., \$3.00; 1 gal., \$5.25

Get Germozone at Your Lee Dealer's — Drug, Hatchery, Feed, Seed Store

Lee's POULTRY MEDICINES **GEO. H. LEE CO.**
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for rapid uniform growth



FOR POULTRY

Chicks need calcium carbonate for rapid growth of bones and feathers. They need chick size Pilot Brand Oyster Shell. Keep it before them all the time. They take it only when they need it.

At most good feed dealers

OYSTER SHELL PRODUCTS CORP.
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Future Homemakers Meet 51 Honored With Degrees



TEA WITH MRS. ARN: In receiving line at home of Governor and Mrs. Edward Arn are left to right, Barbara Arn, Dolores Arn, Mrs. Arn and Mrs. Genevieve Saunders, president of the Women's Chamber of Commerce, Topeka. Picture by Phil Brent, Topeka.

THERE are no youth clubs in the United States, or in the entire world for that matter, that are more highly respected than the Future Homemakers of America and the Future Farmers of America. The speaker was Robert Ball, of Garden City, president of the Kansas Association of Future Farmers of America, who brought greetings from the 6,000 Future Farmers of Kansas to the 2,200 Kansas Future Homemakers in Topeka April 7, for their fifth annual state meeting. Robert was one of 800 youths from all parts of the world who participated in the Mid-Century White House Conference on Children and Youth, in Washington, D. C., last December. "It was there," Bob said, "I realized just how highly these 2 organizations are held in the esteem of the world at large."

Dorothy Sheets, a rural girl and member of the Washburn Rural High School FHA chapter, Topeka, also was a delegate to that White House Conference.

In Charge Public Relations

As national FHA vice-president in charge of public relations, Dorothy, a striking brunette with twinkling brown eyes, is a vivid example of the more than 5,500 Future Homemakers in Kansas. Dorothy, together with these Future Homemakers, is a builder of homes for America's future, homes where truth and love and security and faith will be realities, not dreams; and homes where living will be the expression of everything that is good and fair.

Addressing delegates at the state meeting, Dorothy told how the White House Conference was concerned in securing a healthy personality for all children and youth. "One of the important conclusions reached," Dorothy states, "was, in order to build America's future, parents must work with youth, instead of for them, and the youths attending learned that the parent, as does the small child, must feel wanted. They have their problems, too," emphasized Dorothy, "and we must listen as they present their side."

All 2,200 delegates attending the FHA state meeting agreed the program given was best yet, for there was never a dull moment. From time the curtain went up at 9:30 a. m., at the municipal auditorium, revealing state officers seated on the stage where 3-foot-high, silver letters mounted on gray velvet curtains at back of the stage spelled out the convention theme, "Today's Homes, Tomorrow's Hope," to 5:30, when the tea given at the executive home of Governor and Mrs. Ed Arn ended. Sponsoring the tea and a guided tour of the statehouse, were members of the Women's Division of the Topeka Chamber of Commerce. A highlight of the tea for the girls was getting to meet not only the Governor's lady, but also the 2 Arn daughters, Dolores and Barbara.

Even the business reports were interesting, each state officer "dressing up" her report with demonstrations, sketches and illustrations.

Recognition of the many talents which contribute to tomorrow's homemaking was given to 51 successful candidates for the highest degree that a state FHA association can award, the State Homemaker Degree.

Typical of the 51 girls honored was good-looking and vivacious 17-year-old Joyce Francis, member of the Bluff City FHA Chapter. Joyce, with her parents, Mr. and Mrs. Ray Francis, live on a 220-acre wheat farm located near Bluff City. She is a capable girl, this Joyce Francis. She not only helps at times with the farm work, but also assumes many of the household duties so that the work of her mother, who teaches in a rural grade school, may be lightened. Besides this, Joyce finds time to be very active in FHA work and high-school activities. She has served 2 years as president of her local chapter and as president of FHA district IV. In between times, Joyce plays on the girls' basketball team. "I think FHA is a wonderful experience for every girl," said Joyce.

New State President

Brown-eyed, brunette Nadine Schmidt, of the Colby FHA chapter, is the newly-elected state president who will head the Kansas Future Homemakers during the coming year. On her staff are: Mary Ann Curtis, Ulysses, vice-president; Joyce Francis, Bluff City, 2nd vice-president; Doris Jean Beck, Baxter Springs, 3rd vice-president; Carol Antic, Wyandotte High School, Kansas City, secretary; Jeanice Ann Blauer, Stockton, treasurer; LaRue Fuller, Little River, historian; and Mary Lou Warren, Frankfort, song leader.

Retiring state president, Marclyn Musil, of the Waterville FHA chapter, presided at the state meeting. Marclyn is another farm-reared girl and puts her homemaking education to good use. She received the State Homemaker degree last year.

Among state and district officers installed at the April 7 conference were 8 Future Homemakers who will serve as presidents of the 8 FHA districts next year: Beverly Turner, Ottawa; Helen Lumpkins, Smith Center; Ruth Chaffee, Hutchinson; Ruth Ann Gress, Medicine Lodge; Shirley Nichols, Kincaid; Dia Harves, Wakefield; Viola Rummel, Atwood, and Jane Hill, Dodge City.

For Alumni Banquet

"Ships on the Sea of Life," is a playlet of 7 characters, a party planned for the alumni to give to the senior class. It includes suggestions for an entire evening's program—a menu, the music, and directions for making favors. Please send your order to Entertainment Editor, Kansas Farmer, Topeka. Price 5¢ a copy.

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Raising Baby Chicks

Mrs. C. M. Bradshaw, Diagonal, Ia., says: "I have been using Walko Tablets for 35 years with splendid results. I would not think of trying to raise Baby Chicks without them. I also use them for my grown birds with the same satisfaction."

You Run No Risk

Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 60¢, \$1.20, \$2.50 and \$4.00.

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Name on both sides of rust proof, heavy aluminum plate, 4 inches high with large letters 2 1/2 inches high. Doctors find your home on darkest night. Fits 19 or 24 inch mail box. Easily attached. Clamps on... no holes in top of box to leak. Scotch light reflector letters. Permanent. Distinctive. Write for low prices and how to get your own name plate this easy way. AT NO COST.

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SPECIFICATIONS

Width of Cut—36 in. Bearings—Standard Ball. Power—3 H.P. Briggs & Stratton. Frame—Fabricated Electric Welded Steel. Differential—Auto Type Drives From Both Wheels. Drive—Standard Auto V-Belts. Gears—Machine Cut. Tires—400x8 Pneumatic. Self Propelled.



The F & H heavy duty 24" or 18" self-propelled rotary type lawn mower cuts fine grass or large weeds. Powered by a Briggs & Stratton 3 H.P. air-cooled engine. V-belt and roller chain drive. Ball bearing spindle. Electric welded steel frame. No castings to break. Auto type differential. Pulls from both wheels. Fool proof V-belt clutch. All bearings and gears are unconditionally guaranteed for one year. Drive wheel 12"x3.00 semi-pneumatic puncture proof. Front wheel 10"x2.00. Two blades with each machine. Only one nut to remove to change blades. Satisfaction guaranteed.

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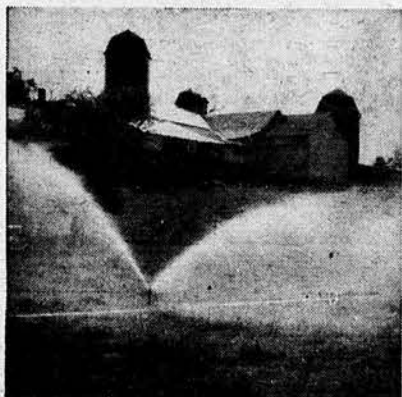
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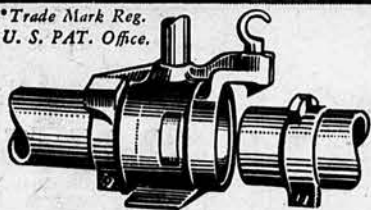
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9490
SIZES
2-10

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9490—Four-way wonder for small-fry. Sizes 2 to 10. Size 6 entire outfit takes 3 3/4 yards of 35-inch material.

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4951—Slenderizing 2-piece dress with bolero. Sizes 34 to 48. Size 36 takes 4 yards and 7/8 yard contrast of 39-inch.



4951
SIZES
34-48



9310
SIZES
12-20



4948
SIZES
12-20



4587
SIZES
2-10

9310—Doubly useful, for back unbuttons for suntanning. Sizes 12 to 20. Size 16 takes 4 1/4 yards of 35-inch.

4948—Easy-to-sew frock with 2 main pattern parts. Sizes 12 to 20. Size 16 uses 4 1/4 yards of 35-inch.

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Send 30 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka. Use coupon above. Twenty cents more for the new Pattern Book with a free pattern printed in the book.

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Just two ounces per acre stop even the worst infestations. That's why the cost of aldrin-izing is so low.

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Kills many harmful germs, helps keep drink pure. Has powerful Detoxifying Action!

- Mixes rapidly, evenly in the drink
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12 oz. bottle, 90c; 1 qt., \$1.75; 1/2 gal., \$3.00.



Get Germozone at Lee Dealer's—Drug, Hatchery, Feed, Seed Store

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I NEVER "GUESS" ABOUT MOTOR OIL!



WILLIAM J. GOODE of Seymour, Texas, says—

"When you have your own machine shop you're in a position to find out which oil stands up under tough conditions. I use Phillips 66 Premium Motor Oil exclusively." William Goode maintains his own machine shop with a full-time mechanic to repair and service his seven tractors, one caterpillar Diesel tractor, one half-track and two pick-up trucks. His five farms, comprising a total of 3,000 acres, extend into three different counties. He has used Phillips products for seven years.

NEW "Lubri-tection"!

New Phillips 66 Premium Motor Oil provides improved Lubrication and Engine Protection

Improved lubrication! Phillips modern processing methods leave the fine natural lubricating qualities in the oil. *Improved protection, too!* You get these important "extras" in new Phillips 66 Premium Motor Oil: New anti-corrosive action helps guard against the main cause of wear in engines. New anti-acid effect helps guard against acid damage to fine bearing surfaces. A new cleansing ingredient helps prevent formation of sludge and varnish. New ultra-high stability enables Phillips 66 Premium Motor Oil to keep its fine lubricating qualities under severe conditions. For improved lubrication, plus improved protection... for new "Lubri-tection"... ask your Phillips 66 Dealer or Tank Truck Salesman for Phillips 66 Premium Motor Oil. It's a money-saving investment!



You get the combined advantages of sturdy construction and scientific tread design when you choose Phillips 66 Tractor Tires. Get them from your Phillips 66 Dealer or Tank Truck Salesman.



Utility Alley

(Continued from Page 4)

when applied at a right angle to the surface to be sprayed. When spraying thick-coated cattle for grubs, with pressure at from 400 to 600 pounds, hold nozzle about one foot from and perpendicular to backs. Spray down on the backs of cattle.

An underline spraying unit, says Mr. Cuff, can be placed in the 36-inch gateway leading into the sorting alley. When the cutting gate is open, cattle will pass more slowly over the underline because they have to turn slightly instead of running or jumping straight over the underline. Cattle, sheep or hogs can be crowded into the alley or held in one section by closing the dividing gate.

"A squeeze can be built into or placed at the end of the sorting chute," says Mr. Cuff. "A neck squeeze can be built into the gate at the end of the sorting chute. With this equipment large animals can be securely held for necessary individual treatment."

As height of truck floors varies, plans shown here by Mr. Cuff have an adjustable loading chute ramp that may be set at from 3 to 3½ or 4 feet from the ground. A loading dock at the end of the loading chute is a desirable convenience. Some will want a catwalk along the cutting alley for easier cattle-back treatment, such as dusting for grubs. Others may wish to use some of this space for widening the loading chute.

"The attractive thing about this utility alley and pen plan," says Mr. Cuff, "is that it can be modified and adapted to the needs of each farm or ranch. But

the fact remains a real need exists for better holding, sorting, loading, spraying and treating livestock on nearly all farms."

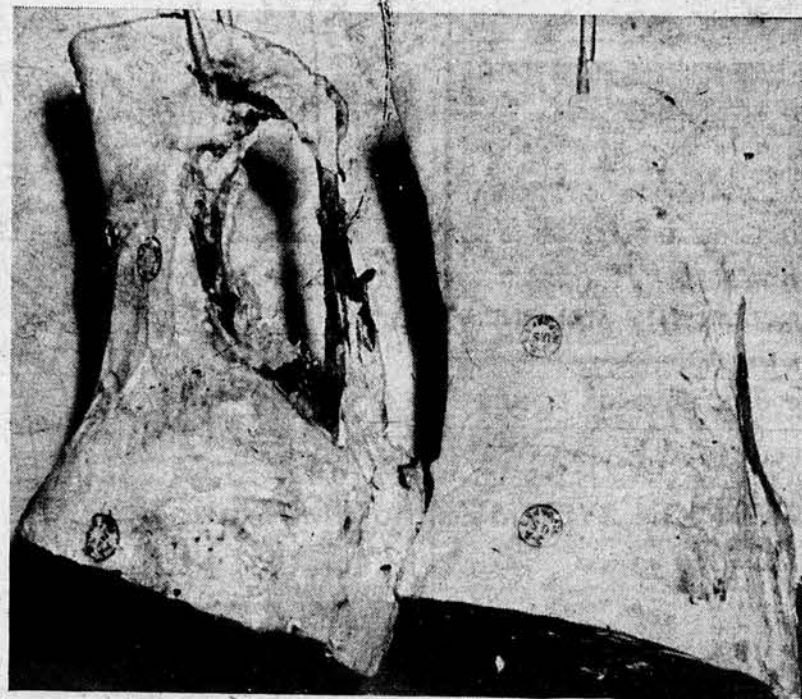
Discussing bruise losses that annually occur to livestock, Mr. Cuff says: "Most bruise damage occurs at loading time. Few realize the 1949 national loss in market-bound slaughter animals, for instance, amounting to about 32 million dollars from deaths, crippling and bruising."

Bringing this loss down to terms that mean something to all of us, Mr. Cuff goes on to say: "Much of this careless handling of livestock will stop when growers realize the average bruise tax on each livestock farm amounts to about \$40 a year."

According to Mr. Cuff a Kansas City packer ran a once-a-week test over a 3-year period on good and choice butcher hogs, selected at random from rail and truck deliveries. The company found 36 per cent of the test hogs were bruised enough that trimming was necessary. Of this number, 48 per cent of these bruises were on high-priced cuts—hams. Bruise causes were 42 per cent by canes, whips or clubs, 20 per cent by kicking or prodding, 15 per cent by crowding and trampling, 12 per cent by nail punctures, 1.7 per cent spreaders and 8.5 per cent were due to other causes.

About 62 per cent of all bruises were man-made and the average dollar loss was 40 cents a head. About half of all bruises occurred at loading time on the farm.

(Continued on Page 29)



LOIN DAMAGE like this occurs when cattle are jammed thru narrow truck gates in loading.



TYPICAL LOADING scene like this shows how loin and rib bruises occur.

Similar tests on cattle, reports Mr. Cuff, showed that 39 per cent were bruised. Crowding caused 62.1 per cent of these bruises. About 71 per cent of this bruising apparently occurred at loading time at the farm or ranch. Average dollar loss due to bruising was \$2.04 a head, or about \$50 a carload.

"Too many truckers," says Mr. Cuff, "are faced with the problem of having to help round up, sort and load livestock on farms with entirely inadequate loading facilities. The suggested utility alley shown in this article is a timesaver benefiting both the farmer and the trucker."

"Truckers will be interested in use of the squeeze gate," says Mr. Cuff, "because it is a great help in loading cattle and hogs. Get animals ahead of the gate and just follow it around while the hogs and cattle load themselves. The driver is back of the gate and out of position to kick or pound animals being loaded. Gates can be hooked while the last stubborn animal finds out there is only one way to go, and that is up the loading chute."

Causes of Bruises

Narrow endgates on trucks cause much bruising because 2 animals try to squeeze thru at the same time, says Mr. Cuff. Such jamming in narrow truck openings is a main cause of bruised loins and ribs—2 most costly beef cuts.

How can we work with trucker and railroad to prevent bruise losses? Mr. Cuff outlines these 12 points for grower and carrier:

1. Use good loading chutes.
2. Partition mixed loads of livestock.
3. Use wide, open-endgate trucks.
4. Provide good footing, bed with sand.
5. Provide proper seasonal ventilation to prevent hogs from piling.
6. Prevent overcrowding.
7. Wet sand bedding in summer and cover with straw in cold weather.
8. Tie all bulls.
9. Use canvas slappers and not canes or clubs.
10. Allow animals to load and unload slowly.
11. See that all inside projections are removed from trucks and cars.
12. Keep livestock comfortable.

Annual 4-H Round-up Set for May 29-June 2

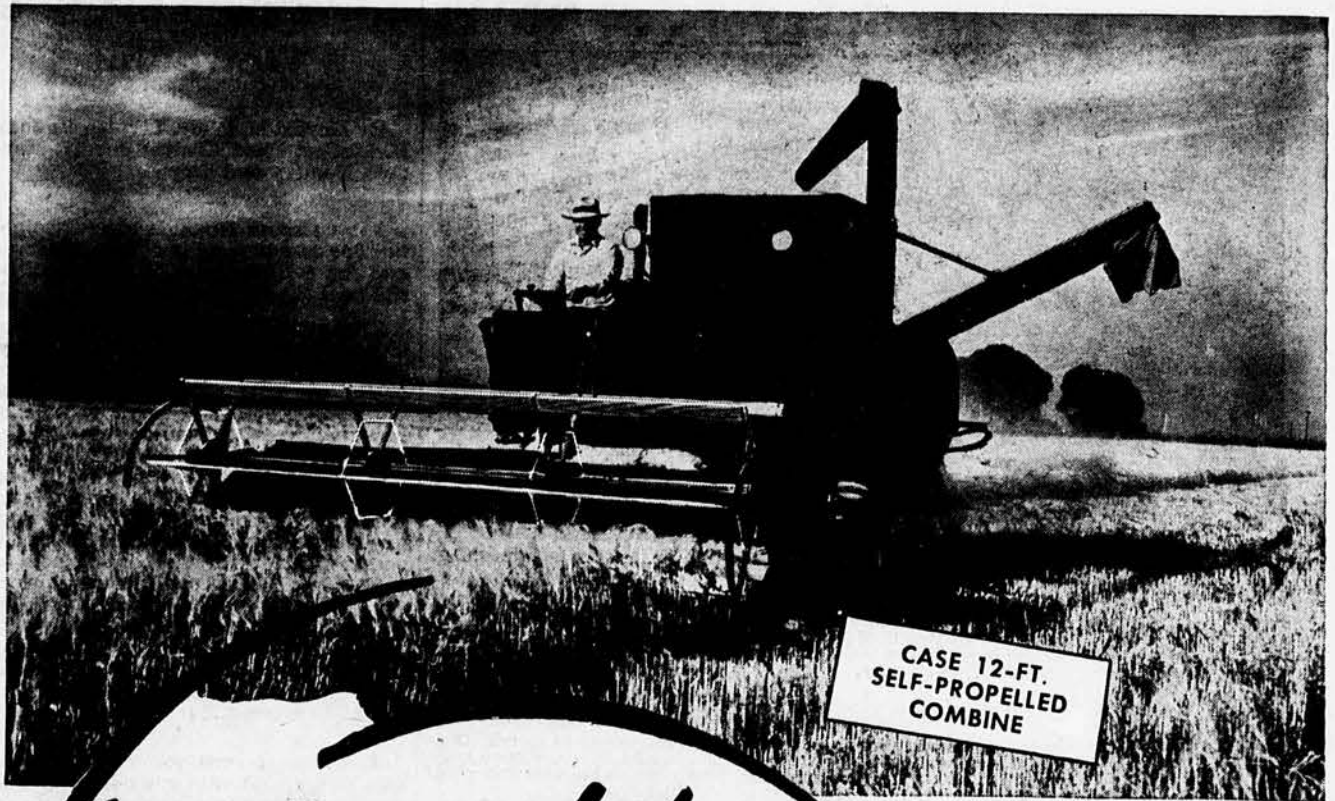
The 27th annual 4-H Club Round-up at Kansas State College will be May 29 thru June 2. Mary Elsie Border, assistant state club leader, says 1,250 high school 4-H Club members will be in Manhattan for the event. There will be 5 days of classes in agriculture, home economics and junior leadership. One day will be spent at Rock Springs Ranch, state 4-H camp. All delegates will wear the regular 4-H uniform at the round-up. Winners of district 4-H festival competitions will attend the event and vie for state honors. Washington trip winners will be honored.

Hold District Dairy School

Anton Strafus, member of the Manhattan chapter of FFA, was top individual scorer in Topeka District Dairy Judging School April 14. The event was held at Smith-White Farm west of Topeka. Alma had high-scoring team. Nearly 125 FFA members from nearly every Eastern Kansas county took part in the competition. Four classes of Holstein-Friesian cattle were judged. The Highland Park chapter was host.



"I find it hard to believe that a machine is afraid of lightning!"

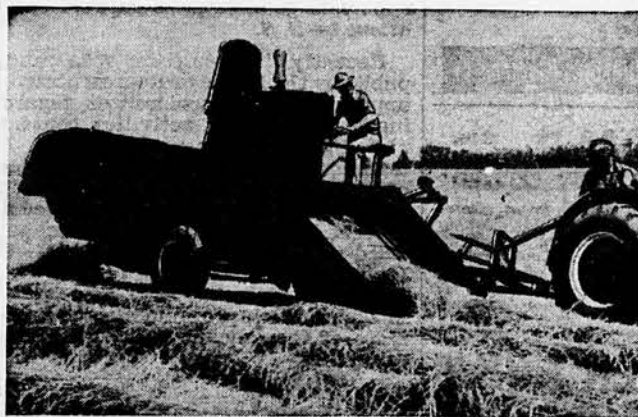


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—FRANK KLENTZ JR., Nebraska

"I cut 1600 bushels of wheat in a day with my Case 'SP-12' Combine—more than 200 bushels per hour in a yield of 25 to 30 bushels per acre. This is the finest machine I ever owned," writes Mr. Klentz. "The rub-bar cylinder has the right speed and easy concave adjustment to give me fast work in most any condition. Straw rack has plenty of length for complete separation; it looks like the straw stretches out as it goes over the rack. There is nothing to it to set the sieves and the wind just right for getting mighty clean grain. The hydraulic header is easy to work, and it takes only three minutes to stop and unload my grain bin. I've seen a lot of combines but this is the best."



BIG-CAPACITY PULL-TYPE COMBINES

Case pull-type combines with hydraulically-controlled auger headers and undershot feeder rakes are ideal for large acreages of grain usually in condition for harvest as a standing crop. Pick-up can be used for windrowed grain and seed crops. Choice of rub-bar or spike-tooth cylinder, to suit prevailing crops and conditions. Shown at right is 12-foot Model "K-2." Nine-foot Model "M-2" is similar.

Variable-speed drive of Case Self-Propelled Combines gives a wide range of field speed without stopping or shifting gears. You go faster or slower, as the crop varies, to keep machine working at ideal capacity for fast, clean performance. Both 9 and 12-foot sizes are driven by the steady, eager power of Case tractor engines.

All Case Combines, including the low-cost 5-foot Model "F-2," have Case Air-Lift cleaning. Its balanced air pressure floats away chaff and dirt, keeps sieve openings clear, lets seeds fall free and clean. See your Case dealer now about the size and type that fits your operations.

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For grain that is rank, tough and tangled... for tight-hulled legumes and fluffy grass seeds... for fragile beans and peas... for windrow work as well as standing crops... nothing equals the 6-foot Case Model "A"—the combine that's built like a thresher. Growers of the new money seed crops, for forage and soil conservation, say it saves more seed per acre, harvests extra acres per day. Spike-tooth cylinder is standard equipment, rub-bar cylinder optional.



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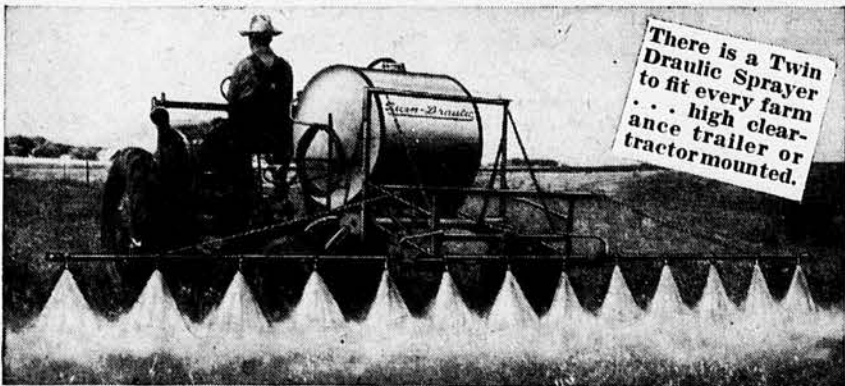
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| | <input type="checkbox"/> Windrowers |
| | <input type="checkbox"/> Automatic Haler |

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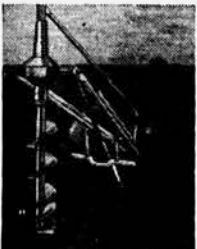
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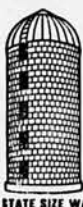
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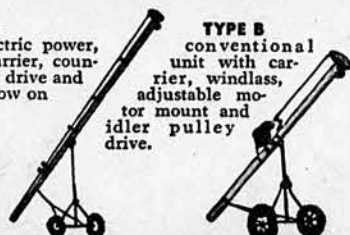
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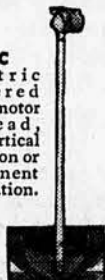


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Dept. 4139 SALINA, KANSAS.

Marketing Viewpoint

By Harold M. Riley, Livestock; John H. McCoy, Feed Grains; Joe W. Koudele, Poultry and Eggs.

I have some Holstein steers weighing 800 to 900 pounds I have wintered and fed a little grain. When would be the best time to sell?—C. G.

These plainer slaughter cattle usually sell to best advantage during May. This spring prices for these kinds of cattle are in a particularly favorable position, due to the small volume of low-quality cattle being offered on the market. The strong demand for both breeding stock and cattle to stock pastures and feed lots has reduced the potential market supply of the lower grades of slaughter cattle. With consumer demand for meat being held at a high level by record incomes, prices for the lower grades of beef should be in relatively strong position and would be expected to crowd against ceiling levels during May. There is no specific indication as to how ceiling prices might be altered if revisions are made.

I will need corn for cattle feeding this summer. Would you advise buying now or waiting until summer?—B. M.

The situation at this time indicates corn should be purchased now. Corn prices normally advance seasonally from now until midsummer, and it appears at present as if about the only thing which would cause a reversal of this tendency would be an easing of the international situation. Most other factors point to a strengthening of corn prices until new crop prospects can be appraised.

There is less corn on farms available for feeding than a year ago, and feeding demands are heavier. The balance between supplies and expected disappearance is tighter than during last season. Supplies of corn are sufficient for expected needs during the remainder of the crop year, but the carryover will be reduced. As the year progresses new crop prospects will exert more and more influence on prices. Large plantings of grain sorghum on abandoned wheat acreage may be a factor in feed grain prices but will not exert its full influence until later in the season.

Does the government plan to buy any eggs this year in price-support operations?—E. S.

Recently, information was made public by the House of Representatives appropriations subcommittee regarding price support activities contemplated by governmental agencies. In testimony submitted to this committee, officials of the Commodity Credit Corporation of the USDA estimated at present they do not expect to buy any dried eggs between now and July, 1952. However, CCC does plan to use "Section 32" funds to buy shell eggs for use in school lunch program altho no estimate of the amount to be purchased was given.

Soil Judging Contest Held

Soil study was topic of the day at the Land Judging School and Contest at Lyndon April 25, reports Walter W. Campbell, county agent. The event came about thru requests by veterans and instructors.

During the morning, the group became acquainted with various terms and treatments recommended by the Soil Conservation Service and Extension representatives, who were in charge of the event. Waldo Tate, soil scientist working in conservation district No. 9 with headquarters in Ottawa, discussed "Land Classes." H. L. Gamble, district conservationist in Osage county, spoke on "Land Treatment." Harold Harper, Extension conservationist, discussed a judging card used in the soil-judging contest at the farms of Irving Niles and R. S. Kiddoo. Soil was studied and judged, points were given for correct placings and treatment recommendations.

High-point man for the day was Lloyd Bryson, Osage City, who scored 147 points out of a possible 150. He is a member of the veterans' training class in Osage City, with W. W. Coffman as instructor.

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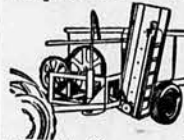
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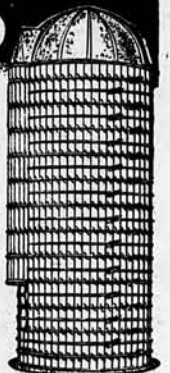
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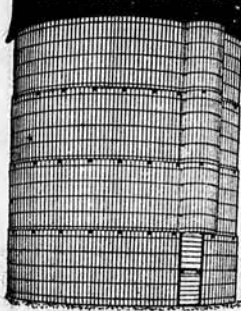
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Farm Parity

(Continued from Page 5)

ability compares with the salaries of business firm managers who represent one of the highest paid groups in the country."

Then he placed in the record the following table, covering 4 years, of hourly earnings in agriculture, compared with hourly wages of workers in 3 other lines:

	1947	1948	1949	1950
Farm people	.94	.86	.70	.89
Manufacturing workers	1.24	1.35	1.40	1.46
Building const. workers	1.68	1.85	1.94	2.03
Retail trade workers	1.01	1.09	1.14	1.17

Brannan showed a return of 5 per cent interest on the farmers' total investment in farm real estate, livestock, equipment, and working capital. Federal Trade Commission records, he said, showed profits on net corporate investment, after corporation taxes, of all manufacturing corporations to have been 15.6 per cent in 1947, 16.1 per cent in 1948, 11.7 per cent in 1949, 15 per cent in 1950.

"If our computations allowed for farms the same interest on investment that manufacturing corporations had in 1950," Brannan insisted, "the remaining income would represent wages for farm people's labor of only 13 cents an hour."

"On the basis of conditions the first 4 months of this year, it appears the farmer's hourly earnings for 1951, computed in the same way as the 1950 figure, may average somewhere around 90 or 95 cents. But that still is well below the most recent estimates of hourly earnings of all factory workers—\$1.56 an hour as of February, 1951."

Moreover, he continued, farm operators' income fell 27 per cent from 1947 to 1950. During the same period, the national income increased about 16 per cent.

Discussing food prices relative to consumer incomes, Secretary Brannan had this to say:

"If we are going to consider average increases in food costs, it is only fair to consider also average increases in the ability to buy."

"An hour's earnings in a factory may buy less of some things, but it will buy more food. Compiled from Bureau of Labor Statistics data, here are some comparisons."

Bread: Average returns from an hour of factory labor will buy about the same number of loaves of bread (10) as in 1949, one fourth more than 1939, over one half more loaves than in 1929, twice as many as in 1919, and 2½ times as many as in 1914.

Round steak: An hour of factory labor in February, 1951, bought almost as much (1.5 pounds) as 1949 (1.6 pounds); one sixth less than in 1939 (1.8 pounds); one fourth more than in 1919; two thirds more than in 1914.

Butter: Average wage return for an hour of factory labor at the start of this year would buy the same amount of butter as in 1939 or 1949 (1.9 pounds all 3 years); nearly twice as much as in 1929 (1 pound); not far from 3 times as much as in 1919 (0.7 pound); and more than 3 times as much as in 1914 (0.6 pound).

Other items: The same hour's work in the factory also will buy more milk, eggs, oranges, potatoes, and bacon than it would in 1949, 1939, 1929, 1919 or 1914.

"Americans spent for food last year a smaller share of their disposable income (income after direct taxes, chiefly income taxes) than they did in 1947, 1948 or 1949—and the same share as in 1946," continued Mr. Brannan.

"Their expenditures for food and the various services which come along with it, including restaurant service, last year amounted to 27 per cent of their total expenditures for goods and services—compared to 28 or 29 per cent in every other year since 1941.

"If we had been satisfied with the same kinds and quantities of food we bought in 1935-39 with 23 per cent of our disposable income, it would have cost us only 18 per cent of our 1950 disposable income."

"But Americans are eating a higher quality diet than they consumed in 1935-39. They are eating about one eighth more food per person and are buying more services along with their food."

"Consumers are paying as much for the marketing and distribution as for the production of their food. In January, 1951, a typical market basket of food for a family of 3 was costing at the rate of \$709 a year. Marketing costs were taking \$352 and farmers \$357."

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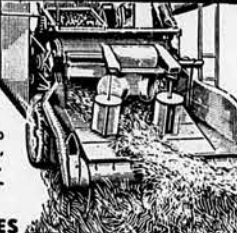
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**Spratt Is Deputy
Savings Bond Director**



Eugene Spratt

Eugene Spratt became deputy state director for the U. S. Savings Bond Division of the Treasury Department in Kansas, effective May 1. Announcement is made by Evan Griffith, state Savings Bond Chairman.

Prior to the appointment, Mr. Spratt served as publications editor for the Kansas State Board of Agriculture 4 years. He will continue to work with farm groups, will concentrate a major portion of his time working with farm leaders and agricultural industries encouraging Savings Bonds as a part of farm financial programs.

A native Kansan, he was born in Franklin county, attended Ottawa high school, and graduated in agricultural journalism from Kansas State College. In 1946, he received the Arthur Capper Award for outstanding achievement in agricultural journalism. Before joining the State Board of Agriculture, Mr. Spratt was associate editor of American Poultry Journal in Chicago.

Roy Freeland, secretary of the board, said Mr. Spratt helped modernize the entire board publication program, publish many new books and revised copies of other publications.

**Competes for
National Honor**

Leonard Chamberlain, Olpe, state champion Holstein 4-H Club boy for Kansas for 1950, now is competing for national honors. The Holstein-Friesian Association of America announces his records are being compared with other state winners for the honor of National Champion Holstein 4-H boy.

Leonard, 15-year-old 4-H'er with 6 years of outstanding work to his credit, keeps up projects in dairying, wheat, corn, soybeans and alfalfa. He has won many dairy honors.

**Study Biological
Warfare Defense**

Ways to detect, identify and control outbreaks of major diseases and pests that might attack men, livestock and plants are being organized by the Kansas Biological Warfare Defense Committee. Few realize the possible extent of dangers to Kansans from biological warfare, said Prof. L. E. Melchers and V. D. Foltz, of Kansas State College, members of the 6-man committee. Attacks could be made by enemy forces or agents against people, animals or food crops.

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A new edition of the book, "Fishing—What Tackle and When," is just off the press. Its 104 pages are full of information dear to the heart of the fisherman. First principles of fly casting with illustrations are given, also tackle tips and hints, combination spinning rod and fly rod, rules and regulations of the game, "Skish," as well as much other information. Included are full-color illustrations of species of fish and salt-water fish. A copy of this book will be sent upon request to Farm Service Editor, Kansas Farmer, Topeka. There is no charge.

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Get Hy-Line Hybrid Chicks now. Kind you need for high egg production. May-hatched Hy-Lines start heavy egg production in October. For years Hy-Lines have averaged 25% more eggs than standard-bred or crosses in farm tests. Farmers conducting this year's tests report: "An extra case of eggs per month per 100 Hy-Lines over other chickens." Send for report of these tests. Take advantage of high egg prices next fall with Hy-Lines. Get Hy-Line Chicks. Compare results. Learn for yourself. Seasonal reduced prices on Hy-Line Chicks now. Free catalog. Write today. J. O. Coombs & Son, Box 6, Sedgwick, Kan.

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

Low Priced, High Quality AAA and AAAA Chickens. Profitable layers. 100% pullets tested. New Hampshire Reds, White Rocks, Barred Rocks, Wyandottes, Production Reds, Austra-Whites, Hamp-Whites, Leghorns, \$9.95 per 100. Heavy cockerels \$7.90. Pullets \$14.95. Hybrid cockerels, \$3.95. Mixed cockerels \$1.95. Leftovers \$2.95. 100% alive. Free catalog. Pleasant View Hatchery, Gerald, Mo.

White, Barred Rocks, Hampshires, Reds, Wyandottes, \$8.95; pullets, \$12.95; cockerels, \$10.95. Big White, Brown Leghorns, \$8.95; pullets, \$14.95. Austra-Whites, Black Minorcas, \$9.95; pullets, \$15.95. Heavies, \$8.95; mixed, \$7.95; Leftovers, \$5.95; Fryers, \$4.95. Barnyard special, \$3.95 up. FOB. 100% alive. Free catalog. Rush Hatchery, Clinton, Mo.

Bargains—AAA Barred, White Rocks, Reds, New Hampshires, \$8.90. Pullets \$12.90; Cockerels \$8.40; Large Egg-Bred Brown, White Leghorns; Austra White, \$8.90; Pullets \$15.90; Heavies \$6.95. Leftovers \$3.95. Eating Special \$2.90. Assorted Pullets \$11.90. Surplus \$2.50. FOB. Quality Hatchery, Clinton, Mo.

White, Barred Rocks, Hampshires, Wyandottes, \$8.90; pullets, \$12.95; Fancy White, Brown Leghorns, Minorcas, Austra-Whites, \$9.90; Pullets, \$14.95. Heavies, \$8.95; Mixed, \$8.95. Assorted, \$4.95. Odds-ends, \$3.95 up. FOB. 100% alive. Helpful folder. Clinton Chick Store, Clinton, Mo.

Large White, Brown Leghorns, Minorcas, Austra-Whites, Rocks, Hampshires, \$8.95; pullets, \$13.95. Heavies, \$8.95. Mixed, \$7.95. Table special, \$4.95. Ducks Mixture, \$2.95 up. 100% alive. FOB. Catalog. Thompson Chicks, Springfield, Mo.

Big White Leghorns, Austra-Whites, White, Barred Rocks, Hampshires, \$7.95; Pullets, \$11.95; Heavies, \$6.95. Table Special, \$4.95. Mixed Surplus Assorted, \$2.95; Fryers, \$1.95 up. 100% FOB. Hi-Grade Chicks, Deepwater, Mo.

Contrell's Famous Purebred, blood-tested ROP sired, U.S. Approved genuine Husky New Hampshire chicks—the kind that live, grow, lay and pay. Free circular. Contrell Poultry Farm & Hatchery, Carthage, Mo.

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

Superfine Chicks, eggs, White Giants, Black Giants, Buff Minorcas, Silverplaced Wyandottes, Anconas. Other breeds. Literature. Thomas Farms Hatchery, Pleasanton, Kan.

● TURKEYS

COLONIAL TURKEY POULTS

Championship bloodlines in national and dressed shows. Tube tested. Lower-cost gains, earlier maturity, higher market quality. Superior breast fleshing. Broadbreasted Bronze and Beltsville Whites. Spring Sale. Catalog Free.

COLONIAL TURKEY HATCHERY, Lamar, Colorado

● BABY CHICKS

Helm's Pullorum Clean Chicks. Certified Leghorns, Brown Leghorns. Holder three world records. Purebreds, crosses. Immediate delivery. Illinois Hatchery, Metropolis, Ill.

● DUCKS AND GESE

DeVries Mammoth White Pekin Ducklings hatched from our own two and three year old breeders. 12—\$4.20; 25—\$7.50; 50—\$14.00; 100—\$27.00; prepaid. Top quality. None finer. Order from ad or send for free catalog. DeVries Poultry Farm, Zealand, Mich.

Mammoth Pekin Ducklings, top breeding, grow fast, 12—\$3.75; 25—\$7.25; 50—\$14. Muscovies, 12—\$4.20. Runners, 50—\$14. Toulouse, Embden, Chinese, African goslings. Write Richardson, Box 121, Brownell, Kan.

Geese, Goslings, Goose eggs. Safe shipment anywhere. Bulletin, magazine on breeding, hatching, rearing, marketing. Peyton Goose Farm, Route 2CK, Duluth, Minn.

Mammoth Toulouse Goslings—Goose Eggs. Pigeons. Free booklet—hatching, raising goslings. Gebhardt Farm, Muscatine, Ia.

● JERSEY GIANTS

Superfine Chicks, eggs, since 1922. White Giants, Black Giants. Best for capons. Literature. The Thomas Farms, Pleasanton, Kan.

● MINORCAS

Superfine Chicks, eggs, since 1925. Golden Buff Minorcas. Literature. The Thomas Farms, Pleasanton, Kan.

● WYANDOTTES

Best Quality Silverplaced or White Wyandottes—Chicks, eggs. Literature. The Thomas Farms, Pleasanton, Kan.

● POULTRY—MISCELLANEOUS

Peafowl, Swans, Pheasants, Guinea, Bantams, Ducks, Geese, thirty varieties Pigeons. John Hass, Bettendorf, Ia.

Pheasant Eggs, Ringneck and Mutant. Also Ringneck cocks. Harold Gatlin, Louisburg, Kan.

● PLANTS AND NURSERY STOCK

Strawberry Plants—Certified Baltimore, Dunlap, Aroma, Klondike and Klondike 100—\$1.00; 500—\$4.50; 1,000—\$8.50. Giant Robinson and Premier, 100—\$1.25; 500—\$5.50; 1,000—\$9.50. Everbearing Strawberries—Large, thrifty plants, will bear this year. Mastodon Gem and Streamliner, 50—\$1.25; 100—\$2.50; 200—\$4.50. Thornless Boysenberries, 25—\$2; 100—\$7.50; 200—\$14.50. Rhubarb, 10—\$2; 25—\$4.00. 12 Large Rhubarb, \$1.25. Asparagus, \$1. Special offer, 100 Dunlap and 50 Gem Everbearing, \$2. Everything postpaid. Other hardy mountain grown plants. Price list free. Ideal Fruit Farm, Stillwell, Okla.

Vegetable Plants—Large, stalky, well rooted, hand selected, roots mossed. Tomatoes—Earlana, John Baer, Marglobe, Bonny Best, Rutgers, 200—75c; 500—\$1.00; 1,000—\$1.50; 1,000—\$2.50. Cabbage—Wakefields, Dutch, Copenhagen, 200—75c; 500—\$1.00; 1,000—\$1.25. Onions—White Bermuda, Yellow Bermuda, Sweet Spanish, 500—\$1.00; 1,000—\$1.75; 2,000—\$3.00. Pepper—California Wonder, Chinese Giant, 50—40c; 100—60c; 200—\$1.00; 500—\$2.00; 1,000—\$3.50. All postpaid. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Tex.

Strawberry Plants—Hardy northern grown, double insped. Dunlap, Beaver, Blakemore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Giant Robinson, Bellmar 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem, Streamliner, Minnesota 1166 everbearing 100—\$2.25; 500—\$10.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Iowa.

Plants: Potatoes—Portoricos, Red Velvets, Nancy Halls, Bunch Portoricos, Cabbage—Dutch, Copenhagen, 500—\$1.75; 1,000—\$3.00; 3,000—\$8.50. Tomatoes—Rutgers, Stones, Postpaid. Satisfaction guaranteed. Bruce Rhodes, Malvern, Ark.

State Inspected Potato Plants, Nancy Hall, Porto Rico, Red Velvet. Leading varieties Cabbage and Tomato. 300—\$1.25; 500—\$1.75; 1,000—\$3.00; 3,000—\$8.50. Prepaid. A. O. Bowden, Route 2, Russellville, Ark.

Chinese Elm—World's fastest growing shade tree, 8 feet high, large caliber with bushy tops, \$1 each by express collect. Ideal Fruit Farm, Stillwell, Okla.

Sweet Potato Plants: Nancy Halls, Yellow Yams, Portoricos, Red Yams, 500—\$1.15; 1,000—\$2.00. Wholesale Plant Co., Gleason, Tenn.

Certified Sweet Potato Plants, Bunch Porto Rico variety. Write for prices. Leeland Farms, Leesburg, Ga.

● FLOWERS AND BULBS

Gladliol Bulbs—Large flowering varieties. All white, or cream, or rainbow mixture. While they last, 200 bulbs over 1 1/2 inch circumference for \$1.00; 100 bulbs over 1 inch circumference for \$2.50; 100 jumbo bulbs over 5 inch circumference for \$3.50. Or two generous quart of bulbs and small bulbs for \$1.00. Prepaid. Order now! Pathfinder Glad Gardens, Gravois Mills, Mo.

Iris—Grand color mixture, 10 Dwarfs no two alike, unlabeled \$1.00, or 40 Tall Bearded (2 each of 20 varieties) unlabeled \$2.00 postpaid. Free flower catalog. Salina Flower Farms (successor to Fair Chance Farm), Box 539KF, Salina, Kan.

Gladliols, 120 Giant Exhibition Varieties, Giant Dahlias, Tuberous Begonias, Lilies, Cannas. Money-saving specials. Free catalog. Foley Gardens, Freeport, Ill.

● MACHINERY AND PARTS

V-Belt Drives for all IHC Self-Propelled combines: IHC 122, 22, Case A6, A, B, C, H, K, M, P, Holt-Caterpillar 34, 36; John Deere 55, 17, 5, 5A; M-M Jr., G2, G3, G4; Cockshutt reel. Write for free descriptive literature for your machine. Farrar Machine Shop, 111 Main, Norwich, Kan.

"Factory-Close-Out-Sale." Save 50%. 131 top quality, guaranteed all brass Wood Spray Outfits. Complete with boom, nozzles, direct drive tractor gear pump, hose, etc. \$84.50 prepaid. Order promptly. Send for bargain catalog. Burdon Sales Company, 877 "O" St., Lincoln, Neb.

Sprayers—Over 100 demonstrators and used sprayers, both high and low pressure. These machines are guaranteed and priced at a big savings from \$75.00 to \$1,800.00. We have sprayers for every job. Evans Orchard Supply Company, 305 Delaware St., Kansas City, Mo.

New and Used Tractor Parts—Write for big, free 1951 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Company, Des Moines 3, Ia.

Easy Shift for WC Allis Chalmers—repairs wobbly worn out gear shift in few minutes. \$6.95 postpaid. Free information. Easy Shift Mfg. Co., Fairfield, Neb.

For Sale—3 1947 model 123SP combines, Glenn Tonkinson, Stillwater, Okla.

● REMEDIES—TREATMENTS

Free Book—Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C606, Kansas City 3, Mo.

● LIVESTOCK ITEMS

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

Are You Without Adequate Veterinary service? Write us your livestock problems. 2 consulting veterinarians to advise you. Special Penicillin mastitis ointment 65c per tube. Animal Clinic Products Co., 2800 Pendleton Ave., Anderson, Ind.

● DOGS

Black Shepherd English Puppies. Breeder for 30 years. 10c for pictures and prices. H. W. Chestnut, Chanute, Kan.

Rat Terrier Puppies, bred for raters. Crusaders Kennels, Stafford, Kan.

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

● RABBITS AND PIGEONS

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

● FARM EQUIPMENT

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

We Sell Rain: Flood-Gated-Sprinkler Irrigation (New Coupler adds no weight). Also Garden Tractors. Dealers wanted. Conrad's, Gaylord, Kan.

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

● FILMS AND PRINTS

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

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

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

● EDUCATIONAL

TOPEKA'S AUCTION SCHOOL Offers complete Training Facilities in Auctioneering. Spring classes open now. Train for a good paying career. Money-back guarantee. Call or write 1212 West 8th, Topeka, Kan.

● AUCTION SCHOOL

Learn Auctioneering. Three week term soon. Taught by leading auctioneers. Write Missouri Auction School, Dept. 22, 3429 Troost Avenue, Kansas City, Mo.

● 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, 217 East Williams, Wichita, Kan.

● BUSINESS OPPORTUNITIES

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

● WANTED TO BUY

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

● 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, pumping costs. Postcard brings free details. Burson Laboratories, Dept. E-54, Chicago 22, Ill.

Ladies Full Fashioned Nylons: 3 pairs mill rejects and 1 pair select grade \$1.00. Postpaid. Prompt delivery. Satisfaction guaranteed. Mid-South Hosiery Co., Cohutta, Ga.

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

Read Capper's Weekly and receive a gift. It's the most interesting and informative weekly newspaper you have ever seen. Write Capper's Weekly for details. Circulation Department K. Topeka, Kansas.

● FEATHERS WANTED

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

● FARMS—MISCELLANEOUS

New Free Summer Catalog just off press! Farm and country real estate bargains, good pictures, many states, easy terms, many equipped, business opportunities. For special service, state requirements, desires, location. United Farm Agency, 2825-KF Main St., Kansas City 8, Mo.

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

● LIVESTOCK ADVERTISING RATES

Effective February 1, 1951
1/4 Column inch (5 lines) \$3.50 per issue
1 Column inch \$9.50 per issue
The ad costing \$3.50 is the smallest accepted.

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

MIKE WILSON, Livestock Editor
912 Kansas Avenue
Kansas Farmer - Topeka, Kansas

● KANSAS CERTIFIED SEED

KAN. CERTIFIED SEED

Fields examined before harvest by competent inspectors. Kansas Certified Seed must be labeled with the official tag which when properly filled out complies with Kansas Pure Seed Law. These protective measures are your guarantee of superior seed.

Kansas Crop Improvement Assn.
MANHATTAN, KANSAS

KANSAS CERTIFIED HYBRID SEED CORN

K1639 - K1784
K1585 - US13

Certified Achenbach Brome
Grass Seed
CARL BILLMAN
Holton, Kansas

KANSAS HYBRID SEED CORN

K1583 K1585 K1639
Farm and Home Supply
Maurice Davidson
Phone 120 or 8F22 Thayer, Kansas

CERTIFIED ATLAS SORGO

1950 Crop. Germination 89%. Purity 98.85%. Price \$7.50 per hundred.
T. MAX REITZ, Belle Plaine, Kansas

CERT. ATLAS SORGO

1950 Crop. Germination 89%. Purity 89.85%.
T. MAX REITZ
Belle Plaine, Kansas

CERTIFIED ATLAS SORGO

Grown from seed selected from stalks of high sugar content. Germination 86%. Purity 99.5%. Price \$7.00 cwt. Also non-certified Atlas Sorgo. Germination 83%. Purity 99.5%. Equally high sugar content. Grown in properly isolated field. Price \$5 cwt. P. F. Hansen, Hillsboro, Kan.

Certified Wabash Soybeans

Germination 95%. \$4.25 bushel, new 100-lb. bags. Certified Axtell Sorgo from field selected heads \$8.00 cwt. Samples on request. Chamberlin Seed Farm, Carbondale, Kan., 4 miles east, 50 N-75 Junction.

Certified Seed of U.S. 13, K1784, Wabash Soybeans

and Midland Milo. Harold Staadt Seed Farm, Ottawa, Kan.

Certified Blackwell Switchgrass Seed

62% germination. 99.5% purity. Brannan's, Box 7, Meade, Kan.

FOR THE TABLE

HONEY 60-lb. Can \$10.50
Nice, light, mild honey. Satisfaction guaranteed.
HAHN APIARIES, 1715 Lane St., Topeka, Ks.

OF INTEREST TO ALL

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Burson Laboratories, Dept. E-54, Chicago 22, Ill.

Save Chickens Feed! Don't feed the sparrows

high priced chicken-feed. My homemade trap guaranteed to catch them by the dozens. Easy to make. Plans 10c and stamp. Sparrowman, 1715 Lane, Topeka, Kan.

Outdoor Toilets, Septic Tanks, Cesspools cleaned

deodorized. Amazing enzyme powder saves digging, pumping, moving. Details free. Solvex Products 5, Monticello, Ia.

Fish Bait—Over 20 recipes and suggestions only

10c and stamp. Many favorable reports received. K. F. Fisherman, 1715 Lane, Topeka, Kan.

Write Newcomer's, 46th-Paseo, Kansas City, Mo.

for free booklet on Cremation.

Livestock Advertising Rates

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MIKE WILSON, Livestock Editor
912 Kansas Avenue
Kansas Farmer - Topeka, Kansas

Read the Ads In This Issue

There's a world of helpful information in the scores of advertisements in this particular issue of the Kansas Farmer.

Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.



IN THE FIELD
MIKE WILSON
Topeka, Kansas
Livestock Editor

The NATIONAL MILKING SHORTHORN CONGRESS, sponsored by the American Milking Shorthorn Society, Springfield, Mo., was most successful from every angle. More than 300 breeders representing about every state (with one cattleman from South America) participated in the 2-day event which started at 1 P. M. on April 27, at Springfield.

A classification school was held in the coliseum at the Ozark Empire fair grounds at 1 P. M. Naturally, with so many well-versed breeders on hand, the placing of the 6 cows for demonstration created a great deal of interest. The classification school was a forerunner of the big National Congress Sale which started at 1 P. M. on April 28. At 7 P. M. a crowd of 300 Milking Shorthorn folks attended the banquet at the Ozark Garden Room in Springfield. Milking Shorthorn breeders did a good job of entertaining themselves with a 1-hour program which was put on exclusively by breeders or members of their families. Sec. W. J. Hardy briefly outlined the accomplishments of the work of the association during the past year and stated that 1,011 new members had been added in 1950. During 1951, 500 new members had joined thus far. April 3, 1951, was the anni-



A Combination Wagon Box, Unloader, Blower, Elevator, Feed Mixer in 1 Machine!

GRAIN-O-VATOR

OR THE NEW AUT-O-BOX

Put your load where you want it without the time taking, back breaking labor of scooping! A compact Automatic Wagon Box designed for years of service!

Write Today for Complete Details!

See Your Local Dealer or Write

M. V. "BUD" WELCH
STRONG CITY, KANSAS



KOSCH FRONT MOUNTED MOWER
You've always wanted a Front Mounted Mower. Now it's here. With a Kosch, you see where you're going—see where you're mowing. Mount in a few minutes. Never before has mowing been so fast and easy. All points of wear are Standard IH parts, including bar sickles and pitman. Thousands satisfied users. Learn why KOSCH MOWER is Best. Available for Farmall, John Deere, Allis Chalmers, Ford, Ford-Ferguson, Ferguson, and other make tractors. Get all the facts. Specify make and model of tractor. Write for FREE literature today.

KOSCH MFG. CO., Dept. E-7, Columbus, Nebr.

Orders Still Filled Complete

KOROK SILO

Authorities Anticipate Material Shortages

If you want your silo up this season—you'd better let us know now. Grass silage comes early—and there's nothing better than a KOROK for preserving any crop. Send for free booklet.

INDEPENDENT SILO COMPANY

777 Vandalia Street • St. Paul 4, Minnesota

versary date for establishing the new headquarters of the association at Springfield. On that date, registration number 100,000 was issued. The society shows a 25 per cent increase in all departments during the past 12 months, which indicates the increased interest in this dual-purpose breed.

Saturday, April 28 at 10 A. M., a parade of sale cattle was held in the coliseum, and at 1 P. M. the sale got under way. Thirty-six lots were sold. Two lots of the 36 had small calves which were sold separate from their dams. The 36 lots averaged \$1,053. The first 10 lots to sell averaged \$1,372.50, with the 2 high-selling females in the first 10 lots. The high-selling cow at \$2,500 was consigned by Lilydale Farm, Springfield. The 2nd high-selling cow, at \$1,750, was consigned by McSon Farm, Weaubleau, Mo. Nothing selling was over 7 years old and it was an all-female offering. Fourteen head sold for \$1,000 or more, and with the exception of the 2 small calves, the low-selling female was \$600.

Kansas buyers were Delane Hinkle, Powhattan; Retnuh Farms, Geneseo, and Nels Torkelson, Everest. Kansas consignors were Diamond A Farms, Geneseo, and Gordon L. Janssen, Bush-ton. These choice Milking Shorthorns at this sale went to the following states—Texas, 12 head; Oklahoma, 9 head; Illinois, 5 head; Kansas, Missouri and Tennessee, 3 head each; Rhode Island, 2 head, and Colorado, 1 head. Auctioneer Burritt B. Allen, Ravenna, O., sold the offering. He was assisted by Gus Heidebrecht, Inman; Roy Pauli, Broken Arrow, Okla., and Walter Kruse, Sheldon, Ia. The sale average last year was \$799 on 54 lots.

The DON SHAFFER HEREFORD DISPERSION at Hutchinson, on April 9, brought a good turnout of buyers from Kansas, Oklahoma and Illinois. Fred Koch, Wichita, was the most extensive individual purchaser at the sale. He bought 11 bulls and 28 females for a total of \$29,790. He paid \$2,100 for the top-selling bull. Col. Gene Watson was auctioneer.

The NATIONAL POLLED SHORTHORN CONGRESS Show and Sale, April 9 and 10, Springfield, Ill., averaged \$823 for bulls and \$842 on females. Seventy-three head were sold for an average of \$842. The Polled Shorthorn Society sponsored this event. Cattle were sold into 19 states and Australia. The average state was a record for this national event. Top bull at \$2,500 was purchased by Bert Fields, Dallas, Tex. This bull was consigned by Alpine Farms, Lexington. Top female at \$2,025 was consigned by W. H. McHenry Jr., Capon Bridge, W. Va. Buyer was C. B. Teegardin, Ashville, O.

Demand was keen for Hereford breeding stock in the SUTOR HEREFORD RANCH sale at the farm, near Zurich, April 17. R. G. Beeler, Glen Elder, purchased the top bull at \$865. L. E. Correll, Chillicothe, Okla., paid \$500 for a yearling bull to use on his ranch. The service of MW Mission Larry 5th was featured in the bred female section of the sale. Top female was a heifer carrying the service of this bull and selling to Darrell Carswell, Alton, for \$735. Forty-two bulls averaged \$564; 19 females averaged \$531; and 61 head of cattle averaged \$554 per head. Col. Freddie Chandler, assisted by press representatives, conducted the sale.

The MIDWEST POLLED HEREFORD ASSOCIATION ANNUAL SALE at Deshler, Nebr., April 7, was well attended. Prices paid were the most ever paid for Herefords in this sale. Fifty-one head averaged \$757; 35 bulls averaged \$831; 16 females figured an average of \$599. A. R. Madsen & Sons, Minden, Nebr., consigned the top-selling bull, which sold to A. J. Vantatwerp, Broken Bow, Nebr., for \$2,200. Elmer J. Williams, Nora, Nebr., purchased the top female at \$860. This heifer was consigned by Kenneth Kuhlmann, North Platte, Nebr. A number of this offering was purchased by Kansas buyers. Fred C. Duey, of Chester, and Vern Kuhlmann, Deshler, managed the sale. Charles Corke was auctioneer.

The SOUTHEAST KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION held its 6th Annual Sale, at Iola, April 4. A very large group of buyers was on hand to appraise the select offering of registered cattle. The top bull in the sale was an April, 1949, bull, consigned by Pleasant Valley Farms, Greeley, and sold at \$1,225 to George White, Canton. The champion female also was the top-selling female in the sale. She was consigned by Elmdale Stock Farm, Columbus, and purchased by C. T. Ranch, Miami, Okla., for \$1,500. Thirty-six bulls averaged \$601; 30 females made an average of \$592; 66 head of cattle chalked up a general average of an even \$600 per head. Clarence C. Ericsson, Savonburg, did a very fine job of managing the sale. Ray Sims was auctioneer.

Seventy-three head of registered Shorthorns sold in the MID-KANSAS ASSOCIATION SALE at Salina, April 6, for an average of \$588 per head. Forty-seven bulls averaged \$628; 26 females averaged \$517. A new record for this association was made when Patricia Lee Stauffer, New Cambria, sold her bull in this sale for \$1,525 to W. H. Roda, Paradise. Top female was a cow with heifer calf at side, consigned by Hans E. Regier, White Water, and selling at \$1,000 to Alvy Schroeffer, Ute, Ia. The 1951 offering of cattle was probably the best individuals and best conditioned set of cattle ever offered by this organization. Prices paid also were the highest this association has ever received. Merv Aegerter managed the sale. Pet Swaffer was auctioneer.

The PIKES PEAK CATTLE GROWERS recently held their 2nd annual spring sale of registered Herefords, at the sales pavilion near Colorado Springs, Colo., April 16. Top 40 bulls brought an average of \$773, and over-all average for 59 bulls was \$718.90. Top price of \$1,900 was paid by George White, Moffett, Colo., to Lars O. Prestrud, for PT Colorado Helmsman

2nd. The sales pavilion was filled to overflowing thruout most of the sale. A pre-sale banquet and dance was held, attended by more than 400 cattlemen and their ladies. Next sale of the group will offer registered Angus bulls and registered and commercial Angus cows. Sale is tentatively scheduled for mid-June. Other sales include 4-H feeder sale, Hereford Breeders' sale, and feeder sale, all scheduled for fall. Dates will be announced later, says Channing Sweet, president of the Pikes Peak Cattle Growers.

TOMSON BROTHERS, Wakarusa, recently purchased the entire, richly-bred herd of Shorthorn cattle owned by Tanner Manor, Cortez, Colo. The American Shorthorn Breeders' Association reports about 40 animals were included in the transaction with most of the younger calves being sired by sons of the famous \$62,000 Pittordie Upright, and the undefeated Sni-A-Bar Control. Three mature herd bulls were included in the sale.

When these animals are added to the 10 young heifers purchased from Clarence Ralstin, Mullinville, it will make the Tomson herd of registered Shorthorns the largest in Kansas. The Ralstin heifers are daughters of the American Royal-winning son, Prince William, who has been used so successfully in the Ben Studer herd, Wesley, Ia. The Tomson herd is one of the oldest Shorthorn herds in existence today that is still under the same management. The herd was founded in 1888 at Dover and Wakarusa.

ED KNEEL & SONS SALE of Duroc fall boars and fall gilts held on April 18 at the Baker sales pavilion, Carthage, Mo., had buyers on the seats from 4 states. Many late-farrowed boars and gilts were sold, some farrowed in November. Naturally the offering did not carry as much weight as in sales where late August and early September hogs are offered. A top of \$100 was paid for 4 head. Top boar at \$100 went to Floyd Perch, Oswego. He was sired by Climax Leader from a litter of 10. The Conner Agricultural College, Warner, Okla., bought 7 head, including 2 daughters of Heavy-Set Fancy, at \$100 each. Earl Royer, Carthage, Mo., paid \$100 for a daughter of Seco Lo Ace. Fifty-two head were sold for an average of \$71. Gilts averaged slightly higher than boars. Thirty-six head went to Missouri buyers, 8 head to Oklahoma, 5 head to Kansas and 3 head to Arkansas. Bert Powell sold the offering, assisted by auctioneers Don Newman, Golden City, and Elbert Baker, Carthage, and press representatives.

A wonderful spring day and a large crowd representing several states made the setting for the POLLED HEREFORD CATTLE SALE OF VIC ROTH, Hays, and a guest consignor, John Luft, LaCrosse, April 18, at Hays. The 36 head offered was divided between buyers from 6 states. The records showed cattle going to purchasers from Kansas, Colorado, South Dakota, California, North Carolina and Mississippi. Top bull and the only aged bull in the sale was Real Plato 12th, consigned by John Luft. This was a 5-year-old son of Real Plato 26th, \$2,100 was paid for him on the bid of Leonard Harbeck, Holyrood. Second top bull was Captain Domino 7th from the Roth herd; he was sold for \$2,000 to John Luft. All cattle in the sale, with the exception of the lot 1 bull, were 1950 calves. Top-selling female in the sale was a May yearling by Captain Plato 8th; she went for \$2,500 to Circle M Ranch, Senatobia, Miss. Sixteen bulls averaged \$871; 20 females \$891; 36 head averaged \$882 per head. Col. Freddie Chandler sold the sale.

PEPPARD FARM DUROC SALE, Lawson, on April 9 averaged \$164 on 15 boars and \$83.40 on 32 gilts. Top boar, a son of Peppard Quality, and lot 9 in the sale, went to Walter Steiner, Pochontas, Ill., for \$305. Second top boar at \$300 went to Jones & Perry, Clarence, Mo. Crosson Farms and Ben A. Flett, Minneapolis, bought the lot 1 boar for \$240. He was sired by Peppards Quality. Other Kansas boar buyers were B. M. Phillip, Leavenworth, and W. G. Level, Leavenworth. Gilt top at \$220 went to Ed Dinsdale, Traer, Ia. Irvin Bennett, Downing, Mo., bought 2 gilts, 2nd and 4th high-selling gilts of the sale, at \$142.50 and \$100. Everett Maahs, Greenwood, Nebr., bought the 3rd high-selling gilt at \$137.50. W. G. Level, Leavenworth, bought 3 gilts and Ben Flett, Delphos, 1 gilt. Buyers made selections from several states. Guy Pettit, assisted by press representatives, conducted the sale. There were many head that sold well worth the money and buyers, both breeders and farmers had an opportunity to make selections at prices that should prove very profitable.

A Missouri buyer was on hand to top the FRITZ KERBS & SONS HEREFORD PRODUCTION SALE, held at the ranch near Otis, on April 3. The final bid was \$4,350, for Captain Plato by Real Plato Domino. Bidder was H. E. Bouis, owner of Shorty's Ranch at Dixon, Mo. This bull had many friends at the sale and Missouri can be proud this great bull came to Shorty's Ranch. The final figures showed 33 head of bulls sold for a total of \$26,650, with an average of \$807. The 13 polled bulls averaged \$1,265 a head. Thirty-four females sold for \$21,355, with an average of \$628, making 67 head selling for \$48,005, with a \$716 average. The top 25 head averaged \$1,139. There were breeders on the seats from many states. Evans E. Britton, Williams-ville, Ill., was final bidder on the 2nd top bull, a yearling son of Captain Plato, which sold for \$1,925. A Kansas buyer took the top female, a dehorned heifer, in lot 44, which went to W. R. Zimmerman & Son, Alta Vista. Leonard Kerbs, Otis, took the top polled female, lot 35, at \$1,200. Col. Freddie Chandler sold the sale, assisted by Glenn Kreuscher, American Polled Hereford Association, and men of the press.

T. M. GERKEN'S Duroc sale, at the sales pavilion in east Paola, was well attended on April 21. Auction of this well-known Kansas breeder averaged \$70.50 on 41 head sold; 18 boars averaged \$72.50, and gilts just a trifle under \$70. Texas, Missouri and Kansas buyers were present and the average made was satisfactory. The entire offering was of late September, 1950, farrow, were all sired by Diamond Star, a son of Red Diamond, the Minnesota Junior Champion. They were very uniform in type and prices ranged \$57.50 to \$112.50 on gilts, and \$50 to \$125 on boars. Two boars sold for \$125. One went to Wm. J. Klotzbock, Humboldt, the other to the Rotan FFA Chapter, Rotan, Tex. Two boars sold at \$100 each. Truman Brothers, Grandview, Mo., bought one, the other went to Homer G. Everhart, Paola. Albert Johannes, Marysville, bought the 2 top gilts at \$112.50 and \$110. Second high gilt at \$80 went to George Broker, Fontana. Recently, this breeder bought the well-known Duroc boar, Eureka, from Willis Huston, Americus. Before Willis Huston secured Eureka, he headed the herd of Clarence Miller, Alma. Auctioneers were Bert Powell, Tom Sullivan and Wade Morris. Press representative Don Washburn assisted in the ring.

SHEEP

REGISTERED

SUFFOLK RAMS

Big, rugged Rams with lots of Bone.

Write us at once for our schedule of our truck thru Kansas with Good Rams for you to see and buy.

BEAU GESTE FARMS

ROY B. WARRICK & SON, Oskaloosa, Ia.

OFFERING

BREEDING EWES

125 head of Northwest breeding ewes, ages principally one and two. This flock has 40 December lambs on them and 70 that have come this spring. A few are yet to lamb.

V. F. ROSENKRANZ,
Washington, Kansas

YEARLING RAMS

30 Shropshires—6 Hampshires

Big husky fellows.

D. V. SPOHN, Superior, Nebr.

Dairy CATTLE



REGISTERED

WISCONSIN HOLSTEIN CALVES

FOR HIGHER PRODUCTION HERDS

Exceptional offering of choice registered Wisconsin Holstein Calves. Available in large quantities. Also some Guernsey and Brown Swiss. Vaccinated against shipping fever. Health sheet furnished. Well started—no milk required. Visitors welcome. Write or telephone.

J. M. McFARLAND & SONS
WATERTOWN WISCONSIN

HOLSTEIN COWS

FOR SALE

6 REGISTERED 2- and 3-YEAR-OLD COWS. These cows have or will calve in April and May. The 4 that milked last year as 2-year-olds tested 3.8% to 4% fat and unofficially produced an average of approximately 400 lbs. fat.

V. F. ROSENKRANZ
Washington, Kansas

GUERNSEYS FOR SALE

Several good young cows. Also an outstanding 2-year-old bull. All cattle are high-quality purebreds but not registered. Reasonable prices.

ORLANDO UNRUH, Moundridge, Kansas

HOGS

SUPERIOR DUROCS

Excellent fall boars and gilts by Super Spot-light, Perfect Trend, King of Diamonds—a top son of Red Diamond. These are rich red, heavy hammed, thick with smoothness and well set legs. Also offer 4 spring boars. We can fill your Duroc needs. Come or write.

G. M. SHEPHERD, Lyons, Kan.

JAYHAWK FARM DUROCS

The home of state and national winners. In this herd you will find the most of the best. Fall boars and open gilts now ready to go. Visitors always welcome.

RALPH SCHULTE, Little River, Kansas

OUTSTANDING DUROC FALL BOARS

Sired by The 49'er, Nebraska champion boar. Others by Royal Fleetline 1st, by Fleetline, the \$2,700 Iowa Junior champion boar. Registered. Guaranteed. Ideal color, type and conformation.

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

DUROC BOARS AND GILTS

Desirable, serviceable boars sired by Crusader's Leader by Proud Crusader. Fall gilts by Fancy King and Crusader's Leader available later bred to a son of the \$2,500 Indiana Jr. Champion Distinction. LESLIE STEWART, Americus, Kan.

SUPERIOR SUPREME DUROCS

Outstanding registered fall boars. Double immune. Sired by Superior Supreme. Raised on range. A. C. BOWEN, Council Grove, Kan.

ETHYLEDALE FARM PRODUCTION HAMPSHIRE

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

DALE SCHEEL
Emporia, Kan., Rt. 2

REGISTERED O I C BRED GILTS
CHESTER PETERSON
Osage City, Kan.

Poland China Fall Boars FOR SALE

Tops in quality and breeding. Reasonably priced. Write BAUER BROS., Gladstone, Nebraska

REG. SPOTTED POLANDS

Serviceable-age boars; also unrelated gilts. Champion breeding, new bloodlines.

HERBERT HOLLIDAY, Berryton, Kan.

Public Sales of Livestock

Aberdeen-Angus Cattle

May 15—Marycrest Farm, Maloy, Ia. J. B. McCorkle, Sales Manager, Suite 3500 AIU Bldg., Columbus, Ohio.
 May 21—Red Oaks Farms, Rocky Comfort, Mo. J. B. McCorkle, Sales Manager, Suite 3500 AIU Bldg., Columbus, Ohio.
 November 7—Kansas State Aberdeen-Angus Breeders Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.
 December 12—Commercial and Purebred Angus Sale, Dodge City, Kan. Don L. Good, Secretary, Manhattan, Kan.

Ayrshire Cattle

May 5—Grand National Breeders Sale, Hutchinson, Kan. G. Fred Williams, Sale Manager, Hutchinson, Kan.

Hereford Cattle

October 12—Brown Brothers, Fall River, Kan.
 October 22—Beeks & Cleland, Baldwin, Kan.
 November 1—Flint Hills Association, Cottonwood Falls, Kan.
 November 2—Haven Hereford Breeders, Hutchinson, Kan.
 November 2—Central Kansas Polled Hereford Association Show and Sale, Herington, Kan. O. J. Shields, Sale Manager, Lost Springs, Kan.
 November 3—Jesse Riffel & Sons, Enterprise, Kan.
 November 7—Cowley County Hereford Breeders, Winfield, Kan.
 November 10—V. H. Tonn & Son, Haven, Kan.
 November 12—Sunflower Futurity, Hutchinson, Kan.
 November 14—K Ranch, Hutchinson, Kan.
 November 19—Summer County Breeders, Caldwell, Kan.
 December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.
 December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.

Holstein Cattle

May 23—Department of Corrections of Missouri, Paul V. Renz, Superintendent of Farms, Jefferson City, Mo. R. S. Caldwell, Sales Manager, 719 Gentry St., Columbia, Mo.
 October 10—Kansas State Holstein Association Sale, Abilene, Kan. Grover Meyer, Chairman of Sale Committee, Basehor, Kan.
 October 25—Central Kansas Holstein Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.

Shorthorn Cattle

June 8—D. W. Bishop, Highland View Farms, Gashland, Mo., and W. A. Cochel, Roadridge Farms, Parkville, Mo. Sale at Gashland, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

Duroc Hogs

May 28—Earl Martin & Son, DeKalb, Mo. Sale at South St. Joseph, Mo.

Hereford Hogs

May 8—L. L. Jones & Son, Garden City, Kan.

Hampshire Sheep

May 10—Missouri Hampshire Breeders Association, South St. Joseph, Mo. Glen Armstrong, Sales Manager, Norborne, Mo.
 August 4—Northwest Missouri Breeders' Association, South St. Joseph, Mo. F. B. Houghton, Secretary, Maryville, Mo.

Suffolk Sheep

June 11—Annual Suffolk Stud Ram and Ewe Sale, Rock & Warrick, Oskaloosa, Ia.

Sheep—All Breeds

May 21—Fifth Annual Purebred Sheep Breeders' Association Sale, Hutchinson, Kan. T. Donald Bell, Secretary, Manhattan, Kan.

Beef CATTLE

REGISTERED POLLED HEREFORDS

For Sale: Bulls age 10-16 months old. Sired by ALF Beau Rollo 47th.

GRAND VIEW STOCK FARM
 O. J. SHIELDS, Lost Springs, Kan.

POLLED SHORTHORN

Our herd is built of the most popular bloodlines and of top individuals. Foundation cattle have been purchased from the leading herds of the breed. We have purchased top-selling individuals at many of the district and consignment sales. Our present herd sire is a son of Collynie Front Rank, who was champion in Nebraska several times. Our cattle are bred right. Quality of first class and will do good in any herd. Stock for sale at all times. Visitors welcome. Harry C. Bird & Sons, Albert, Kan.

FOR SALE

One 10-month-old Polled Hereford bull. One 8-year-old MP Domino 88th, proven herd sire. Taking orders for bull calves for future delivery. Glenn J. Biberstein & Son, Attica, Kan., Ph. 3708

Dual-Purpose CATTLE

REG. MILKING SHORTHORNS

Two young bulls, plenty size and quality; color, roan. One serviceable age, other close. Will sell or trade for female stock of like quality.
 ROE LEE, Council Grove, Kansas
 on 50 Highway. Phone 11F3

Milking Shorthorn Bulls

For Sale: Four bulls, solid R. M. pedigrees. Ready for service. These are from high-producing cows and large for age.
 JOHN A. YELEK, Rexford, Kansas

AUCTIONEERS

HAROLD TONN

Auctioneer and Complete Sales Service
 Write, phone or wire
 Haven, Kansas

BERT POWELL

AUCTIONEER
 LIVESTOCK AND REAL ESTATE
 1500 Flagg Avenue
 Topeka, 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	\$39.00	\$37.60	\$29.50
Hogs	22.00	21.25	19.00
Lambs	38.00	29.50	26.50
Hens, 4 to 5 lbs.34	.34	.18
Eggs, Standards45	.42	.28 1/2
Butterfat, No. 162	.60	.53
Wheat, No. 2, Hard ...	2.48	2.42 1/2	2.32 1/2
Corn, No. 2, Yellow ...	1.78	1.70 1/2	1.48 1/2
Oats, No. 2, White ...	1.02	1.04 1/2	.87
Barley, No. 2	1.48	1.49	1.29
Alfalfa, No. 1	38.00	34.00	30.00
Prairie, No. 1	17.50	16.50	14.00

Four 4-H Leaders To Washington

Four top young Kansas 4-H Club members have been named winners of trips to Washington, D. C., for outstanding leadership activities. The 1951 group includes Gary F. Krause, 17, Waverly; LaVada Balch, 19, Wichita; Betty Stephens, 21, Kanorado; John Paulson, 20, Lindsborg. They will be delegates to the 21st annual National 4-H Club Camp, June 13 to 20.

Betty has been a member 10 years in Sherman county, won a National 4-H Club Congress trip to Chicago one year. She was sweepstakes girl at the 1950 Kansas State Fair 4-H Encampment, is now secretary of the county rural life association.

Gary is member of the Best Ever 4-H Club in Coffey county. He has good records in swine, corn, junior leadership, home beautification, breeding beef, baby beef, soybeans, room improvement, and brooding poultry.

John has been responsible for the 240-acre farm place for his widowed mother for the last 4 years. He has completed 37 projects with a net profit of \$11,946 in 9 years as a member of the Smoky Valley club in McPherson county.

LaVada has been unusually successful in recreational and health leadership in the Riverside club in Sedgwick county. Last year she was county champion in style and junior leadership.

Wheat Council Battles Insects

The Kansas Wheat Quality Council plans an intensive educational campaign this summer against stored-grain insects and rodents. The council will sponsor 2 series of meetings and demonstrations. First series of meetings will start May 14 in Concordia. Cleaning and spraying of premises and poisoning rats will be demonstrated.

Other meetings in first series will be at Quinter, May 15; Garden City, May 16; Hutchinson, May 17; Iola, May 21, and Topeka, May 22. Second series of meetings will be in the same towns beginning after harvest in Topeka, and continuing in reverse order to end at Concordia. Demonstrated will be application of fumigants to stored grains to kill insects.

Herman Praeger, council chairman, said the campaign will be a continuation of the fight started last year. Stored-grain insects and rodents have cost Kansas farmers 8 million dollars a year. Mr. Praeger states this loss is "in soil fertility and manpower that Kansas cannot afford in peace or in war."

The Kansas Wheat Quality Council is composed of 5 representatives from each of 25 agricultural organizations and agencies.

Killing Weeds in Strawberry Fields

Chemical weed control in strawberry fields this year should be used with care and only by consulting local county agents and the Kansas State College Extension service. This is the advice of the Kansas State Horticultural Society. However, it is pointed out chemicals have been definitely helpful where correctly used.

The amine salt of 2,4-D used just before or just after plant setting seems to control for a time broad-leaved weeds and will kill much of the grass if caught at the time of seed germination. Not more than 3 sprays are advised, each to be used when the greatest of seed germination is underway. Strawberry plants are retarded somewhat by such spraying but seem to resume normal growth within 2 weeks.

5TH ANNUAL PUREBRED RAM SHOW AND SALE

State Fair Grounds

Hutchinson, Kan.

Monday

May 21, 1951

90 PUREBRED RAMS

Carefully selected from the best purebred flocks in Kansas. Plan now to attend this show and sale where you can get a good selection without excessive travel.

Judging of Rams—3 p. m.

Sale—7 p. m.

Write for catalog to

Kansas Purebred Sheep Breeders' Assn.

KANSAS STATE COLLEGE
 Manhattan, Kansas

RED OAK FARMS 3RD ANNUAL SALE

to be held at Red Oaks Farms near

Rocky Comfort, Mo.

on May 21, 1951

53 Females and 2 Bulls Sell

The offering will consist of 2 bulls that have been held for this sale. They are real herd bull caliber. 53 young females offered: 26 of them bred to Black Prince 34th of Angus Valley, pictured in this ad, and 27 of them will be open. Several of them are daughters of the 34th. Just about as well bred group of cattle as has been offered with the more sought after families heavily represented. Note—Nothing in the younger line is held in reserve and there is not a plain family in the entire offering. Red Oak Farms have purchased many of the top cattle in the major sales and now offer their produce. Get a sale catalog and study this sales offering. If you want top Angus you will find them here.

Write for sale catalog to: J. B. McCORKLE, Sale Manager, Suite 3500 AIU Bldg., Columbus, Ohio
 Auctioneer: Roy Johnston Bert Powell with Missouri Ruralist

HOLSTEIN AUCTION OF 111 HEAD

Selling 100 Registered Holstein Heifers and 11 Young Bulls.

These Holsteins are sold by the Department of Corrections of Missouri. The farm is overstocked and these are selected from the Algoa and Church Farm dairy herds. Sale held at the Church Farm Dairy 7 miles west of

Jefferson City, Mo.

Wed., May 23, 11 A. M.

The sales offering consists of 35 Bred Heifers—25 Open Heifers—20 Yearling Heifers—20 Heifer Calves—11 Young Bulls.

Health of Herd—The Algoa and Church Farm herds are Tb. and Bang's free, and accredited. All heifers officially vaccinated for Bang's disease. All bred heifers guaranteed safe in calf. Production—With from 125 to 146 cows and heifers in milk in 1949 and 1950 the herd averaged approximately 11,000 milk and 390 lbs. butterfat.

For Sale Catalog write to R. S. CALDWELL, Sales Manager, 719 Gentry, Columbia, Mo.
 DEPARTMENT OF CORRECTIONS OF MISSOURI
 COL. PAUL V. RENZ, Supt. of Farms, Jefferson City, Mo.
 Auctions: Powell, McDowell and Patrick Donald Bowman with Kansas Farmer

100 HEAD BANBURYS' POLLED SHORTHORNS

Established in 1907

Herd sire: Cherry Hill Hallmark. Bred by Oakwood Farm, 3rd in Get of Sire, at the Kansas State Fair in 1950.
 Princess Coronita—Champion female at the Kansas State Sale, sired by Red Coronet 2nd. Herd sire bred by Theimans. Males and females (some of the best) for sale, calfhood vaccinated. Also 2 top herd sires, 9 miles southwest of Hutchinson, then 14 miles west on blacktop road.

J. C. BANBURY & SONS, Plevna, Kansas



CHERRY HILL HALLMARK



Offering 20 Polled Hereford Bulls

Sired by

Polled Sons of C. K. Cadet

Intensely Polled bloodlines from 40 years of constructive breeding. Exceptional quality—well developed. 12 months old.

GOERNANDT BROS.

Ames, (near Concordia) Kansas

WALNUT VALLEY HEREFORD RANCH

Herd Bull for Sale, F. Elation 22nd



This is a Fulcher bred son of the register of merit Baca Elation. Calved Dec. 18, 1947. He is sound and in his prime. You can see his calves. Also a few yearling bulls. Sired by OJR Jupiter Star 12.

WAITE BROS., Winfield, Kan.



The Tank Truck



"Best in the field" are the Pace Brothers, outstanding Texas cotton growers. Left to right are G. W. Pace, Jack Glass, farm manager; C. T. Pace, R. P. Pace, Mrs. T. A. Pace, mother of the brothers; and Starlie and Verner, sons of R. P. Pace. (The curious pooch is named Pal.)

Never A Weary Pace

IN THE EARLY TWENTIES, the late T. A. Pace was struggling to make a living in Wise County, Texas. In 1923 he decided he could do better if he moved further west to farm.

In 1925 he purchased 177 acres southeast of Levelland, Texas, as a home for his wife and three growing sons. In 1931, sons Ramon and Cecil rented a section and started on their own. Two years later, in partnership with their father,

they bought a half-section more. Today, the Pace Brothers own 1,980 acres of fine land, all under cultivation. A recent year's crop of cotton was enough for over a half-million shirts!

The Pace Brothers have tried many varieties of cotton and have settled on Lockett No. 140 for hand pulling, and Lockett No. 1 for the mechanical picker. For their seven irrigation wells, they use White truck engines, and one has operated for five years without a wrench ever touching it for repairs. For cultivation and ditch maintenance, they use seven tractors, and they also have four pickups and four passenger cars.

The Pace Brothers made their first purchase of Conoco Products exactly 30 years ago! They have always used the

full line of Conoco farm fuels and lubricants because they say that Conoco Products are the best in the field.

Certainly the Pace Brothers are among the best in *their* field. Why don't you take their expert word about Conoco Products? Give them a try, won't you? Call Your Conoco Man today.

They Say Super is SUPER

★ ★ ★



"New Conoco Super Motor Oil tops anything Conoco ever had before," say Gordon (left) and Shirley Dickson, owners and operators of a 200-acre stock and fruit farm northwest of Rogers, Arkansas. "We have used Conoco Products for the past 18 years, and have always gotten the *best* of results."

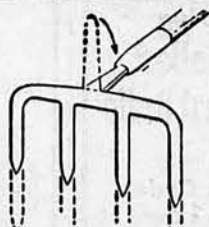
"Since using your new Conoco Super Motor Oil, it looks like our Farmall 'M' (now 10 years old) is good for another 10 years' service," reports Christ Krumbach, Parker, South Dakota. "I would not hesitate to recommend Conoco Super to anyone."



"Repair costs have been practically nothing on my Farmall 'M' since I started using Conoco Super Motor Oil," says C. D. Reese, dairy and custom farmer, Lakeview, Utah. "I am now using it in all my equipment, with equally good results."

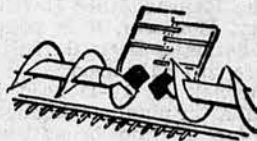
Corn Rake

For a corn rake that will dig in and loosen the corn, cut a four-tined barley fork off the shank and weld it back on at right angles. Cut the tines to the desired length, suggests Mac Glum, Stromsburg, Nebr.



Grief Saver

E. F. Oblander, Okeene, Okla., says this idea will save a lot of grief. Bolt a piece of belting to ends of augers on McCormick or MM combines. Helps to feed grain steadily.



PRIZES FOR IDEAS!

Send your original ideas to *The Tank Truck*, Dept. E, Continental Oil Company, Ponca City, Okla., and get a genuine \$8 D-15 Henry Disston Hand Saw for every idea that's printed!

Limeapple Cheese Salad



... by Mrs. Lloyd Garhart
Route 2, Tipton, Indiana

6 medium apples 1 pkg. lime-flavored gelatin
1 cup water 1 cup cottage cheese

Prepare applesauce by washing and coring apples. Not necessary to pare. Cut apples into eighths, add just enough water to steam and keep from burning. Cook until soft. Force through sieve.

Dissolve gelatin in water as per directions. Fold in two cups applesauce and cottage cheese. Pour into individual molds, place in refrigerator. Chill until firm. Unmold on lettuce leaf, top with mayonnaise. Serves 6.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

FARM KITCHEN



CONOCO

YOUR CONOCO MAN