

Kansas Farmer



THIS COMPACT and attractive farm home belonging to the Herman Ganoung family, Rooks county, contains 14 big rooms, counting the finished basement.



A WIDE PICTURE window in the Ganoung living room gives a beautiful view to the east. Here Mrs. Ganoung visits with John Dotson, Rooks county extension agent.



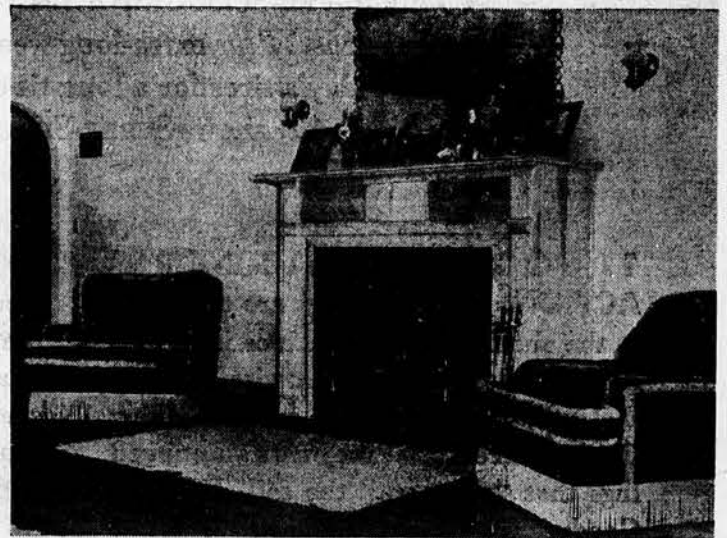
A Lot of House in a Small Package

THE days of the big, old mansion on the farm are gone. But you can still have a lot of house in a small package if you plan it as carefully as have the Herman Ganoungs, of Rooks county. When you drive up to this home, east of Plainville, your guess is the one-story brick house probably contains 6 rooms. Then you are amazed to find instead of 6, there are 14 big, useful rooms that make this house a model for pleasant and enjoyable family living. Since the Ganoungs moved into their new home, more than 1,000 visitors have gone thru it to study its many features.

The basement is the key to the size and usefulness of the home. Thru careful planning, the basement is finished off into 7 rooms matching the 7 rooms on the ground floor. The full basement contains kitchenette, large recreation room, 3 bedrooms, combination washroom and sewing room, and fruit and vegetable storage room. The washroom, equipped with an automatic washer, also serves as furnace room. A shower room completes the basement.

A favorite spot for the family is the recreation room. It is equipped with easy chairs, ping-pong table, record player, and fireplace. The table can be taken out for dancing or if the family or friends wish to gather around a cozy fire.

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AN ATTRACTIVE fireplace always draws attention of visitors in the Ganoung home. More than 1,000 visitors have viewed the home since the family moved into it January 6, 1950.

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Study Value of Irrigation

VALUE of irrigation in the Kanopolis area is being determined in a new project being developed on the H. A. Malm and Son farm, near Bridgeport, northeast of Lindsborg.

H. E. Myers, head of the Kansas State College agronomy department, recently announced several agencies are co-operating with the Malms on the project. These include the Kansas State College Extension service, the college experiment station, Bureau of Reclamation, Soil Conservation Service, Bureau of Plant Industry, Soils and Agricultural Engineering, and the Bureau of Agricultural Economics. A technical committee will be responsible for development of the farm for irrigation. Forty-five of its 275 acres are irrigable.

The committee is to supply such equipment as pipe and irrigation pump and technical services to design and lay out the land for grading. It will recommend crop varieties, cultural practices, and weed and insect control practices.

The Malms and the technicians plan to develop a livestock and general purpose farm to replace the large-scale wheat operation previously practiced. Crops to be grown under the new plan include corn and sorghums for grain and silage, oats, alfalfa, brome grass, sweet clover and Sudan pasture. Livestock is to start with 32 calves and 35 stock cattle.

There are several goals the technicians are shooting for under irrigation. These are 120-bushel corn, 25 tons an acre of forage sorghum silage, 6 tons of alfalfa an acre, 100 bushels an acre from oats regularly spaced, 60 bushels an acre wide-spaced oats, 120 bushels an acre from grain sorghums, and corn silage 18 tons an acre.

Results of the project, to extend thru 1955, will be used to establish the value of irrigation along the Smoky Hill river basin.

Aldrin Effective Grasshopper Control

Aldrin, an agricultural insecticide, is highly effective in controlling certain insects, such as grasshoppers and boll weevils. C. H. Kitzelman, Kansas State College veterinarian, states no harmful effects were observed in cattle and sheep fed alfalfa hay which had been sprayed with the insecticide in recommended doses and which retained residues of aldrin.

Value of Herd Sire

A herd sire is worth 4 times the value of one of the best cows in the herd. C. W. McCampbell, Kansas State College animal husbandryman, says a stockman with cows worth \$250 each could afford to pay \$1,000 to \$1,250 for a herd sire, assuming the herd sire had been proved. If the cows are worth \$1,000 each, their owners could afford a \$4,000 or \$5,000 sire. Since the amount to be paid for sires changes with cattle prices, the formula will work from year to year.

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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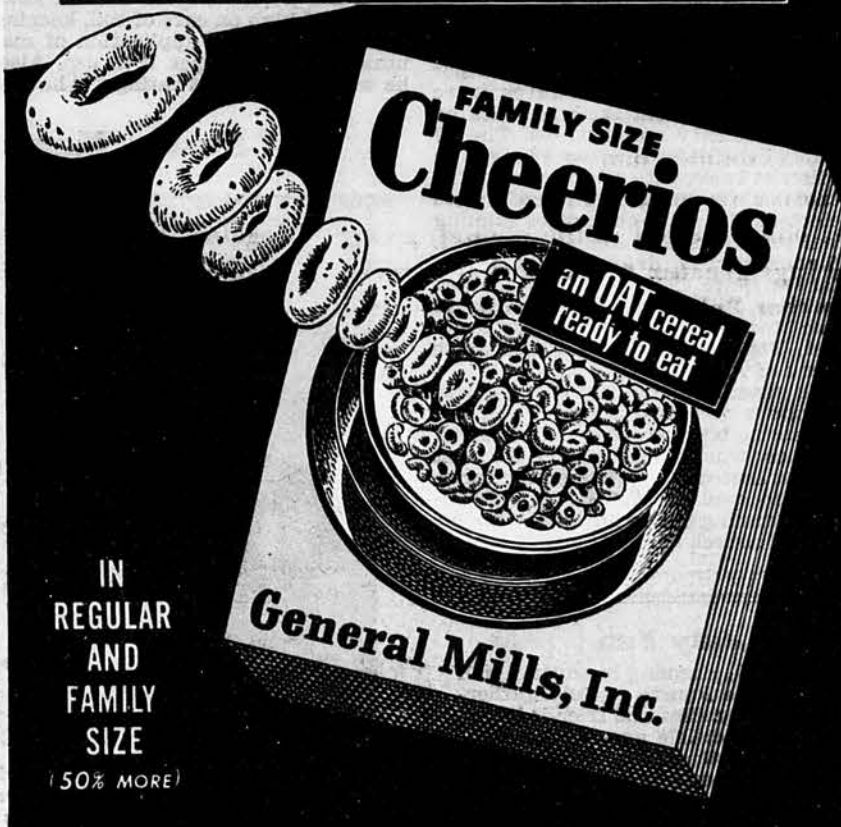
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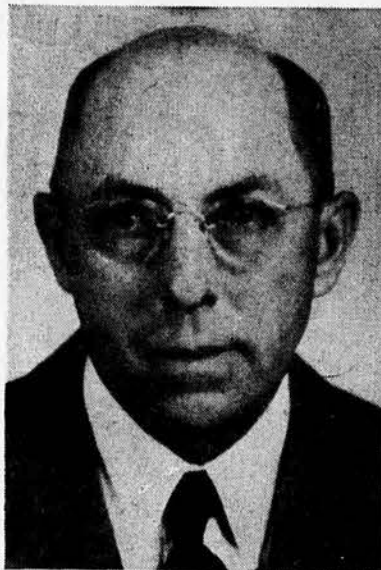
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Six More Master Farmers Named by Kansas Farmer



Carl L. Grimes



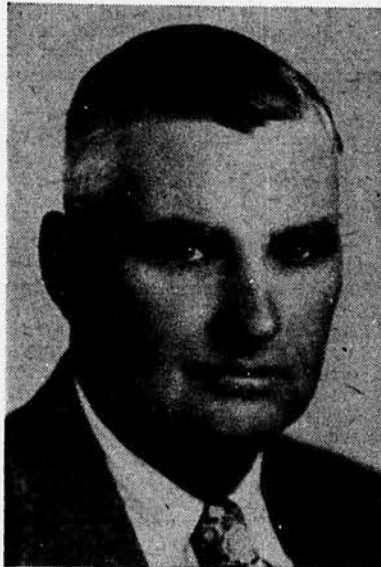
Herman Darnauer



George J. Fuhrman



Glen Paris



Ralph W. Tuttle



Laurence J. Hoover

SIX Kansas farmers reached the pinnacle of farm recognition June 6, when they were named Master Farmers of 1950. The 6 men are Laurence J. Hoover, Junction City; George J. Fuhrman, Atchison; Glen Paris, Dighton; Ralph W. Tuttle, Ulysses; Herman Darnauer, Goodland, and Carl L. Grimes, Alton.

Announcement of these awards was made earlier over Radio Station KSAC, Kansas State College, Manhattan, and in the Topeka Daily Capital, by Dick Mann, associate editor of *Kansas Farmer* magazine, which sponsors the annual Master Farmer project. This year the Kansas State College Extension service assisted in the program.

The evening of June 6, the new Master Farmers and families were honored guests at a recognition banquet on the Kansas State College campus, where they received their Master Farmer certificates and medals from Raymond H. Gilkeson, editor of *Kansas Farmer*. Dr. F. D. Farrell, president emeritus of Kansas State College, was the principal speaker on the program.

From All Sections of State

The 1950 winners of Master Farmer awards represent all sections of the state. Carl L. Grimes, Alton, and Herman Darnauer, Goodland, represent the northwest district; Ralph Tuttle, Ulysses, and Glen Paris, Dighton, the southwest district; George J. Fuhrman, Atchison, and Laurence J. Hoover, Junction City, the eastern district. The 1950 class is the first class chosen on a district basis, and the first class in several years containing more than 5 members.

Eighty-seven top Kansas farmers representing as many counties were in the running for 1950 Master Farmer awards. These 87 candidates were chosen to represent their counties by special county committees. The 87 county candidates then were judged on a district basis, with 15 going on to the state finals from which the final 6 were selected. The state committee making final selections was composed of R. I. Throckmorton, dean of agriculture, Kansas State College; O. W. Lynam, Burdette, 1950 president of the Kansas Live Stock Association, and Roy Freeland, Topeka, secretary of the State Board of Agriculture.

As usual, in making the awards, members of the committee did not choose the biggest farmers in Kansas, nor those who may have made the most money. Instead, they looked for farmers who best exemplified a well-balanced farming program, desirable home life and church and community leadership.

The Master Farmer program was started by *Kansas Farmer* in 1927 and classes have been picked each year except for a period during World War II.

Here is a summary of the farming and community activities of the 1950 Kansas Master Farmers:

George J. Fuhrman, Atchison—Mr. Fuhrman owns a 240-acre hill farm in Atchison county. His outstanding achievement has been to take this farm, which was not paying taxes because of poor soil and, thru a program of terracing, strip-cropping, and legume rotations, build it up to where his crop yields now run twice the county average. At least one third of the farm is kept in red clover—more when possible. Terraces on the farm are protected on the upper side by brome grass strips that act as buffers against erosion. Rotations using red clover vary with condition of soil. Thinner soil is alternated with wheat and red clover. Better soil gets a rotation of corn one year, oats one year, wheat one or 2 years, then back to red clover.

In community life Mr. Fuhrman has been a Sunday school superintendent, church steward, church trustee, high school trustee, grade school board member, state president of the soil conservation supervisors, president of the county Farm Bureau, and a 4-H Club leader. He also is serving as a corresponding member of the Hoover Commission. The Fuhrman family consists of Mr. and Mrs. Fuhrman and a daughter, Marjorie.

Laurence J. Hoover, Junction City, owns 240 acres of river bottom land. He scored high on care of soil, keeping high fertility thru application of manure and thru proper land use. Also, he was given a good rating for having

a well-balanced farm program that, tied in with soil management, gives him uniformly high crop yields, plenty of feed for his dairy herd and eliminates peak labor loads, while giving the family a stable income and time to enjoy living. Like other Master Farmer selections, Mr. Hoover has been careful to carry enough insurance to protect his projects from fire and storms and to cover any indebtedness.

In addition to belonging to many farm organizations, Mr. Hoover has taken leadership responsibilities as follows: Member church board, president and director of farm loan association, member county AAA, member state land use planning committee, chairman of subcommittee on health, past president of county Farm Bureau, president of artificial-breeding association, chairman county USDA council, active in soil conservation association and the USO.

The Hoover family consists of Mr. and Mrs. Hoover and 3 children, Dorothy J., Bernard L., and James.

Glen Paris, Dighton, operates 1,760 acres, of which 1,120 acres are owned and 640 acres rented. Forty per cent of the cropland is fallowed each year to insure moisture for grain crops and wheat pasture. Cattle is the main livestock project. All land has been terraced where needed. A modern farm shop makes it possible for all farm machinery to be kept in good repair.

Mr. Paris has pioneered in organizing and building up strong farm organizations in his county. He helped organize the Farm Bureau in 1929 and was responsible for getting the first county agent. He served as secretary of the Farm Bureau and helped organize the soil conservation board, later serving as its chairman. He was clerk of the Dighton grade school board and has served as township clerk.

For years he directed a church choir and now is minister of music for the Dighton Methodist Church. He also is a trustee and lay delegate of the church and is on several committees, including the building and finance committee now supervising the building of a new church. He served as Sunday school superintendent for several years. Mr. and Mrs. Paris have 4 children, Florence, Clara, George and Robert.

Carl L. Grimes, Alton, controls 1,500 acres, with 480 owned and 1,020 rented. Of this 980 acres are in cultivation. Soil is protected with dams, terraces, sweet clover, alfalfa and contour farming. About 45 acres of legumes are plowed (Continued on Page 9)

Study Kansas Agriculture



THESE 3 YOUNG MEN from the Netherlands are spending the summer on Kansas farms. They are, left to right, L. Wiersum, G. Kromkoff and E. Evenhuis. The picture was taken during a tree-planting demonstration on the Leslie Colwell farm, east of Osborne. The young men are part of a group of 5 in Kansas studying agriculture under sponsorship of the Kansas State College Extension service. They will spend 9 months in the United States.

4th of July Fun

A little planning in advance will make the Fourth of July gatherings of families and friends happy and memorable events. Our leaflet, "Fourth of July Frolic," lists games, stunts and refreshments. Please address Entertainment Editor, *Kansas Farmer*, Topeka, enclosing 3c.

Clean Before Storing

The removal of stains is a necessary feature of the general care of clothing and household textiles. A USDA publication, "Stain Removal," No. 1474, explains home methods for removing a large number of stains. A free copy of the bulletin will be sent upon request to Bulletin Service, *Kansas Farmer*, Topeka.

Farm Matters

AS I SEE THEM

ASIDE from beef rollbacks—the second and third of which, let us hope, the Government will be wise enough to abrogate—most pressing problems ahead of American agriculture apparently will be shortages of labor and farm machinery. A belated directive from Selective Service establishes a policy for local draft boards by which these may defer men classified as skilled operators and assistant operators. It came rather later than it should have, but may help the situation somewhat.

However, that does not solve the problem of higher and higher industrial labor wage levels, which make it more and more difficult to hold laborers on farms. I do not know the answer to that one. While the Office of Price Administration is moving heaven and earth to lower farm prices, its companion organization, the Office of Wage Stabilization, is aiding and abetting in pushing industrial wages upward—where union pressures are strong enough to intimidate the Administration in Washington.

Except perhaps in the sugar beet areas of Kansas, the importation of Mexican labor does little to answer the Kansas farmers' labor problem. And government policies generally are not very helpful either, taken on the whole.

One answer to farm labor shortages, of course, is use of more machinery. Across my desk the other day came the June bulletin of the Northern Trust Co., of Chicago, in which I read with interest the following:

"Shipments of farm equipment this year will probably be less than at any time during the last 3 years. However, unavailability of machines rather than slackening in demand seems to be the determining factor.

"Manpower drains of defense economy may accentuate the long-term downward trend in number of persons working on farms, providing

additional impetus to demand for machines. The industry (however) will also be producing important military items this year.

"During the past conflict, a substantial portion of productive facilities was devoted to tanks, aerial torpedoes, military trucks and carriages, and shells. Orders for similar equipment, including new vehicle designs, already have been received.

"Production of farm machinery and equipment underwent important cutbacks starting in April because of material shortages. Numerous categories of equipment were affected. March-April farm tractor production alone, exclusive of garden type, was about 12 per cent less for the same 2-months period of 1950, according to a trade journal, Implement and Tractor. Further estimates indicate that second quarter output of tractors may be 22 per cent under the level attained in the same 1950 period. This is in contrast to excellent first quarter (January thru March) results when materials stockpiled in prior months were consumed, allowing production of 152,000 farm-type tractors compared with 148,000 a year earlier. . . ."

However, there may be some improvement in prospects in this field. Current announcements and directives from the Department of Agriculture and the National Production Administration seem to recognize that food and fiber are as basic to national security as planes and tanks. If this policy is carried thru, farm machinery and implements—and replacement parts—will be recognized as essential items, and provision made to get needed production.

poses the third quarter of this year at about the same rate as 2 years ago, same quarter. My information is that manufacturers will be entitled to a priority rating on 92 per cent of the materials and items which they are authorized to use.

An additional favorable development is the establishment in the NPA of an Agricultural Machinery and Implement division. This group is to work with the Department of Agriculture in lining up equipment needs. If this division functions as it should, and NPA backs it up with appropriate orders under the Controlled Materials Program, the outlook for farm machinery and replacement parts may look better next fall and next year than was indicated by spring developments this year.

The Washington confusion, both as to policies and programs, has not been cleared up noticeably. But between Senator Joe McCarthy, of Wisconsin, and Gen. Douglas MacArthur (also of Wisconsin, by the way)—the Administration has been forced to reconsider basic foreign policies. And that to me is a hopeful sign. Foreign policy has been wavering and wobbling, based too much on what the rest of the world wants of the United States, rather on what is the best for the United States and the people of the United States.

Arthur Capper
Topeka.

So Beef Producers Get the Blame

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

GOVERNMENTS, thru propaganda machines, have ways of making people believe the results of government's own actions are effects of some sinister forces opposing the government programs.

Take the case of beef cattle. Some time ago OPS licensed all slaughterers; only those so licensed can slaughter cattle for sale.

Then these slaughterers were put on a quota basis. Each month OPS announces the percentage of slaughter, based on the same month last year, to be allowed.

Example: Last month's slaughter quota was 90 per cent of the May, 1950, slaughter for that same licensed slaughterer. This month it is 80 per cent. That means one-fifth less poundage of beef slaughtered by each licensed slaughterer.

Means Less Beef

Cattlemen warned the government that beef cattle rollbacks would result, ultimately, in less beef—if rollbacks were effective. In order to beat each succeeding rollback, cattlemen would send cattle to market minus the 200- to 300-pound gain in weight that would be obtained if the cattle were held for feeding to heavier weights.

Guided by remarks from OPS, the metropolitan press announced cattlemen threatened "sit-down strikes" to make beef ceilings unpopular.

Then—and here comes the smart touch; Mr. Michael DiSalle is a wise-cracking Democrat politician from Toledo, O.

OPS made the June quota 80 per cent of last June's slaughter.

That meant no slaughterer could slaughter more than 80 per cent (weight, not head) of what he slaughtered in June of last year. Packers laid off employees.

That meant 20 per cent less beef slaughtered than a year ago.

On the face of it, that meant 20 per cent fewer pounds of beef for consumers, somewhere along the line.

It certainly means 20 per cent fewer pounds of live cattle could be sold for slaughter.

So, the story went around the big cities that cattlemen were holding cattle off the market to "beat price controls." Then, in early June, the cattlemen quit shipping to a great extent, and waited to see what would happen.

A delegation of cattlemen got an audience with President Truman at the White House, 10 days or so ago.

They came away feeling there will be a thoro study before the second (August 1) and third (October 1) rollbacks go into effect.

Mr. DiSalle says the orders will stand; enforcement will be rigid.

Take your choice. Odds you'll guess wrong.

Fight Those Rollbacks

Senate and House committees are working on the asked-for extension of the Defense Production Act (controls act).

The Senate Banking and Currency committee may recommend an amendment that will effectively prevent the second and third rollbacks going into effect. Division is close in committee.

The House Banking and Currency committee is more likely to go along with the Administration. It might not. If it does, and leaves OPS authority to carry on the rollbacks, members of the House Agriculture committee will lead a fight on the floor of the House to prevent second and third rollbacks.

The cotton growers and cotton trade, as well as the packers, probably will

join forces with the cattlemen. The cotton folks have no rollbacks in sight. They want controls removed entirely. So does the American Farm Bureau Federation. The National Grange has an 8-point program; price controls are seventh on the Grange priority list. The Farmers' Union goes along with the Administration on all control programs.

That combination against price controls, theoretically, is a strong one. There are a lot of what they call "imponderables" in the picture. What happens about Korea is one of them. If Korea should become a peaceful zone—and another trouble zone, say Iran, does not develop—the threat of peace would make it more difficult for Administration to get asked-for extension and increase in its control powers.

The Republican-Southern Democrat coalition is stronger than ever in Congress, on everything except national security. President Truman's Fair Deal program is out for this Congress, and everybody in national circles knows it.

But when the Administration throws the scare words, "higher prices" at the opposition coalition, enough congressmen are likely to run for cover to insure extension of price controls in some form. Here's why, in part:

Who Gets in Hot Water?

If OPS is continued, and retail prices do not fall, OPS will have to take the blame from consumers; will continue to take the blame from producers.

If OPS is ditched, and retail prices rise, the Administration can throw the blame on Congress. Next year is election year.

Another "imponderable" that may affect the congressional decision in

price controls is the MacArthur-Acheson row. General MacArthur, in Japan, in 5 years following V-J Day, turned 80 million enemies of the U. S. into warm friends. In the same period (albeit the work started before 1945) Secretary of State Acheson, General George C. Marshall and their clique of advisers managed to change several hundred million friends into bitter enemies of the U. S., in China.

President Truman fired MacArthur; keeps Acheson on the job.

Believe Policies Have Failed

Republicans and Democrats in Congress are almost unanimous in feeling that Acheson should either resign or be fired from the President's Cabinet, for different reasons. The Democrat opposition to retaining Acheson, among Truman followers, is the belief he has become a heavy political liability in the 1952 elections. Conservative Republicans—and Democrats—believe his policies have failed miserably. And they don't trust him.

Acheson has added materially to the breach between the White House and the Congress. And that breach will affect some votes in both Senate and House, on pretty nearly all administration measures.

At the time this is written, the House leadership is afraid to bring the appropriation bill for the State Department to the floor for debate and passage. It is no secret the House leadership is recommending Acheson be relieved before they bring the bill up for consideration.

So Dean Acheson is one of the "imponderables" in the pending floor fights over extension of price control powers.

Farm labor problem is reported becoming more serious. Addition of farm operators and assistants to the list of
(Continued on Page 25)

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Article No. 5

We Are Seeing America West and Northwest

By FRANCES R. WILLIAMS

WE ENTERED Yellowstone Park in Wyoming for the first time by way of the northeast entrance. From Custer's battlefield, we traveled to Billings, Mont., thru a great wheat country, which boasts the largest wheat farm in the world; then to Red Lodge thru a rich irrigated section.

From Red Lodge, the scenery changes abruptly. The highway ascends from the floor of Rock Creek canyon, by easy grades and switchbacks, to Bear Tooth pass where the elevation reaches 11,000 feet. The "High Road" as this highway is called, skirts the ridge above the timber line and for several miles the altitude hovers above the 10,000-foot mark. Two hundred fifty square miles of mountain peaks may be seen by turning one's head. Alpine flowers of every shade and hue carpet the meadowlike area on each side of the High Road, up to the very edge of the melting snow banks. Streams of water from melting snow join to make cold, rushing brooks, gleaming, sparkling waterfalls and jewel-like lakes nestling in the hollows. Snow is found on the High Road the year round and on August 1, snow banks of considerable depth were frequent 1,000 feet below our highway.

By Pack Trail

Cooke, a picturesque old mining town of rustic log houses, is near the park gate. In its heyday, the town boasted almost as many saloons as population. The only means of communication with the outside world until the High Road was completed in the late 1930s was by means of pack trail thru the Park to Gardiner, Mont.

The more popular entrance to Yellowstone Park is thru the scenic Big Horn mountains of Central Wyoming to the east entrance gate by way of Cody. Here the highway follows the canyon of the Shoshone river and is a masterpiece of engineering skill, which required blasting the sides of the mountain. The road passes beside the Buffalo Bill dam which impounds water of the river into a vast lake used for irrigation.

Yellowstone, the oldest and largest of our national parks, was established by act of Congress in 1872. Nearly 2 million persons visit this wonderland each summer. Many enter by one of the 5 gates, travel the Loop Highway, 145 miles in length; stop a few minutes to see Old Faithful spout, feed the bum bears that panhandle along the Loop road. They might even toss a coin in Morning Glory pool, then dash out a different gate and declare, "There ain't nothin' to see in Yellowstone." Then there are others who take their trailer houses or camping equipment and stay a week, a month, or even 3 months and return year after year.

Each year the park is different. In 1949, it was very dry and forest fires raged in the southwestern section. But elk herds, moose and deer were a common sight grazing in the lower meadows or in the forest. In 1950, the lush green meadows were almost bare of animals, but these spots and the slopes of Mount Washburn and Dunraven pass were a colorful carpet of blooming wild flowers. On our first visit the heat and glare of the sun prevented us from exploring the extensive terraces around Mammoth Hot Springs, but the next



Frances R. Williams

year we chose a cool, cloudy day and enjoyed the beauty of the delicate coloring and fantastic forms made by the hot mineral waters.

Where else in all America can one stalk a wild bull moose? We did with camera in hand, keeping close behind a tree for safety sake, and getting a picture as the animal browsed on the tops of willows within sight and sound of Fishing Bridge, where scores of people fish and cars pass in a constant stream? Or shoot a bear (with a camera) as he raids the garbage can within a few feet of one's camp? Or sight a flock of great white pelicans that rise in graceful flight from a small island in the river, north of Fishing Bridge?

Many Things of Interest

We met teachers, artists, musicians, businessmen, and people of all ages from every walk of life, from every part of the United States, who found many things of interest in Yellowstone. We enjoyed and shared a park table with a young newly-married couple from Maryland, 2 young women teachers from Rhode Island, 2 Vassar students from New York City, 2 young lads from Washington, D. C., as well as people nearer our own age.

We will long remember the young man, traveling alone, sleeping in his car and cooking his meals, who sat by our campfire several nights and entertained us with the stories of his travels. He was a commercial artist. His work was to draw the complicated models to illustrate the catalog of a great manufacturing company. Some would think he wasted his time watching for a glimpse of one of the inhabitants of a beaver colony, in a secluded section a few miles from Mammoth. Or waiting a whole afternoon to photograph the beautiful trumpeter swans as they floated majestically on the surface of Swan Lake, with just the right composition of blue sky and fleecy white cloud. To us it was a great thrill to sight the trumpeters from a distance; this rare species now almost extinct except for the 35 in Yellowstone and

(Continued on Page 7)

Coming From Overseas, Soon . . .

Remember in the April 7, 1951, issue of *Kansas Farmer* we promised travel letters from Kansas 4-H'ers who will be across the ocean this summer, finding how folks over there farm and live. Five IFYE (International Farm Youth Exchange) delegates will go from Kansas. They are: Donna Cowan, Emporia; Dorothy Vanskike, Arkansas City; Warren Prawl, Severance; Carol Blackhall, Sterling; Elizabeth Elliott, White City.

Donna Cowan will write to *Kansas Farmer* for you from France; Warren Prawl will send letters from Switzerland. You recall we have had letters other years from England, Sweden, Norway, Finland, Denmark, Germany, Holland, Scotland and Wales. We know you will enjoy the experiences of these two outstanding 4-H'ers.

Donna and Warren tell the editor they will be "shipping out" for Europe around June 18, so watch for their letters soon in *Kansas Farmer*.

the well-known Jackson Hole country. We will never forget that Sunday evening, with only the full moon for light, as we sat in the outdoor amphitheater and listened to the evening vesper service, given by a group of 50 young people employed in the park during summer. They had spent many hours to rehearse, and their fine young voices raised in song were an inspiration. Only a short time before, we had seen the spectacle of Old Faithful, illuminated by lights as it spouted water and steam up into the still night air, higher than is visible by day. Any disappointment we felt on our first sight of Old Faithful was dispelled by this night performance.

For the fisherman there is the thrill of catching his limit of cutthroat trout in Lake Yellowstone, or he may wish to try his lures in one of the clear, swift streams far off the beaten path. No fishing license is required in the park. There is the smell of fir and pine, the smoke of many campfires, the tantalizing odor of frying bacon, the sound of laughter, music from a portable radio mingled with that of chopping wood.

Enjoyed Ranger's Talks

Evening campfire programs, conducted by the park rangers in the larger camps, are popular with park visitors. Carrying warm blankets and flashlights, campers trudge to the open-air amphitheater to sit on logs, take part in the community singing, then listen to the evening lecture on some phase of the Yellowstone. The subject may be geology, geysers, animals, history of man in the area. Perhaps the ranger will recall some of the tall tales told by Jim Bridger, first press agent of Yellowstone, whose stories of the wonders were too incredible to be believed. The evening program usually closes with colored slides or actual movies taken in the park.

There are more than 10,000 thermal features; geysers larger than Old Faithful. With patience, the visitor may see "Riverside" play at an angle over the Firehole river, or take a side road and watch the unique performance of "Daisy," one of the most beautiful geysers which also plays at an angle. He may see several geysers play in one day, or he may miss the performance altogether. There are the paint pots with their beautiful coloring, the mud geysers and the hot pools. Most of the pools are named for precious gems, and perhaps the most interesting and beautiful pool is "Sapphire," located in Biscuit basin. There are waterfalls: Kepler cascades, Gibbon falls, Tower falls and the Upper and Lower falls of the Yellowstone which surpass the height of Niagara many times.

Never the Same

There are 10,000 wonders in Yellowstone park but we are inclined to agree with the man who has spent many summers in the park: "Of all the wonders of Yellowstone, the greatest is the Grand Canyon of the Yellowstone. I see something new, something different and more beautiful each time. I never tire of this view," as he pointed to the lower falls in the distance, the osprey's nest on one of the stone pinnacles below us, and pointing to the canyon further down, "Did you ever seen anything that surpassed that gorgeous coloring of the canyon walls?"

South of Yellowstone is the Grand Teton national park. The 3 rugged giant Teton peaks seem to rise from the shores of beautiful Jenny Lake. The steep, rocky crags of the mountains are a challenge to professional mountain climbers who come from all parts of the world. The Teton rank with the Alps in Switzerland in being difficult to climb. Camping at Jenny Lake was a pleasant experience. Leaving the camp ground we drove south thru the Jackson Hole country, last frontier of the Old West, but now a region of cattle ranches which entertain "Dudes" during tourist season.

Summer Complaint



Shoo! Out of my garden you dratted chickens!



LLOYD BURLINGHAM'S SKELLY FARM NEWS

Sure, the Going's Tough...

No one claims the food producer's row in 1951 is an easy one. No one who knows what goes on in agriculture. These things make the going tough: What you buy, and that's a lot, is costly; some essential materials are scarce, from fertilizer to machinery; labor is on the short side, sometimes painfully so; farm hours are long and the work is wearying.

But, all things considered, food producers, relatively, are getting liberal consideration and cooperation. A critical time like this is no picnic for any large group of Americans. The country needs food and has gone far toward doing what is required to get it.

And, you have no concern that the volume of food your extra efforts make possible will pull your market structure down on you. Supply is the problem; demand is strong and at price levels which spell profit to you. It is strenuous — this production job of yours. But it is wonderfully worthwhile. It is your contribution to the defense effort — a vital contribution to our country's success.



HINTS for House and Garden

● To help keep kitchen sink drain pipes clear and free-running, get in the habit of pouring boiling hot water down the drain at least once a week.

● Next time you have your chimney cleaned, save the soot. It makes an excellent fertilizer for gardens and potted plants.

● For cleaning and polishing your silverware, use an old powder puff. It will assure a high, scratch-free luster.

● To make that paint-dried paint brush come out soft as new, soak it in hot vinegar and it should clean easily.

● Dislike odor of cooking cauliflower? Take an ordinary cotton string about 12 inches long, drop in cooking pan, and allow about 6 inches of string to hang over outside of cooking pan. Capillary attraction does the trick!

GOT A HINT? We'll pay you \$5.00 for every hint that we can use. Keep a copy, as we cannot return. Mail your hint to Skelly Oil Company, Dept. KF-651, Kansas City, Mo.

SKELLYMAN E. W. Matthaides

Says:

"Don't run the risk of expensive breakdowns on your vital farm machinery. The finest lubricants are your cheapest insurance against trouble and delays. You get nothing but the finest when you order Skelly Tagolene Long-Life Greases, Fortified Tagolene and Supreme Motor Oils."



C. T. Crews and a few of his 280 pigs.

"24 Years of Perfect Skelly Service" says top-ranking farmer

You're looking in on the fine 360-acre farm of C. T. Crews, near Moorhead, Iowa. A mighty productive farm, it has 165 acres in corn, 50 acres in oats, 30 acres in alfalfa and the rest in pasture. Livestock includes 280 pigs raised last year, 75 head of cattle and some valuable bulls and heifers (see photo).

Since 1927, the Crews have used nothing but Skelly fuels, motor oils and greases for their farm machinery. It includes two tractors, pickup truck, combine and corn picker and other modern equipment. Mr. C. T. Crews expresses great satisfaction with Skelly products and the service of Skelly Jobber E. W. Matthaides, who is pictured below.



Some of the Crews' registered bulls and heifers.



Mr. Crews' son at wheel of Skelly-fueled tractor.

KEEP UP WITH THE NEWS!

Every Saturday, hear Lloyd Burlingham's late farm news and his story of the current winner of the Skelly Agricultural Achievement Award, along with Alex Dreier's quick summary of world news. Monday through Friday, hear Alex Dreier and the First Network News Analysis of the Day—7:00 A.M. over your local NBC station.

SKELLY ANNOUNCES NEW H-D MOTOR OIL for Passenger Cars



Here's a brand-new Skelly Supreme Motor Oil that is now on sale by Skelly Farm Servicemen and Skelly Service Stations everywhere. It is a moderately strong heavy-duty type motor oil, built especially to meet the demands of new-type passenger car engines.

You benefit in these three important ways when you use this new Skelly motor oil:

1. **Cleaner engine** because of a moderately-strong detergent-dispersive action.
2. **Less oil consumption**... the new Heavy-Duty type motor oil stands up better under heat and high pressure, thanks to high viscosity index.
3. **Less engine wear**. Rugged oil-film can't break down. Safest oil made for new engine break-in.

Still best for tractors and trucks is Skelly's famous Fortified Tagolene H-D motor oil.

SKELLYLAND'S Favorite Recipes

Summer's here and with it the busiest garden season of the year. That's why we know you'll appreciate this "easy-as-pie" dessert and between-meal snack, cake with the frosting baked right on it.

FROSTING NUT SQUARES

CAKE

1½ cups flour ¼ cup sugar
¼ teaspoon salt ½ cup shortening
1 teaspoon baking powder 2 egg yolks

Sift all dry ingredients together in bowl. Add melted shortening and egg yolks. The dough will be very stiff and you'll have to mash it into the pan. A pan about 9 in. x 13 in. is best.

FROSTING

2 egg whites, beaten stiff 1 cup brown sugar
½ cup coconut ½ cup chopped nuts
Mix together and spread on cake dough. Bake about 30 minutes at 375°.

MRS. T. L. LASITER
Route 1, Palestine, Texas



If you have a favorite recipe or household hint that we can use, we'll pay you \$5.00 for each one printed here. Keep a copy, for none can be returned. Address Skelly Oil Company, Dept. KF-651, Kansas City, Mo.

See or call your Skelly Farm Serviceman today!

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No. 4 in a series of articles
on wheat diseases

Wheat Breeders Alarmed About New Rust Disease

By CLAUDE KING, Extension Plant Pathologist
Kansas State College

WHEAT BREEDERS are alarmed by a new wheat stem rust disease which struck in North-Central United States last year and caused a 10-bushel per acre loss. The rust is known as race 15B. All commercial varieties of bread and durum wheat are susceptible.

15B was first discovered about 5 years ago in the eastern part of the United States. It caused no serious loss until last year when it increased severely in north-central states. Investigations showed it was present in at least trace amounts in every state from Texas to the Canadian border last year, but was particularly severe on durums which are spring wheats.

There has not been much stem rust in the Great Plains for many years. Reason is believed to be that in Southern Texas where it is warm enough for rust to overwinter, the highly-resistant varieties of Seabreeze and Austin have composed most of the acreage. Also, thruout the Great Plains, commercial varieties such as Pawnee and Comanche have had some stem rust resistance, which has contributed to keeping stem rust in check. But none of the varieties grown commercially now have resistance to 15B.

Need More Experience

How severely will 15B attack winter wheats, and how soon, if ever, will a good hard winter wheat with resistance be needed? The answer is additional research and some years of experience. But plant breeders, such as C. O. Johnston, Kansas State College rust expert, are not taking any chances. In a program correlated with other states, research is underway to obtain all possible breeding stock which has resistance to 15B and to use that which they already have in getting good varieties with resistance to 15B. The problem is involved because it is possible the va-

rieties also will need to be resistant to mosaic, leaf rust, various smuts and some insects.

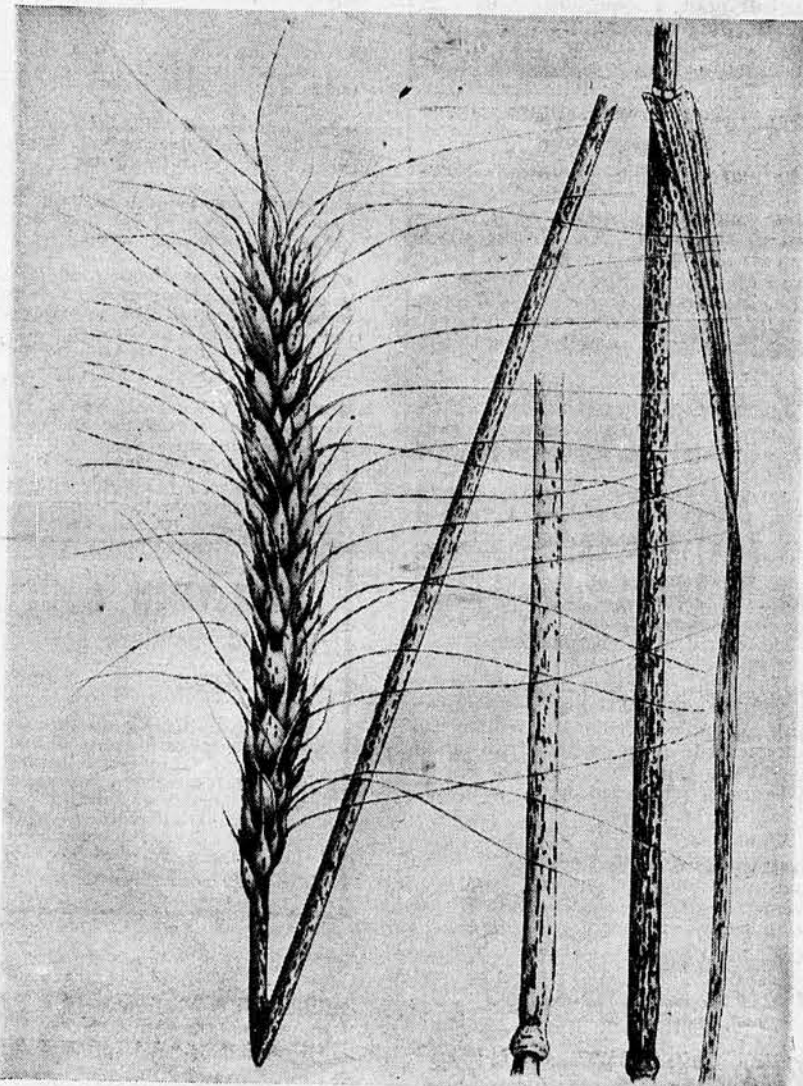
Carried North by Wind

Both stem and leaf rust overwinter in the South where temperatures permit. Low temperatures which occur in winter in Kansas usually kill rust. The fact leaf rust is very prevalent in fall in Kansas means nothing as to its prevalence the following spring. When there is an abundance of rust in the South in spring, it is carried by wind to the North. If considerable rust is present in Oklahoma, chances of getting an infestation in Kansas is probable. Rust is favored by moisture on the leaves. This enables the spores to germinate and the mycelium to grow into the leaves. It takes only 10 days from the time a rust spore lights on a leaf until it has produced a whole swelling (pustles) of rust, containing thousands of spores. These thousands can be blown to the same and to other plants to infect. Kansas chiefly gets rust in the fall on wheat from spores blown from the north and from spores overwintering on volunteer wheat locally.

Watch That Barberry!

Both stem and leaf rust produce black spores as well as red. Black spores cannot infect wheat. Black spores from leaf rust die. Black spores on stem rust may go to a kind of barberry bush. From this bush red spores may be produced in the spring which goes to wheat. This barberry also is host to stem rust of oats.

Leaf rust of wheat may infest the leaf sheaths which are around the stems and this causes many people to believe stem rust is present. A practical way to identify stem rust is to rub a finger on the rust pustles. If it feels scratchy, it is stem rust, but if it feels smooth it is leaf rust.



This picture shows stem rust of wheat. No doubt this looks familiar to a great many Kansas growers. You will find latest rust information in the accompanying article by Mr. King.

THE RIGHT SPEED

...FOR EVERY IMPLEMENT!

Every implement you use with your tractor does its best work at a certain speed. 12 forward speeds are none too many if you will stop to analyze it.

With the new Sherman "Combination Transmission" in your tractor, you have these additional gear speeds: 4 Step-Up, 4 Step-Down, 2 Reverse (including a slower reverse), 2 PTO.

Added speeds increase the usefulness of your tractor. When the going is heavy, shift to "Step-Down" and rev your engine up to get the correct PTO speed and the right ground speed. This gives you up to 37% more power. In addition, the added intermediate gears allow you to work many more acres per day on most jobs at substantial per-acre savings in gasoline, oil and engine wear.

The "Combination Transmission" is available for Ford and Ferguson Tractors. Sherman also offers a choice of a "Step-Up Transmission" or a "Step-Down Transmission" for Allis-Chalmers WC, RC and WF tractors. These transmissions provide a total of 8 forward and 2 reverse speeds to increase your tractor's efficiency and operating economy.

See your tractor dealer today—or write:

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PICK-UP REEL

When grain or beans go down, a Hume Reel will save the crop. Long, moving tines pick up all the crop, reel it in evenly, gently without shattering. Harvests bigger yields from standing grain, too. See your local Hume dealer.

Write for complete information if your dealer cannot supply you.

**Fits All
Combines**

H. D. HUME COMPANY • MENDOTA, 9, ILL.

Master Farmers

(Continued from Page 4)

under each year, and about 80 acres of legumes grown. No field on the farm goes more than three years without summer fallowing or legumes in the rotation. A cow herd of purebred Herefords is the principal livestock project, with hogs carried as a second and supplementing project. Only good seeds of adapted crop varieties are used.

Active in both Farmers Union and Farm Bureau, Mr. Grimes also has been a Sunday school superintendent, church trustee, Sunday school teacher, school board member, Farm Bureau township vice-president, member executive board, delegate to the State Farm Bureau and delegate to the State Board of Agriculture meeting. He received the bankers certificate of award in his county for his outstanding soil-conservation program. Other members of the family include Mrs. Grimes, Carol Dee, Homer Lee, and Merlin Doyle.

Herman Darnauer, Goodland, manages 1,280 acres, with 800 owned and 480 rented. Cropland is farmed on the contour and 50 per cent of the land is fallowed each year. Unusually good grain yields are due to fallow, contouring, use of proper tillage instruments at the proper time, following recommended seeding dates, and using high-germination seed of adapted and recommended varieties. Cattle feeding is the main livestock project and there is good planning for providing not only an adequate supply of feed, but a good reserve of silage. Two large upright silos are used and an electric silage unloader cuts labor to a minimum. Hogs are a secondary project.

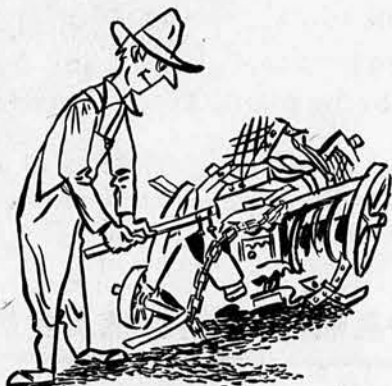
Mr. Darnauer is a member of several farm and community organizations. He has been a 4-H Club leader, church treasurer, church deacon, school board director, township vice-chairman and Farm Bureau board member, chairman church building committee, and member of the executive board of the Boothroy Memorial Hospital. He is a member of the Goodland Chamber of Commerce and has been active on bond drives, USO, and CROP campaigns. Mr. and Mrs. Darnauer have 2 children, Twyla Faye and Wilma Ann.

Ralph W. Tuttle, Ulysses, manages 4,750 acres, with 3,320 acres owned and 1,430 acres rented. A total of 3,460 acres is cultivated. Some land is terraced and farming is done on the contour. Stubble and crop residues are used to prevent erosion. Some irrigation is used, mostly on legumes for feed insurance, altho water can be turned on to from 1/2 to 3/4 section of wheat. Wheat and milo farming plus lambs on wheat pasture and steers on summer grass and fall, winter and spring wheat pasture, make up the most profitable enterprises. Mr. Tuttle has done an outstanding job of rebuilding old pasture land thru reseeding and proper grazing management, greatly increasing the carrying capacity.

Mr. Tuttle is a member of the Grant County Chamber of Commerce, Rotary International, Farm Bureau, Ulysses Co-op Association, Pioneer Co-op Association and on the Grant county fair board. He teaches a Bible class in Sunday school, is a school board member, vice-president of the Garden City Federal Farm Loan association, member Western Kansas Development Association, Southwest Royalty Owners Association, and Grant County AAA committee until 1949.

The Tuttle family consists of Mr. and Mrs. Tuttle, Fern, Merle and Glenn.

Uncle Sam Says



"Remember! . . . pile up all scrap metal around the farm and sell it now—to aid National Defense effort and for extra income!"

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POWER is
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at just 2 ounces per acre

aldrin controls all species . . . regardless of hopper count.

America's farm papers have been telling the aldrin story with great enthusiasm. "It's amazing" . . . "terrific power" . . . "lowest cost per acre" . . . "Wherever aldrin gets to hoppers, they die" . . . etc.

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In all hopper areas the results are the same . . . wherever aldrin is used, grasshoppers cease to be a problem. Aldrin kills by ingestion, contact and fumigation, with an average kill of 96% in 3 days. Make sure you get on your dealer's list for aldrin now . . . it will be scarce before the season ends!

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Aldrin is available under the brand names of leading insecticide manufacturers. Consult your local dealer and county agent.

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Is Easier Than Canning... Means Better Meals TO FARM FAMILIES

... AND HOW THEY
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Store meat, fish and poultry at its flavorful best in a money-saving food freezer and stretch your food dollars.

IT'S easy to serve nutritious, tempting meals the year 'round, with a money-saving food freezer. You can freeze vegetables and fruits fresh from your garden and have them ready for the table at a moments notice whenever you want them.

Gone are the days of canning drudgery... and you have vitamin-packed

fresh vegetables all winter long. If you have a locker in town you can bring home larger quantities of food and save extra trips to the plant. Yes,

Ask your appliance dealer or a representative of one of the electric companies listed below for more information about a food freezer.

Imagine having ice cream, cookies, pies and cakes ready all of the time. Surprise parties and unexpected guests are fun with a freezer.

you can save both time and money with a food freezer.

Your dealer will help you choose a food freezer to fit your exact needs. He will also suggest other new electrical appliances that will make farming more profitable and living more comfortable in the farm home.

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Answers to Your Flower Questions

By FRANK PAYNE

JUNE not only brings roses but also a big crop of peony questions. This year is no exception because every other letter someone is worried sick over his peonies or the failure to bloom. Here is the first one:

Question: Ants are crawling all over my peony buds. Will they hurt them? If so, what can I do to prevent damage?

Answer: The reason you have ants on your peonies is because there is a sticky, honey-sweet sap coming out of the buds and ants dearly love anything sweet. ANTS DO NOT HARM peonies, neither do they eat the buds. So you just as well let them alone.

Now abnormal weather this late spring has caused a lot of flower growers to ask this question:

Question: My peonies failed to bloom this year. They came up early and had nice buds, then later the buds died or blasted. Now, my neighbor has some and they bloomed nicely. Why did his bloom and mine fail?

Answer: Thousands of folks puzzled over the same problem. It happens when peony buds are about the size of large peas, the buds are then quite tender, especially on early-blooming varieties. At that time there was a sudden cold snap, with temperature down

the trouble because mine bloomed as profusely and as easily as dandelions in a lawn! My investigations now cause me to explain their troubles first by giving you some data on the different types and varieties of Hydrangeas.

The 2 hardy outdoor types are called Hydrangea A. G. also Hydrangea P. G. Both have large, white blooms and bloom in July. However, P. G. turns pink later in August while the A. G. type is white and stays white.

The third type of Hydrangea is the kind grown in the greenhouses and are called "French Hydrangea." They are forced into bloom early for Easter and Mother's Day trade and are always grown in clay pots. The blooms are various shades of pink, lavender and sometimes blue when certain chemicals are added to the soil. Now this French variety will grow outdoors, but the flower buds are not hardy and they simply will not bloom in Kansas! The flower buds winterkill like a peach bud when it gets below zero. I am sure some folks are planting these French Hydrangeas instead of the hardy kinds. They may have bought them in good faith but they simply were not the hardy kinds for outdoors. If you want that kind, go to a reliable nurseryman

Especially for Women, July 7 . . .

In the next issue of *Kansas Farmer* you may get party ideas for that all-important birthday party for all ages, from young fry to grandmother. Watch for "Everybody Loves a Party" in the July 7 issue.

to 18 degrees above zero and buds on early varieties froze. Late varieties were not so advanced, which gave them some protection from the hard freeze.

There is no doubt you have the early varieties that froze, while your neighbor has later kinds and that is the reason his bloomed, but yours froze. If it will make you feel any better, remember you were not the only one to suffer loss this year in the peony crop. We, too, had a short crop on our 2 acres of peonies. Only one fourth of normal crop was cut, last year we cut 1,800 dozen bunches, this year only 400 dozen. So you see, there is such a thing as a poor or short crop of flowers, just the same as a poor wheat crop or corn failure. Yes, all folks have their troubles, but I still keep on growing flowers and love it too, regardless of good or bad seasons. After all, isn't that just what all of us farm folks learn to do? Sure it is, that's why we are good farmers!

Away back in January I told you flower lovers I wouldn't answer questions on shrubs because that was out of my line of experience in growing flowers. At that time I didn't know a certain problem would arise. It did and it's all about hydrangeas not blooming. Now, it just happens I have grown the hardy kinds here around my home on the east and north sides of the house the last 8 years and they do real nicely, too. Not a bit of care or trouble, just prune back once a year and no failures in bloom. Yet I received dozens of letters asking about bloom failure.

Well, I had never heard of such a thing and I just couldn't understand

and ask for the hardy shrub kinds, either A. G. or P. G., then you won't be disappointed.

I also am getting letters from flower and garden clubs, home demonstration agents and other groups asking whether I ever speak before groups interested in growing flowers, also whether I would help judge at flower shows. The answer is yes to both questions, if the date is such that I can attend and not interfere too much with other appointments or work here on my farms.

I always am glad to spread the gospel of growing flowers, especially to farm folks. Only last month I enjoyed a beautiful flower show put on by the Atchison County Home Demonstration groups. Some arrangements made by these farm women were just as nice as any city flower show I have had the pleasure of seeing in the last 30 years.

Last, but not least, this time of year, with a late, wet spring, always brings rose growing problems. The 3 that bother roses most are chewing insects, sucking insects and black spot on leaves. You must use the right kind of spray material to destroy the insect or disease or you waste your time, money and efforts. It happens there is a complete spray material that handles all 3 problems with one material so you can't possibly go wrong. The name is Triogen and you can get it at your local seed store. Follow directions printed on the bottle carefully, then your roses will smile for you.

My next questions and answers will be about other kinds of flower problems you may have at this season.

Wichita Farm Club Tours Research Plots

LAATEST progress in agricultural research at the Kansas Agricultural Experiment Station was viewed May 24 by 50 members of the Wichita Farm and Ranch Club. They toured Kansas State College and outlying experimental areas and buildings near Manhattan.

Two busloads of Sedgwick county farmers and businessmen made the trip. Dr. A. D. "Dad" Weber, associate director of the experiment station, acted as host to the group and accompanied them on the day's tour.

Top, prize-winning beef animals and others, kept primarily for student judging work, were displayed and discussed by Don Good, member of the college animal husbandry department staff and coach of the recent student livestock

judging team which won first place among 32 teams competing at the International Livestock Exposition, Chicago.

A popular stop on the tour was an inspection of the Kansas artificial-breeding service unit, animals and buildings. F. W. Atkeson, head of the college dairy husbandry department, told of the beginning of the unit and of its activities, including work of the fieldmen who serve the various counties. At the Agronomy Farm, the group heard discussions on wheat varieties, rates and methods of fertilizer applications, alfalfa variety studies and soil fertility plots. During a morning tour, the club members inspected pasture areas and heard of proper grass use in a "grassland agriculture" program.

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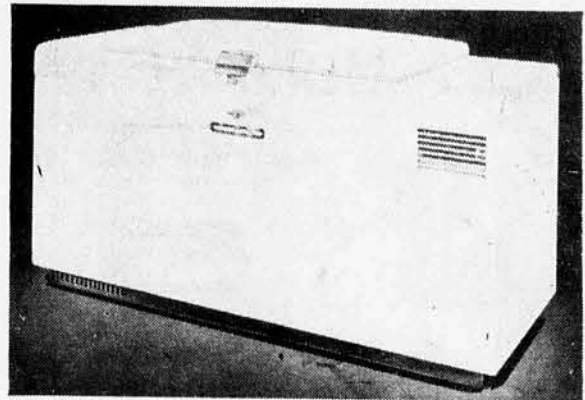
FRIGIDAIRE HOME FREEZER!

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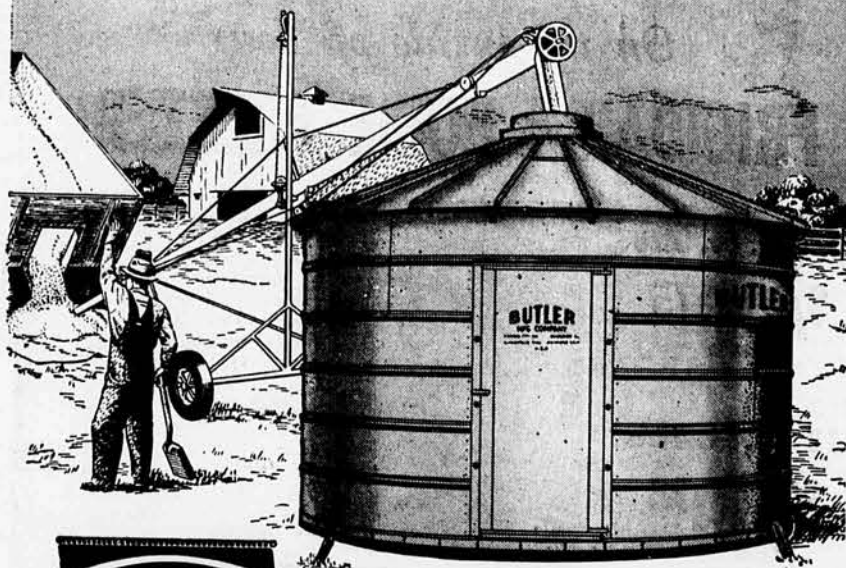
And Quality is more important in your home freezer than in any other electrical appliance you buy. Here's why: Inside your food freezer you'll find that you have around \$16.00 in food for every cubic foot of space. That food must stay frozen or become waste. And it must remain at a fairly constant low temperature or it loses value in a matter of weeks. Constant temperature, economical operation, heavy-duty insulation and the world-famous Meter-Miser compressor are your guarantees for the safe-keeping of the delicious fruits, vegetables and meat-cuts. Start this season right with a Frigidaire Home Freezer with all the many marvelous new features.

Come In! See Why You Can't Match a Frigidaire

SEE THEM AT ANY OF THESE DEALERS

ABILENE Shockey & Landes	DODGE CITY Newkirk's	LACROSSE Pittman & Pittman	PARTRIDGE Kearns Radio & Elec.
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ANTHONY Wood Music Co.	EL DORADO Home Appliances, Inc.	LEBANON Lebanon Electric	PITTSBURG Rodkey's
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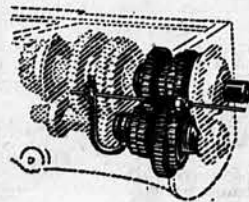
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What's New About Crops

SEVERAL hundred farmers from Eastern Kansas toured Kansas Experiment Station plots at Manhattan, June 4 and 5, during the 23rd annual field day. Here are a few highlights on what they saw and heard.

Oat varieties—A new hybrid oat involving Anthony, Bond, Richland and Fulghum as parents, has been tested 3 years and is making a good showing, yielding somewhat more than Cherokee and Nemaha.

Spring small grains—Oats have greatly outproduced either spring barley or spring wheat in tests conducted for 27 years.

Sweet clover—Two diseases, a root rot and spring blackstem, are causing considerable damage in some parts of Kansas. Possibility of obtaining a disease-resistant strain by plant selection is being studied.

Weed control—CMU, a new chemical classed as a soil sterilant, is giving good results on Johnson grass, but is not yet on the market. TCA is still the best available for control of prickly pear cactus.

Alfalfa—Seed will be scarce and expensive this fall. If you are unable to buy good seed of an adapted variety, do not seed any.

Brome grass fertilization—Results

show maximum rates of nitrogen application are about 100 pounds an acre. This amount is contained in 300 pounds of ammonium nitrate or 500 pounds of ammonium sulfate. Applications supplying 65 to 80 pounds of nitrogen an acre have proved most practical.

Grass breeding—Work is being done on reed canary grass, which is very productive on low, wet areas, but also is somewhat drought-resistant. A non-shattering productive variety is being sought. New nurseries are being established for switchgrass, sand lovegrass and sand bluestem. A major breeding program is on Sudan grass. Very promising results are reported in getting productive, later-maturing, excellent-tillering, leafy, and disease-resistant strains.

Fertilizers on wheat—Combinations of nitrogenous and phosphatic fertilizers have brought relatively large increases in wheat yields. Time of application on nitrogen fertilizer has not made much difference. There has been little or no difference shown in testing various types of nitrogen fertilizers. Experiments this year have included spraying various amounts and kinds of liquid nitrogen fertilizers on growing wheat plants at different periods of growth. More tests are needed.

Here's What to Do If Plants Turn Yellow

By WILLIAM G. AMSTEIN, Kansas State College

IN THE next 60 to 90 days many Kansas lawns, shrubs, trees and plants of all types located in central and western counties especially will develop a yellow or light-green foliage. Many answers will be given to this condition. One of the most common is chlorosis. This is a condition caused by reduction in amount of chlorophyll in leaves. Loss of green coloring matter is due to inability of the leaf to make food.

Are Many Causes

Many separate reasons may cause this yellow or chlorotic foliage to develop. Low temperatures, excessive soil moisture, toxic materials in soil or air, surplus of soil minerals; or lack or non-availability of needed plant foods are all possible causes of this trouble.

A most common example is chlorosis or yellow foliage of some shade trees, especially pin oak. This condition often develops in Eastern Kansas on pin oak, but is not noticed on other plants in the same area. In the oak tree it is not lack of iron, but perhaps rather the non-availability of iron that causes light-colored foliage. In many Kansas soils there may be plenty of limestone, but the iron may be present in a form that cannot be absorbed by the plant.

Other chlorosis examples in trees and shrubs that also may be due to lack of available iron are silver maples, cottonwood, box-elder, catalpa and spirea. In some fruit trees showing yellowing, a lack of or the nonavailability of nitrogen may be the cause.

Leaves of affected plants may turn uniformly yellow and the terminal growth may be slow. In some severe cases whole branches or the entire tree may be lost due to chlorosis.

Treatment May Help

Special treatments may correct this condition if it is due to lack of iron or inability of iron to become available to the plant. Some common treatments for chlorosis are: (1) spraying iron salts on foliage; (2) injecting the salt into trunk or roots and (3) applying chemicals to the soil where they can be picked up and used by the roots. Materials other than iron salts may be necessary to provide needed soil reaction in some cases.

Quick response often can be obtained on some foliage by spraying leaves with a solution containing 5 pounds of ferrous sulphate and 2 pounds of soybean flour in 100 gallons of water. For a gallon, use 2 ounces of ferrous sulphate. Two or more treatments a year may be needed. "Copperas" is a common trade name for ferrous sulphate. Late afternoon spraying is suggested. If results are to be obtained, the normal green color will be noticed 10 days after treatment. Other forms of iron may be used.

Injection of iron salts into the trunk

of trees showing a chlorotic condition usually will give longer lasting results, but results are not as immediate or spectacular as with spraying. Ferric phosphate or ferrous sulphate are used for this purpose.

A hole bored with a $\frac{1}{2}$ -inch bit 2 inches deep is satisfactory. Slope hole downward some to contact as much sapwood as possible, as well as to keep the material from dripping out when it is dissolved. A treatment of 5 grams of ferric phosphate for each diameter inch of tree trunk is suggested. Capsules can be used to handle the material. The holes should be sealed with putty or grafting wax after treatment. It is best to apply this method of treatment before growth starts in spring. Space holes 4 to 6 inches apart around tree.

Will Last Longer

Soil treatment is longer lasting but slower to show results. Other materials along with iron may be added. A mixture by equal weight of ferrous sulphate, aluminum sulphate and sulfur applied to the soil at the rate of $\frac{1}{2}$ to 1 pound for each inch of trunk diameter at the ground line will correct many chlorotic trees. Early spring treatment is preferred. Place the materials in holes 1 to 2 feet deep and 2 to 3 feet apart at outer spread of branches. A crowbar or auger will serve to make holes. Better results will be obtained if the chemicals can be watered into the soil.

Shrubs may be treated by placing these chemicals in a trench 4 to 6 inches deep just under the spread of branches. Or use $\frac{1}{4}$ to $\frac{1}{2}$ pound ferrous sulphate for each foot spread of the shrub.

For lawns, 2 to 4 pounds of iron sulphate to 100 square feet will usually do the job. Sulfur at the rate of 1 pound to 100 square feet might be used but results are slower.

Avoid Cultivation

Where chlorosis is noticed, cultivation during growing season should be eliminated or kept to a minimum. Applications of barnyard manure in late spring or summer should be avoided, except as a top-dressing with no cultivation.

Do not expect quick results from any treatment. Results may last several years or require more treatment in a few years. Nitrogen fertilizers alone will often do much towards correcting the yellow appearance of lawns in some Kansas counties. But in Central and Western Kansas counties the other materials suggested usually will be needed.

An application of these materials on the garden area, strawberry or flower bed as suggested for the lawn will improve appearance of foliage on these plants, also.

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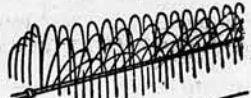
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Marketing Viewpoint

By Leonard W. Schruben, feed grains;
Paul L. Kelley, dairy products; Joe W.
Koudele, poultry and eggs; Harold M.
Riley, livestock.

What do you think wheat prices will
do during the next year?—J. K.

Prices averaging above support levels are expected for wheat during much of crop year beginning July 1, 1951. Prices expected to weaken during harvest season and may decline below support rate. If decline of this proportion is realized, a post-harvest recovery is likely with prices advancing above support rates by mid-fall. Under pressure of stockpiling, wheat prices may reach 100 per cent of parity for brief intervals during year but not likely such a situation will prevail for extended periods.

Without exception, wheat prices at Kansas City have been above loan rate sometime during every year since support program began. Typical price pattern indicates lower prices during harvest movement, followed by price recovery by early fall. Wheat prices are expected to follow this pattern during 1951-52 crop year.

When might prices of eggs be controlled, and would farm egg prices be affected?—R. J.

Latest issue of Poultry and Egg Situation gives the following explanation: "Present regulations of the Office of Price Stabilization provide that if the U. S. average price of eggs equals or exceeds 100 per cent of parity, prices shall then be frozen within 5 days. Under terms of Amendment 7 to the General Price Ceiling Regulation, the freeze would be applied at all levels of trade at prices not higher than the highest charged in the 5 weeks immediately prior to the freeze date. But it should be realized these regulations are subject to further modification. The freeze, if it occurs, could later be modified in view of seasonally changing parity levels, or supplanted by a dollars-and-cents schedule of ceiling prices. Until egg prices reach 100 per cent of parity the original General Ceiling Price regulation remains in effect. This regulation freezes egg prices at highest levels of the December 19, 1950-January 25, 1951, period, with a 'pass-thru' provision for increases until producer prices reach 100 per cent of parity.

"If egg prices reach the 100 per cent of parity level within the next few months before they have risen very far toward their seasonal peaks, it is possible that handlers' prices then would be lower than in the original base period specified by the General Ceiling Price Regulation. However, this would not be a rollback of producers' egg prices because prices already have declined from the old freeze levels under pressure of the seasonally large supplies which were marketed in the early months of 1951. The present legislation which authorizes price control, the Defense Production Act of 1950, expires on June 30, 1951."

What is the parity price for choice
fat cattle?—K. W.

There is no official parity price for cattle by grades. In figuring parity, all classes and grades of cattle are lumped together and one figure is given. Parity price for beef cattle on May 15 was \$19.80 which represents average for all classes and grades.

USDA calculated a "parity equivalent" for several classes and grades on Chicago market from 1942 thru 1950. This "parity equivalent" was based on the 1922-to-1941 average relationship of Chicago prices for each grade to the average "price received by farmers for beef cattle." Choice cattle (called "good" before 1951) averaged 45 per cent above the U. S. farm price during May. Thus, the parity equivalent for choice steers at Chicago would be \$19.80x1.45 or \$28.70, as of May 15.

Parity equivalent for each grade changes seasonally. May happens to be month when choice cattle are usually lowest. October happens to be month when this grade is highest. In October choice cattle averaged 62 per cent above the U. S. farm price. If the index of prices paid by farmers does not change between now and October, the parity equivalent will be \$19.80x1.62, or \$32.10. Remember this is parity equivalent—not official parity.

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TESTS SUGGEST THAT
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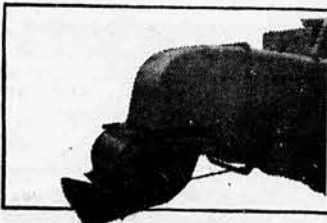
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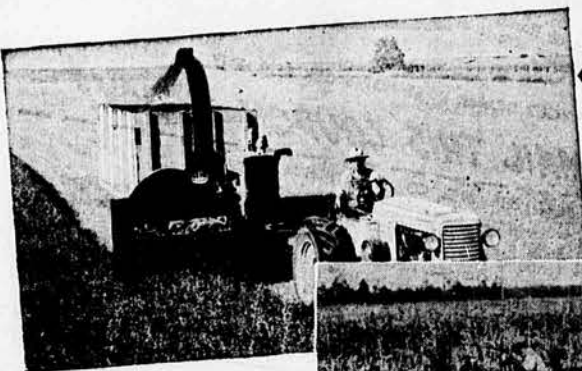
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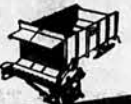


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Thoughts

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Today

YESTERDAY is memory; tomorrow is hope; today is the great reality. Yesterday is gone; tomorrow may not come, but today is mine. We live in the present, that moving point at which the past touches the future. The past effects the present as both will effect the future. We can't change the past, and we can't have an unrelated future, but we can make the best of today.

It is important to realize we are living today. The scholar sometimes assumes life will begin with commencement, and the soldier thinks he will really live when he gets back into civilian affairs again. But his army experience is not an interlude. It is as much a part of life as any other will ever be.

Occasionally, a farmer will work like fury so he can afford to move into the city. Then he slaves to earn enough money to retire on the farm. He wastes much of life in his struggle to get back to where he could have been all the time.

City dwellers also succumb to this futuristic folly. Men will sometimes sacrifice the joy they could have with their families, the good they could accomplish along the way, so they

can amass enough money to enjoy their retirement. Since when can joy be purchased? Many men do not reach retirement and many of those who do are so burdened with age the pleasures they foresaw are only a mirage.

The Psalmist wrote, "This is the day which the Lord hath made; we will rejoice and be glad in it." What a wise man he was! The man who lives each day to the full has nothing to regret and to be sorry about tomorrow.

And what is true of joy also is true of work. Postponing a job does not accomplish it. It merely overburdens tomorrow. Accomplishments are one of the sources of happiness. Therefore, it behooves us to do today what our hands find to do.

The man who dreams of being virtuous in the future, of having heaven for his destination, does well to remember the only way to prepare for a home in heaven is to make home like heaven today. Horace, of Latin literary fame, wrote: "Dare to be wise; begin! he who defers the hours of living well is like the clown, waiting till the river shall have flowed out: but the river still flows and will flow forever."

—Larry Schwarz

Trouble for Hoppers in New Chemicals

THERE is one thing to cheer about in Kansas this year, for sure. That is the grasshopper situation, according to Dell E. Gates, Extension entomologist, Kansas State College.

"There are fewer grasshoppers in Kansas this year and farmers have newer and more deadly weapons with which to kill them," says Mr. Gates.

He was referring to the 3 new chemicals—Aldrin, Chlordane and Toxaphene. Other new drugs that show promise include Dieldrin, Dilan, Heptachlor, Lindane, Methoxychlor and Parathion.

"It always is wise to stick with drugs that are fully tested for grasshopper control," says Mr. Gates. Sprays and baits are best under Kansas conditions as dusts are too easily affected by wind, he explains. Here are brief instructions on use of the new drugs as outlined by Mr. Gates and approved by the U. S. Department of Agriculture.

Sprays (amount of drug to use to cover one acre)—Aldrin, 2 ounces;

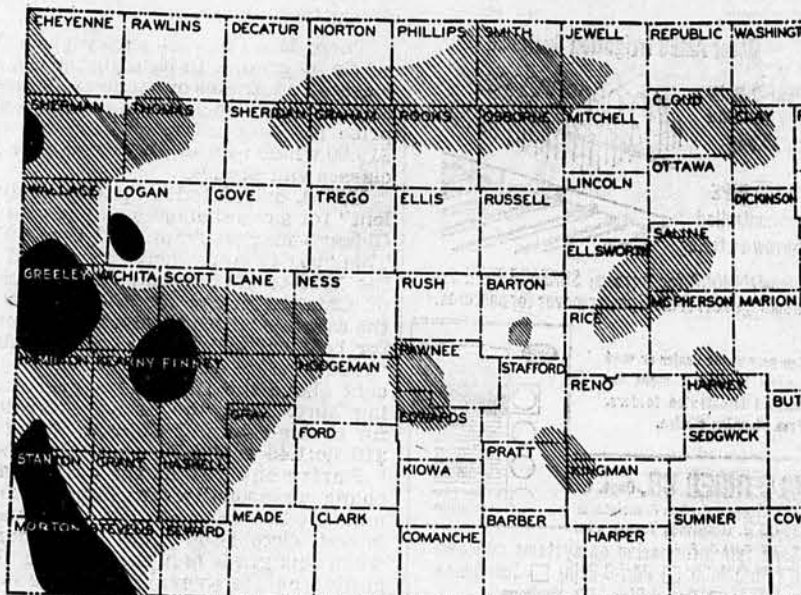
Chlordane, 1/2 to 1 pound; Toxaphene, 1 to 1 1/2 pounds.

Use the lower dosages of Chlordane or Toxaphene for young grasshoppers in short, dense, succulent vegetation and on open stands of taller growth when long-continued killing action is not essential.

Use higher dosages when vegetation is tall and dense, or when long-continued killing action is desired. When it is necessary to control young grasshoppers before the main hatch is completed, higher dosages may extend residual action long enough to kill the rest of the hatch, and thus save cost of a second treatment.

Dosages even higher than those listed may be needed for treatment of barrier strips or for late-season use when grasshoppers are adult and vegetation is maturing. When vegetation becomes so dry grasshoppers feed on it only sparingly, failure will result regardless of dosages used.

(Continued on Page 15)



GRASSHOPPER INFESTATION in Kansas is less this year than last. This map gives you a good picture of conditions. Black areas are where serious infestation has been found. Shaded areas represent light infestations. See story on this page for recommended control measures.



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When an entire alfalfa field is infested with damaging populations of grasshoppers, it generally is best to cut the alfalfa and then apply Aldrin, Chlordane or Toxaphene to protect the next cutting. Spray field margins, ditch banks, patches of weeds or uncut strips of alfalfa where grasshoppers have concentrated. To control grasshoppers after first cutting, spray next crop when growth is about 6 inches high. This practice kills the hoppers and residues will be gone by the time the next hay crop is ready.

Range grasshoppers can be controlled more completely and economically with Aldrin sprays than with baits. Two ounces of Aldrin in 1 gallon of solvent per acre is enough. Begin control measures when hatching of dominant species is completed and finish before egg laying begins.

Wet baits—Aldrin, Chlordane or Toxaphene in the form of emulsifiable concentrates or wettable powders can be substituted for sodium fluosilicate in any wet-bait formula containing bran and sawdust. Aldrin at 2 ounces, Chlordane at 1/2 pound, and Toxaphene at 1 pound per 100 pounds of dry bran and sawdust are as effective as 6 pounds of sodium fluosilicate.

Stir the emulsifiable concentrate or wettable powder into the quantity of water required for wet baits and apply to the bran-sawdust mixture in a single mixing operation. Use enough to provide the amount of insecticide indicated in the following formula:

Mill-run bran, 25 pounds; sawdust, 3 times the volume of bran, 3 1/2 bushels; Aldrin, 2 ounces, or Chlordane, 1/2 pound, or Toxaphene, 1 pound, or sodium fluosilicate, 6 pounds. Water to make a moist crumbly mash, 10 to 12 gallons.

Spread wet bait uniformly by hand or with broadcasting machines at rate of 20 pounds an acre.

Dry baits—Better than wet baits for use from airplanes. Use 2 ounces of Aldrin, 1/2 pound Chlordane, or 1 pound Toxaphene to each 1/2 gallon of solution. Kerosene and fuel oil have been used as solvents. Apply oil solution as a finely-divided spray at rate of 1/2 gallon to 100 pounds of coarse, dry bran containing no flourlike material. Spread at rate of 5 to 10 pounds dry bait an acre. This cannot be done by using broadcasters designed for handling wet bait.

Precautions—Be sure to follow all precautions recommended by the manufacturers. All of these drugs are highly toxic to men and animals.

Wheat for India

Dear Editor: I note Russia is letting India have wheat. I have no wheat but I will get some of a neighbor if enough others will come thru with whatever they can afford and let's send India some Kansas wheat. Such a plan might prove better than dropping bombs on Russia.—J. W. Morgan.

Note: Folks interested in sending wheat to needy peoples should please get in touch with Clarence Malone, Crawford Building, Topeka, Kan., who is head of OROP (Christian Rural Overseas Program) for Kansas.—R. H. G.

Poultry Grant

Kansas State College poultry department has received a \$1,500 research grant from the International Baby Chick Association, Kansas City, Mo. This money supplements similar contributions the last 2 years to study causes of infertility in broad-breasted bronze turkeys.



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GRANDMA . . . By Charles Kuhn



Now That You Have Electricity

IT ISN'T too far from electric fan season and about time for our annual remark about giving fans a good lubricating before putting in operation. Also, wipe blades carefully so that no excess oil and dust is present. Excesses of this material can throw the fan off balance enough to shorten its life measurably.

Window fans are scheduled as a popular item this year. They perform a distinct duty by circulating fresh, cool night air thru the house. Sizes and styles from a small 10-inch unit to a 2-speed, 30-inch model are in the popular ranges.

Here's another use for an electric drill added to the variety we have told about in "Now That You Have Electricity." This time it is a chicken mash mixer that sports a homemade mixer of strap iron sidearms welded to a half-inch shaft.

From the west coast comes the story about saving 2 valuable Brahma calves with an electric blanket. The 2 calves fell into a reservoir on the farm and were nearly drowned. When artificial respiration and other first aid were insufficient to overcome the chills and shock, and a small electric heater was entirely inadequate, the blanket was brought into use. Turned to "high," the

blanket stopped the shivering and the calves soon were normal. Of course, the blanket was a wreck but what was that small cost to the possible loss of \$300 worth of Brahma?

Now that the heat is off in the furnace, one of the most disagreeable household tasks can be accomplished with electrical ease—cleaning the hot and cold air conduits. The long-arm attachment to your electric sweeper will reach deep into each register and remove much of the winter's accumulation of dust and soot.

Something new in pressure cookery involves the ordinary small pressure unit plus an electric heating element and timer now on the market. The pressure valve on the cooker fits into the timing device which is pre-set to open the valve after a specified number of cooking minutes. Current also is shut off automatically.

In a commercial broiler establishment, we read, infrared lamps are a big item in raising 20,000 chicks. Each of 38 brooding units is equipped with six 250-watt heat lamps. This amounts to about 500 chicks per unit and something over 80 chicks per lamp.

Ozone lamps are appearing more frequently in appliances such as dishwashers, refrigerators, clothes driers. The tiny (1½ inch), 4-watt bulb is relatively new in the deodorizing field, giving off barely noticeable concentrations of ozone which is a form of oxygen produced when electricity is discharged into air. The bulb operates on household current and besides acting to remove odors it has a mildly germicidal effect.

A novel idea now found on at least one line of electric range is a small electric heater for the built-in condiment set. The heater acts as salt-conditioner, that is, it keeps salt warm, dry and smooth-flowing.

This automatic age is even taking the work out of setting the alarm clock. Repeater models of electric alarms operate to sound the buzzer at the same time each morning without so much as a look from the operator. The clock can, of course, be reset and turned off conventionally.

We suggest that your spring house-cleaning include giving all light bulbs, reflectors and lamp bowls a good, sudsy (Continued on Page 17)

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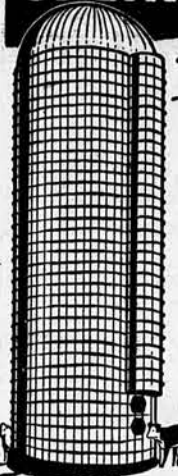
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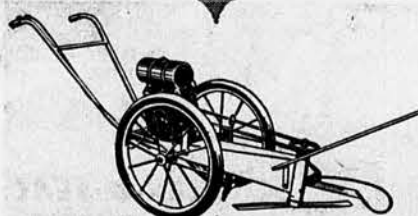
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bath. It's surprising the increase in lighting efficiency that can be achieved. And those who have television may wish to remove the face from your cabinet and wipe the dust from the picture surface of the tube. The electronic effect of TV reproduction has a tendency to draw dust and reduce brilliancy. Be sure the wiping cloth is soft and lint-free.

Perhaps you recall the advertisement of the Kansas electric companies telling of heat lamps for use in brooding pigs, calves, lambs and chickens. It also suggested the lamp can be used for protecting plants from frost, thawing out sinks and pipes, heating workbenches, making motors start easier and protecting radiators. To uses for this device add performing as temporarily small substitute for an electric space heater, to speed drying paint, also hair after shampooing, above the bassinet during baby's bath.

If you go in for deep-fat frying, a new electric cooking utensil will interest you. The box-like device features a heat regulator so fat can be held at any desired temperature, and the heating elements cast into the sides of the aluminum frying well heat all portions of the fat evenly but leave a "cool well" at the bottom to prevent burning. The fat can be stored in the fryer and used again according to directions. There is lots of room for doughnuts, chicken, fish, potatoes or other foods that taste so good when cooked this way.

Adding to ways of using electric drills, newest is on cleaning paintbrushes. The device we saw resembled a square U upside down with a bit tip welded to it to be inserted in power source. By bending metal strips inside the U, the paintbrush could be firmly clamped and inserted inside a jar of solvent. A flip of the switch and the paint would be spun from the brush.

Are you making preparations for harvest? May we suggest that pies and cakes, biscuits and breads needed during a busy season be baked any time and kept in your freezer until just before dinnertime.

We saw a clever combination of heating element and fan used as a clothes hamper. The electric units in the bottom force warm air up thru lingerie, diapers, towels that may be placed in the device. It is of tubular design. May also serve as a bathroom heater or with damp towels hung inside and the fan on—as a cooler.

We heard of an automatic valet cabinet, an electrically-heated steam closet that removes wrinkles from garments and replaces the creases. It also raises nap of fabrics, removes shine, sterilizes, deodorizes and demoths.

Storage Loans Extended One Year

The farm storage facility loan program of the U. S. Department of Agriculture has been extended thru June 30, 1952. The Kansas State PMA committee, Manhattan, says this provides an opportunity for another 12 months to obtain loans thru the Commodity Credit Corporation for financing construction or purchase of new farm storage facilities for grain and certain other storable crops. The original program was scheduled to expire June 30, 1951.

Since the program was begun in June, 1949, farmers in Kansas have built storage facilities with a capacity totaling more than 8,114,000 bushels thru loans amounting to more than \$1,960,000. As of April 30, reports the state PMA office, loans thruout the nation totaling about \$23,400,000 had been approved for farm storage structures having an aggregate capacity of more than 85,000,000 bushels.

Something Different!

Why not plan a hobby party or hobby show? It has been said the happiest people have hobbies and such an entertainment would interest many folks. The show or party may be given just for fun, or to raise money for some worthy cause. A new leaflet, "A Hobby Show," tells just how to plan such an entertainment or show. Please address Home Editor, Kansas Farmer, Topeka. Price 3c.

WHY PUMP AND CARRY?

LOSING MONEY—

The hours you spend carrying water should be spent doing other farm work. The pump-and-carry method is a hard, back-breaking, time-wasting chore that never gives you enough water for your stock. If you do not have running water, then you're losing money that could be yours, because a Dempster Water System pays for itself with more eggs, heavier hogs and cattle.

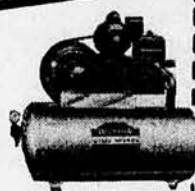


MAKING MONEY—With a Dempster Water System you'll always have plenty of fresh, clean, weight-producing water in the feedlot tank... the barn... the brooder house. You can have all the water you need—wherever you want it—simply by turning a faucet! Ask your Dempster dealer for a free estimate on installation, and for facts on how a Dempster Water System actually pays for itself!

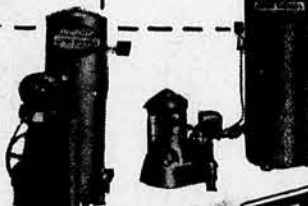
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Seneca, Kansas

Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



Recipes for Summer Days

SUMMER days seem extra busy. Brilliant sunshine, warm breezes, maturing gardens are ever a part of summer. Families must continue to be fed. Cooking has to be done. Something a bit new will intrigue the cook and the family and the guests.

How about a refreshment tip? Keep sandwiches simple for afternoon and Sunday evening snacks. Two kinds that go well together are currant jam with ground walnuts and butter on white bread, and thin slices of brown bread spread with cream cheese. Cottage cheese flavored to taste is delightful too.

New French Dressing

To those of you who prefer a French dressing made with lemon juice in place of vinegar we offer this new recipe, a delightful change.

1/4 teaspoon salt	1/4 teaspoon sugar
1/4 teaspoon dry mustard	dash paprika
	juice of half lemon
1/2 cup salad oil	

Mix all ingredients in jar and shake well before using. This may be kept in refrigerator indefinitely, ready for using on salads at any meal. Remove from refrigerator an hour before using.

Summer Salad

1 small head lettuce or leaf lettuce	12 radishes
few leaves spinach	2 hard-cooked eggs, sliced
12 green onions	

Break, do not cut, lettuce and spinach into pieces. Slice radishes and onions. Place these ingredients into salad bowl and add sliced eggs. Pour French dressing over vegetables and toss very lightly. Serve while vegetables are cold.

Southern Style Steak

2 pounds chuck steak	2 tablespoons fat
salt	1 large onion
pepper	1 medium green pepper
1/4 cup flour	1/2 cup uncooked rice
2 cups tomato juice	

The steak should be cut 3/4-inch thick. Then cut into individual serving sizes. Season with salt and pepper and pound flour into meat. Melt fat in a heavy frying pan and brown meat well. Slice onion and green pepper in 1/4-inch slices. Top each steak with a spoonful of uncooked rice, an onion slice and a green pepper ring. Pour tomato juice over all. Cover and cook over very low heat for 1 1/2 to 2 hours or until meat is tender.—By Mrs. W. K.

Carrot-Cheese Salad

lettuce leaves	chopped celery
cottage cheese	small chips carrot
chopped green onion	French dressing

Arrange lettuce leaves on each salad plate. Top with cottage cheese into which salt, pepper, chopped onion and chopped celery to taste has been mixed. Over cottage cheese mixture place a small portion of carrot chips. Over all pour a bit of French dressing (recipe given above).

Curried Rice and Tuna

There is always room in a recipe file for a "quickie" suggestion. Here is one that may not require an extra trip to the grocery.

1 can condensed mushroom soup	1 teaspoon curry powder
1 can tuna fish, flaked	2 cups cooked rice

Cook rice. Mix mushroom soup as it comes from can with tuna fish, curry powder and the rice. Pour into greased baking dish. Bake in oven (350° F.) until the mixture is hot all thru. This makes a meal for 4 with the simple addition of a green salad, milk and dessert. To vary this 2 cups cooked peas may be added.



9286
SIZES
12-20; 40



9166
SIZES
12-20; 40



4738 SIZES 12-20; 30-42



4761
SIZES
34-50



9122
SIZES
34-48



4771
SIZES
6-14

Pattern Variety

4738—Sun-fashion with brief bolero. Sizes 12 to 20; 30 to 42. Size 16 dress, 3½ yards; bolero, 1¼ yards 39-inch material.

9166—For any occasion with embroidery trim. Sizes 12 to 20 and size 40. Size 16 takes 3½ yards 39-inch. Transfer included.

9286—Wrap-over with contrast yoke and pocket. Sizes 12 to 20 and size 40. Size 16 takes 5¼ yards; ¾ yard contrasting 35-inch material.

4761—Slim and youthful with button trim. Sizes 34 to 50. Size 36 takes 4¼ yards 35-inch material.

9122—Frock with soft lines and ruffle trim. Sizes 34 to 48. Size 36 takes 4 yards 35-inch; 1½ yards of lace or eyelet.

4771—Cool for your girl. Sizes 6 to 14. Size 10 ensemble takes 3¼ yards of 35-inch material.

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Here Are the Winners We Award Seven Prizes

By FLORENCE MCKINNEY

WE NEVER have enjoyed a contest more. Four editors of *Kansas Farmer* read 309 stories sent us by 7th and 8th grade farm boys and girls during our recent library book contest. Fine stories they were, too, all of them filled with reasons "Why I Like to Live on a Farm." We had trouble choosing the best ones, but now that the job is done, we are ready to announce the winners.

We graded all 309 entries and together agreed not just 3 merited prizes we offered, but 7 of them. So in addition to the first 3 awards which we already had announced, we gave 4



CHIKUITA McELROY IS TOP WINNER:
Chiquita wins \$25 award and her school \$100 in books for the library.

more, all of whom won equally, \$5 in cash and \$25 in library books for their schools.

Chiquita McElroy, of Chautauqua, wins first prize and has received her cash award of \$25 and her school wins \$100 worth of books for the library. She and her school selected the books they want from a recommended list and they will be on their way to them during the summer.

Second prize goes to Ronald Wilson, of Hazel Grove School, Bethel, in Wyandotte county. Ronald has received a check for \$15 and his school \$75 worth of books for the library.

Charles Blaser, of Star District No. 86 near Waterville, wins third prize, \$10 for himself and \$50 in books for the school library.

The 4 additional prizes we awarded go equally to Gordon K. Parr, of Pierceville in Finney county; Etta Faye Smith, of Wycoff school near Ottawa; Evan Johnson, of Alpha grade school at Inman in Reno county; and Marjo Hodgson, of Stippville school near Columbus.

The editors of *Kansas Farmer* went into the contest for one reason... because we believe a well-read person is an intelligent one, and that a desire for reading good books begins in childhood.

First-prize winner, Chiquita, is 13 years old and a brand-new graduate of the Chautauqua grade school, which she says is a 3-teacher rural school. She lives on an 80-acre farm, 25 acres in cultivation, the rest in bluestem pasture.

She apparently knows about farming for she says, "We keep a cover crop of lespedeza on this land and use it for pasture part of the year. We have strawberries, dewberries, grapes, peaches, plums, apples, pears and cherries, too. We have 5 milk cows and also some Hereford cattle. We have some timber, an ideal home for quail and squirrels."

We asked Chiquita whether she had a plan for using her cash award, but she has not made up her mind definitely.

She likes English and science most of all, especially the latter for she likes the field trips to find specimens. She is a daughter of Mr. and Mrs. Oscar McElroy and has 3 sisters and 2 brothers. She rides horseback and a bicycle and plays basketball. She's cheerleader in the Chautauqua school, too.

Here is Chiquita's story which won first prize. We hope you agree it deserves the special attention it received by our editors. All stories written by the other 6 winners will be printed in subsequent issues of *Kansas Farmer* during the summer.

Why I Like to Live on a Farm

I believe the adage, "Gold is in your own back yard," is true. Yes, I believe there are nuggets of happiness, health, and plenty, right here on this 80-acre farm.

I like to live on a farm because of the freedom I feel. I like to see and know that in my pasture are some of the most beautiful pictures in the world. In the fields and herds I learn the lessons of life, growth and death. I feel that every seed I plant is a hope. Every jar of fruits and vegetables I help to preserve is a reward for my labor.

Where, except on the farm, can a boy or girl enjoy life so full and free. On the 80 acres we call home, I may have the enjoyment of hiking, swimming, horseback-riding, fishing, hunting, and finding fossil specimens for science. If all the things I enjoy on the farm had to be bought with money, the sum would be beyond my reach.

On the farm I have the space and time to keep my calf from a tiny heifer until it is a grown cow. I learn to feed and care for animals, chicks, turkeys and geese.

I like the farm because we may enjoy the same conveniences of the city people without living in cramped living quarters. On the farm we now may enjoy the comforts of electricity, gas, telephone, and up-to-date plumbing. Still, we don't sacrifice our acres of fresh air and scenery.

If a farmer finds it necessary to go into town for supplies, repairs, or entertainment, he now has good roads, which puts distance behind. The schools in farming districts are the community centers. There are not so many pupils but each child gets individual attention.



PRINCIPAL AND TEACHER: Rodrick Wilson is teacher of 7th and 8th grades and principal of Chautauqua grade school.

However, there are enough pupils to form social groups large enough to enjoy all sorts of club activities, and play many games.

On the farm we have an abundance of the foods which the world is starving for. The very nature of farming plants faith in the heart. Each year as we plant we have faith that we will reap a harvest. The farm family actually lives the motto on the Kansas seal, "To the stars thru difficulties." The farm boy or girl has a goal to work toward.

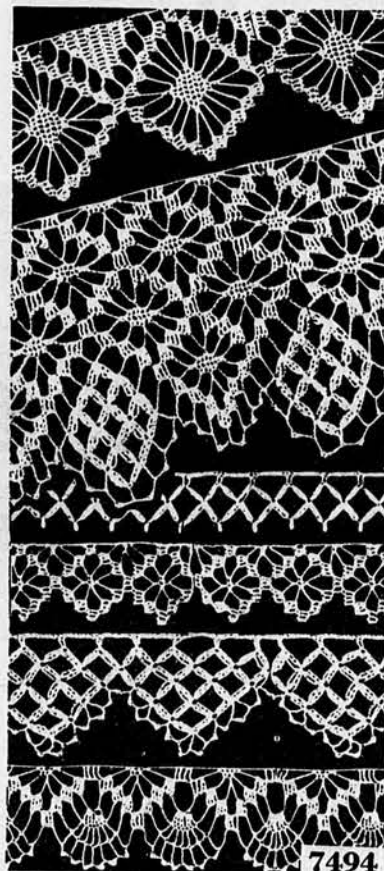
The farm boy or girl learns early in life that each member of the family has a responsibility and that he must do his share. I like to feel that even if I am not old enough to go out into the world and work in some public industry that I am a worker, and my job is essential night and day here on the farm. Even tho I am young, there are many types of practical and profitable work I may do on the farm. I get actual lessons in planning, handling money, sewing, cooking, and livestock care.

On the farm we enjoy a quiet that our city cousins dream of. We have the privacy of the nooks and hills. We hear the low call of the quail and whippoorwill. On the farm we have, free for the asking, all the things which most of the world spends a lifetime striving for.

Yes, I still believe, for the farm boy or girl, "Gold is in your own back yard."

—By Chiquita McElroy,
Chautauqua.

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Six crocheted edgings, from 1 to 5 inches wide for many uses. Pattern 7494 gives directions for all six.

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



GOES TO SCHOOL HERE: Chiquita McElroy, winner of the top award in the school library contest attends Chautauqua grade school.

♦ The Poet's Corner ♦

Growing Gifts

When Minnie came to visit me,
She brought some pansy plants.
I made for them a shady bed
Along the garden fence.

Now when I hoe the garden
At the end of every row,
I visit with the pansy folk,
As I lean upon the hoe.

Their cheery little faces
Will come back again to me,
When snow has made a blanket
For my flower bed 'neath the tree.

I think I'll raise some pansy plants,
It's a joy to watch them grow,
And I'll take flowers to lonely folks
When I a-visit go.

—By Anna K. Leonard.

The Crowning Insult

Dad's pocket is holler
I make no pretense
I reach for a dollar
I don't find three cents
What I find, I can't spend
It's a darn hole to mend!

—By May Smith.

Always I Shall Remember

Crusty sugared doughnuts
Cooked on a black wood stove,
A shady little valley
Near a hickory grove.
A fat straw tick,
A fluffy feather bed,
Old-fashioned yellow roses
And an American beauty red.
Playing in a playhouse,
Wading in a pond,
Our undiluted pleasure
When mother's clothes we donned.

—By Mary Holman Grimes.

But Don't Tell Him

He strews the papers on the floor
When he gets thru reading.
He will sit sideways in his chair
Which is not good breeding.

About a quart of ensilage
I sweep from off the floor,
And when he tracks in grease and mud
Then I get good and sore.

My cabinet serves as a workbench
With hat and coat to boot.
But, outside all these little things
I kind'a like the brute.

—Mrs. Carl Inghram.

Lady Picking Berries

Her friends all praise her raspberry ice,
The jam, the sauce, the pie,
But do they know the price she pays
To harvest her supply?

The briars tear at hand and cheek,
The chiggers feast with glee.
A pint to lose, oftentimes a quart,
In dodging wasp or bee.

But when the fruit hangs rich and ripe,
In boots and raincoat dressed,
She resolutely fills her pail,
For hard-won fruit tastes best.

—By Camilla Walch Wilson.

Bargain Days Past and Present

Time once was, when I
Could step out and buy
Swell duds. Fine to see!
For one-ninety-three
Like dresses with collars
And well worth \$10.
Now dresses worth seven
I buy for eleven.

—By May Smith.

Books On Review

Crafts for Everyone

Here is a 2-volume set of books covering the subject of crafts rather completely. They are illustrated in detail and give complete instructions covering woodcraft, metalcraft, leathercraft, plastic-craft, textile art, papercraft, jewelry, etc.

Both books are written by Louis V. Newkirk and LaVada Zutter and published by the International Textbook Company, Scranton 9, Penn. They may be obtained at your bookstore or see your public library. Cost of volumes I and II is \$2.25 each.

The Devil in Massachusetts

This book by Marion L. Starkey is an authentic account of the Salem witch trials. It stands alone in its application of modern psychiatric knowledge to the witchcraft hysteria.

The author performed an almost endless amount of research in organizing the material for the book. She read and studied the original court records of 1692 and the following years, which gave a word by word statement of the accusations and trials of the men and women declared witches by a handful of hysterical young girls.

Nearly 300 years ago, the fate of Massachusetts Bay Colony was delivered into the hands of a pack of young girls. Because of their accusations, decent men and women were sent to the gallows. The only explanation at that time was the "evil eye." Today modern psychiatry explains the hysteria in a condition of boredom, fear of God and the devil and rigid religious intolerance.

The colony was thrown into a reign of terror that did not end until the highest in the land had been accused of witchcraft . . . ministers, a judge, the Governor's wife.

The book reads like a novel in some respects. From the pure historical

angle it is an eminent book which has been approved by both historical and literary critics. "The Devil in Massachusetts" is published by Alfred A. Knopf, New York City. Price \$3.50.

Western Land and Water Use

Until recently, the West has been looked upon as a land of wide-open spaces and plenty. But with the tremendous growth of population west of the Mississippi, this Promised Land today faces problems as serious as those of the congested East . . . problems of how to conserve its land and water resources in the interest of the future and the entire nation's economy.

Mont H. Saunderson, the author, spares no interests, either private or governmental, in discussing the abuses of farm, grazing, timber and wild lands of the states west of the one-hundredth meridian. That line cuts thru the western third of Kansas, running north and south.

The chief concern of any protective program, says the author, must be the protection of water reserves. This he discusses thruout the book. Mr. Saunderson has had 25 years experience as an agricultural economist with Montana State College, U. S. Forest Service and American Farm Bureau Federation. The book is secured by writing The University of Oklahoma Press at Norman, Oklahoma. Price \$3.75.

Picnic Games

That delightful time of year is here—summer picnic season! Our leaflet, "Games for Outdoors," will help with suggestions when entertaining at a picnic. Please address Entertainment Editor, Kansas Farmer, Topeka, for a copy of the leaflet and include 3c for postage.



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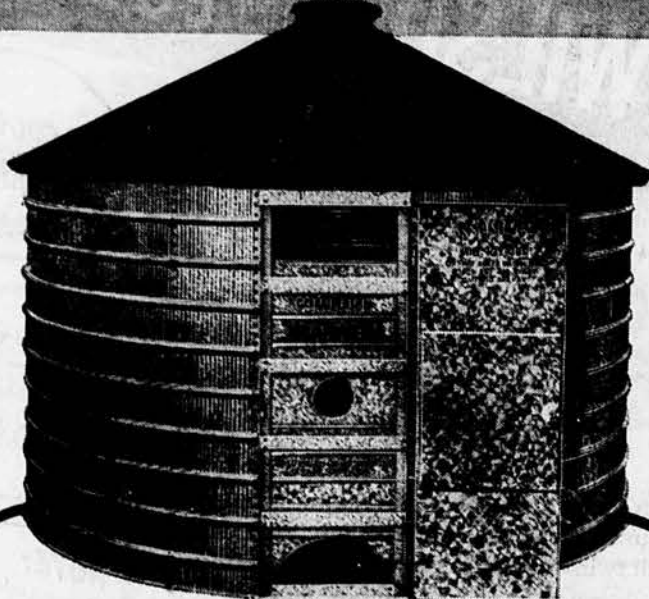
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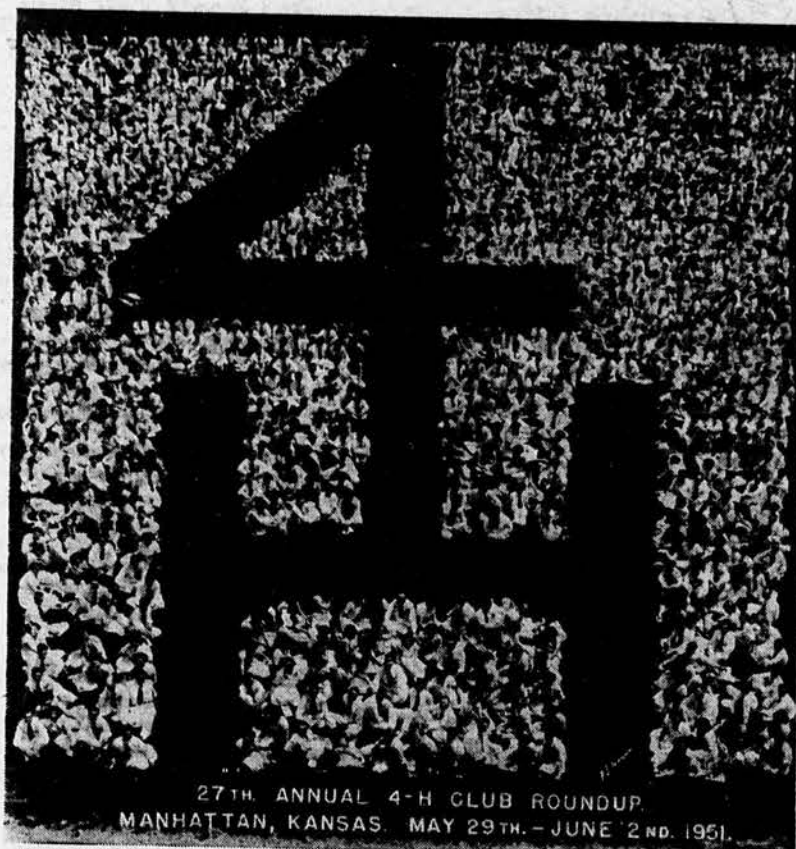
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4-H Club Round-up A Great Experience

By EULA MAE KELLY



Delegates to the 27th annual 4-H Club Round-up at Kansas State College in Manhattan formed traditional picture taken from tower of Administration building looking east down open, sloping lawn. Grass forms "4-H" while Kansas boys and girls form remainder of square.

CO-OPERATION excellent, scoring difficult. This was the opinion of the supervisory committee at the 27th annual Kansas 4-H Club Round-up, May 28 to June 2, at Kansas State College. Round-up participation honors, the traveling trophy of the Kansas Bankers Association, went to the Leavenworth county delegation with blue ribbon recognition to the following counties: Finney, Butler, Coffey, Ford, Haskell, Kiowa, Graham, Grant, Gray, Logan, Harper, Kearny, Montgomery, Morton, Osborne, Rawlins and Sherman.

Red ribbon county groups included: Chase, Clay, Clark, Comanche, Greenwood, Hamilton, Johnson, Linn, Neosho, Osage, Ottawa, Phillips, Russell, Scott, Rooks, Republic and Pottawatomie delegations.

Happily presenting the trophy at the closing assembly June 2 was W. W. Chandler, recently elected president of the Kansas Bankers Association. He is president of the Chandler National Bank, Lyons. He said the trophy has been given each year since 1929.

Thru sweltering heat, cool breezes, and rain, the traditional Round-up, which this year officially numbered 1,114 delegates, once again brought its fine cumulation of inspiration, fun, happy tiredness, classroom ideas, new friendships and lasting memories.

The "Round-up Spirit"

The spirit of the Round-up was most evident at certain high moments . . . the singing sessions with beloved Doctor Gordon . . . the picnic outing at Rock Springs, highlighted by the council circle dedicatory to the late Clyde Coffman, widely known Osage county farm leader and legislator . . . program improvement classes . . . the nicety of the "Costume Compliments" style show . . . just hearing Dr. James A. McCain, Dean L. C. Williams, and the Rev. Dale Turner, banquet speaker . . . the true hospitality of K-State and the Collegiate 4-H Club.

A vital part of the 1951 Round-up was knowing, hearing, and working with Washington trip winners LaVada Balch, Wichita; John Paulson, Lindsay; Betty Stephens, Kanorado, and Gary Krause, Waverly. This week these leadership winners are at the 21st National 4-H Club Camp in Washington, along with J. Harold Johnson and Mary E. Border, state 4-H Club leaders.

Paul Johnston, Edna, was elected president of the Who's Who Club, honorary state 4-H organization. Vice-president for the coming year is Rich-

ard Reinhardt, Erie, a Neosho county delegate. Betty Stephens, Kanorado, Washington trip winner from Sherman county, was re-elected secretary-treasurer.

Initiates into Who's Who during Round-up included these outstanding 4-H'ers, who are listed with their home towns: Paul Johnston, Edna; Leland Elliott, Oswego; Robert Thygersen, Altamont; Gene Allen Miller, Belpre; Donald Kosisek, Holyrood; Boyd Allen, Soldier; La Veta Cox, Erie; Richard Reinhardt, Erie; Keith Johnson, Liberal; Mary Czinczoll, Detroit; Betty Keiswetter, Hill City; Carolyn Fields, Solomon; Linda Rundle, Clay Center; Louise Butzback, Broughton; Rachel Schoneweis, Miltonvale; Karl P. Rau, Wakefield; LaVada Balch, Wichita; Carol Rich, Valley Center; Kenneth McFadden, Mullinville; La Donna Oltjen, Leons; Shirley Hawkins, Axtell; Phyllis Light, Salina; Audrey Johnson, Smolan; Marjorie Williams, Lawrence; Shirley Hendrixson, Minneapolis; Jeanette Hamon, Valley Falls; Betty Franks, Valley Falls; Jetta Rae Nicholson, Moline; Patti Lou Boyer, Moline; Gary Krause, Waverly; and Robert Dickinson, Gorham.

Talent groups, invited into Round-up from district 4-H Club days this spring, added much to the flavor and enjoyment of the week. Musical features included: Bourbon county mail quartet, Scott county instrumental ensemble, Pawnee county trombone trio and county chorus, Dickinson county choir, Jefferson county vocal ensemble, Cheyenne county girls' trio, Franklin county instrumental ensemble, bands from Shawnee, Lincoln, Saline, McPherson, Leavenworth and Washington counties.

Ted Colson, member of the Stanley Buccaneers 4-H Club, Johnson county, was demonstrator of the week. He presented his demonstration on "Washing a Milking Machine" at the Friday morning assembly. Musical games by Neosho and Johnson delegations in colorful costumes brought rounds of applause. Dramatic presentations of Round-up this year were plays by Pottawatomie and Sedgwick county casts.

Round-up folks got their look in the giant K-State field house on Thursday.

Tom Avery, a member of the college poultry department, spoke briefly of the national championship poultry judging team which he sponsored, as did Don Good, professor in animal husbandry, and Dale Handlin, Geneseo, former 4-H'er, coach and team member of K-State's national champion livestock judging team.

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Coming Events

June 16—Johnson county, clothing leader training school, Olathe, with Christine Wiggins, KSC specialist.

June 16—Osborne county, visit to test plots over Osborne county, with Richard Poch.

June 17—Bourbon county, 4-H council sponsors motorboat regatta, Elm Creek Lake. Races put on by Kansas Outboard Racing Association.

June 18—Sherman county small grain field day.

June 18—Chase county, 4-H council meeting, Cottonwood Falls.

June 18—Shawnee county crops tour with KSC Extension specialists L. E. Willoughby, Bass Powell and Harold Ramsour.

June 20—Jefferson county, lesson, color in the home, Oskaloosa Legion Hall, 10 a. m.—3 p. m.

June 20—Brown county district 4-H livestock judging school, Horton Civic Center.

June 20—Thomas county, small grains field day, Colby Experiment Station, 1 p. m.

June 20—Johnson county, clothing leader training meeting, with Evelyn Wilson, Olathe.

June 20—Bourbon county beef tour.

June 20-23—Six-county 4-H camp—Rooks, Norton, Graham, Decatur, Phillips, Sheridan—Rock Springs Camp.

June 21—Jewell county, small grain field day, Jewell county field.

June 21—Cheyenne county, wheat field day, Bird City, E. W. Underwood farm.

June 21—Leavenworth county, farm forestry meeting, with Paul E. Collins.

June 22—Elk county-wide crops tour to view new grasses, corn, oats, alfalfa and wheat fertility plots.

June 22—Johnson county, wheat field day, Paul Uhlman farm, Lenexa.

June 22—Ellis county, 4-H clothing leaders' training school, Hays.

June 22—Jefferson county, forestry meeting, Oskaloosa.

June 23—Miami county 4-H play day, Oskaloosa Lake, 9:30 a. m. to 4:30 p. m.

June 24-27—Thomas county 4-H camp, Rock Springs.

June 24-27—Northwest 6-county 4-H camp, Rock Springs.

June 25—Elk county 4-H judging contest and showing and fitting demonstration, Dwight Hull, Jr., El Dorado; judge.

June 29—Elk county, insect and worm control school and field demonstration with Dell Gates, KSC Extension entomologist.

June 29—Elk county, leader training lesson on "one-dish meals," with Mary Fletcher.

June 29—Graham county, crops and soil conservation tour.

July 4-7—Marion, McPherson, Saline, Rice, Dickinson counties 4-H camp for younger group.

July 6—Barton county home economics advisory committee meeting.

July 8-11—Chase county 4-H younger group camp, Rock Springs Ranch.

July 9—Jefferson county-wide home economics judging school, Oskaloosa.

July 9—Washington county, district 4-H dairy judging school, with Fred Foreman, KSC specialist, Washington.

July 11—Brown county 4-H dairy judging school.

July 11-14—Miami county camp, Rock Springs Ranch.

July 13—Elk county home economics advisory committee meeting, Howard. Plans for play day to be made.

July 13—Shawnee county, beef day, with Bass Powell, KSC specialist.

July 13—Shawnee county, beef day, with M. B. Powell, KSC specialist.

July 13—Bourbon county, annual Farm Bureau fish fry.

July 15-18—Kingman county 4-H'ers to Rock Springs Camp.

July 15-August 11—Southwest 4-H camp, operating for Southwest Kansas counties, Wright.

July 15-18—Barton county, older 4-H camp, Rock Springs Ranch.

July 16-18—Shawnee county, county agents Eastern district conference, Topeka.

July 16—Barton county 4-H council.

July 18-19—Sumner county 2nd annual wheat festival, Wellington.

July 19-21—Lincoln county, Northwest district county agent conference.

July 20—Brown county 6th 4-H tractor maintenance school, Hiawatha, Cowan Implement Co.

July 20—Miami county 4-H livestock judging school and contest tour.

July 20—Ford county, Western DHIA directors' meeting, Dodge City.

July 22-25—Chase county 4-H camp for older groups, Rock Springs Ranch.

July 23—Johnson county dairy tour, with KSC specialists Fred Foreman and George Gerber.

July 23—Johnson county, 4-H foods leader training, with Elizabeth Randle, Olathe.

July 24—Barton county irrigation demonstration.

July 24—Jefferson county dairy tour.

July 24—Wabaunsee county Bar-B-Que, Kermit Roth farm; beef tour in afternoon before the Bar-B-Que.

July 24-25—Elk county 4-H camp, Sedan Lake.

July 25—Leavenworth county dairy tour, with Fred Foreman, KSC specialist.

July 25-28—Five-county (Saline, Marion, McPherson, Rice and Dickinson counties) 4-H camp for older group, Rock Springs Ranch.

July 26—Ford county 4-H council meeting, Windhorst.

July 26—Barton county 4-H and Chamber of Commerce members' annual picnic.

July 26-27—Shawnee county Eastern Kansas judging school, Topeka.

July 27—Elk county-wide beef tour and barbecue in northwest portion of county with Lot Taylor and Ray Hoss, KSC specialists.

July 28—Dickinson county, State Shorthorn picnic, Eisenhower Park, Abilene.

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DR. SALSBUURY'S HOG-GAIN

Helps You Market Hogs Earlier When Prices Are Highest

In Powder Form For Easy Mixing In Feed

Hog-Gain helps you make more money on your hogs through faster growth, less feed, earlier marketing time, sleek, uniform finish. Amazing new growth stimulating ingredient, "3-Nitro," in Hog-Gain, is exclusively Dr. Salsbury's.

For Pigs of All Ages & Weights Helps Make RUNTS Profitable

Hog-Gain helps pigs through entire growing period. Even when given to pigs weighing 150 lbs., Hog-Gain produces faster weight gain.

Test-Proved

In recent test by Dr. L. E. Carpenter at Hormel Institute, University of Minnesota, HOG-GAIN produced 27% faster weight gains with 14% less feed.

Profit-Proved With Hundreds of Hog Raisers



"This pig, on a good commercial feed, weighed only 56 lbs. at 3 months of age. After Hog-Gain was added to the ration, it reached 205 lbs. in 80 days." Lee Robinson, Route 3, Abilene, Texas.

"We put six of our runt pigs in a separate pen and fed them ground feed with Hog-Gain. In six weeks these runts had grown larger than many of the better hogs in the farrow." Leonel M. Jensen, Wall, South Dakota.



Contains Widely Publicized 3-Nitro 4-Hydroxy Phenylarsonic Acid and Other Essential Nutrients

"My spring pigs fed Hog-Gain went to market at 231 lbs. in 5½ months on the cheapest feed cost I ever had on any bunch of hogs." Harold B. Repp, Albia, Iowa.

"I am raising over 100 head of spring pigs with Hog-Gain. At 10 weeks I weighed one taken at random; it weighed 72 pounds. I am very happy over the rapid, uniform weight gain and fine appearance of these pigs." Lawrence Pock, Sumner, Iowa.

Easy To Mix In The Feed

HOG-GAIN fits easily into your hog-feeding program. Easy-to-follow directions make its use simple and convenient. Just buy HOG-GAIN by the package and mix it with the feed. Cost is low compared to your profit benefits.

SEND COUPON, NOW

Many feed dealers have HOG-GAIN on hand. But to make sure you get extra profits with HOG-GAIN, now, send this coupon to us, at once. Every day you miss using HOG-GAIN, you lose extra hog profit.

Mail This Coupon NOW

Dr. Salsbury's Laboratories
Dept. 16, Charles City, Iowa
Please send bulletin on HOG-GAIN and name of local dealer.

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TOWN _____
R. F. D. _____ STATE _____
MY FEED DEALER'S NAME _____

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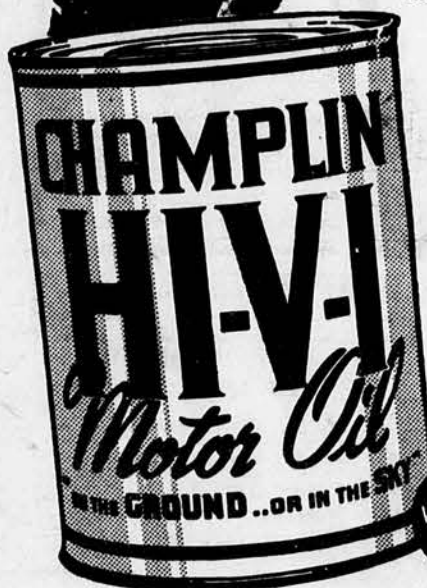
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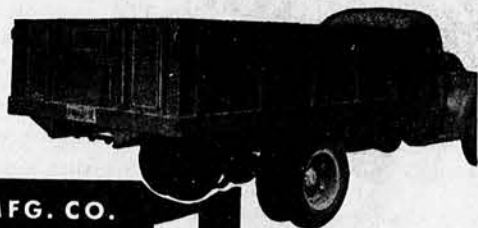
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Drive into your friendly Champlin dealer's next time you're in town . . . let him give you further facts on HI-V-I motor oil . . . see for yourself why HI-V-I is the first choice of many farmers.

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farm job!**



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102 years**

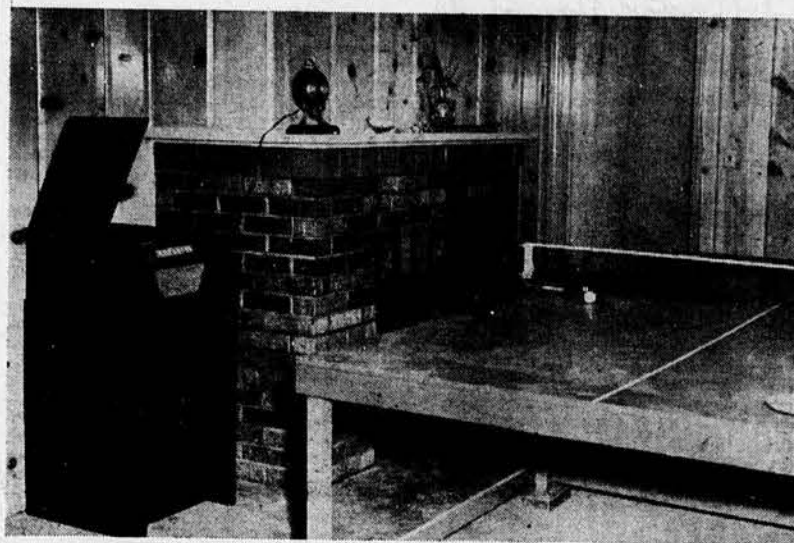
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House in Small Package

(Continued from Page 1)



WHETHER IT'S a game, music or a cozy fire that's wanted, members of the Herman Ganoung family and their friends can always find it in this well-equipped basement recreation room.

Like in most basements, some difficulty has been found with dampness. The Ganoungs have solved this by installing in one of the rooms an electric de-humidifier, which keeps the entire basement area dry.

Mrs. Ganoung, of course, is very happy with her automatic washing machine. "It is no job at all to wash now," she says, "as I don't have to let things accumulate. When I have a few things to wash I just run them thru as needed."

An unusual feature in the basement is a storm cellar arrangement, utilizing the shower room as a storm haven. The roof of the shower room is a concrete slab that extends out beyond the foundation of the house at the level of the top of the foundation. In the center of the slab there is an "escape" hatch covered with a steel plate imbedded in the concrete slab and anchored below in the shower room by a heavy steel chain attached to a steel rung.

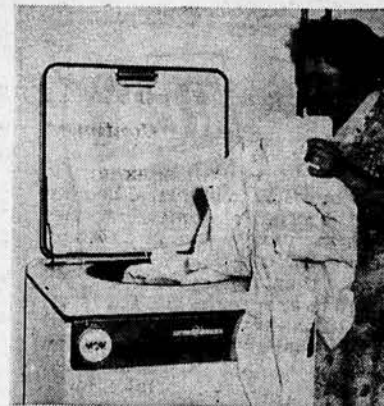
If the inside basement entrance should be blocked by falling debris during a tornado the family could still get out thru this outside escape hatch.

There are 7 rooms on the ground floor of the home, and these are well planned. There is a large living room with fireplace and the east wall, overlooking a beautiful valley, is almost all windows. There is one large picture window in the center and several smaller windows at both sides and at the end.

A coat closet just inside the front door is an important feature. Much planning has been done thruout the

house for every conceivable type of storage. This is a point often overlooked in many of the new homes today.

Plenty of built-ins in the kitchen make this a handy workroom for Mrs. Ganoung. A dining room and 3 bedrooms complete the main floor arrangement, altho another feature is a small enclosed area inside the back door where the men can keep their work coats, boots and other clothing. This area eliminates bringing a lot of dirt into the main part of the house.



WASHING is no job now. Mrs. Herman Ganoung, Rooks county, finds it easy to run a few things thru her automatic washing machine as needed, instead of having one big washday a week.

College Adds New Milling Curriculum

FIVE students probably will be permitted to enroll in the new feed milling technology curriculum at Kansas State College this September. Recent provision for this new work is evidence "the farmer no longer depends entirely on the ability of his own farm to produce all the feeds needed for his livestock," states R. I. Throckmorton, dean of the School of Agriculture.

Co-operating with the feed milling industry of the United States, the college will be offering the world's only 4-year curriculum in feed milling technology.

Maurice Johnson, Staley Milling Co., Kansas City, Mo., has been appointed chairman of the advisory council of 13 feed manufacturing industry men to advise the college on its new program. Among the group of 13 are John J. Vanier, Western Star Mill Co., Salina; Elmer Winterscheidt, Winterscheidt Grain and Feed Co., Seneca; and W. L. Drake, Humboldt Elevator Mills, Humboldt.

Doctor Throckmorton believes the new curriculum will bridge the gap between research in animal nutrition and the manufacturers of formula feeds. It will include research on labor costs, stabilizing formulas, grinding, mixing, pelleting and use of liquid ingredients in feed manufacturing. Research in feed technology will be joined by practical feeding experiments al-

ready being carried out at the college. Despite the phenomenal growth of the industry the last 25 years, only 50 per cent of the formula feed market has been reached, according to Doctor Throckmorton.

The U. S. feed milling industry also recently agreed to provide the college \$200,000 for a building to house feed milling equipment provided by feed milling equipment manufacturers, already reported to you in *Kansas Farmer*.

Kansas State College, only college in the world offering courses leading to a degree in milling industry, now will become the first to offer a degree in feed milling technology.

Newcastle Disease

A bulletin giving much information on Newcastle disease is now available. Since the virus attacks chickens of all ages it is well to have this bulletin in your library. It describes symptoms, effect of the disease on egg production, how to diagnose and control the disease, including vaccination. A free copy of the bulletin will be sent upon request as long as the supply lasts. Please address Bulletin Service, Kansas Farmer, Topeka.

Did You Save Yours?

GOLLY, I wish I had saved that license tag thing in *Kansas Farmer*," a friend dropped in to tell the editor. "And I'll bet a cookie there are plenty of folks like me." So here again we print Kansas 1951 license tag identification. Letters instead of numbers show county in which an automobile is registered. Clip this, paste it on a card and keep it in your car for handy reference.

AL Allen	GL Greeley	OS Osage
AN Anderson	GW Greenwood	OB Osborne
AT Atchison		OT Ottawa
	HM Hamilton	
BA Barber	HP Harper	PN Pawnee
BT Barton	HV Harvey	PL Phillips
BB Bourbon	HS Haskell	PT Pottawatomie
BR Brown	HG Hodgeman	PR Pratt
BU Butler		
	JA Jackson	RA Rawlins
CS Chase	JF Jefferson	RN Reno
CQ Chautauqua	JW Jewell	RP Republic
CK Cherokee	JO Johnson	RC Rice
CN Cheyenne		RL Riley
CA Clark	KE Kearny	RO Rooks
CY Clay	KM Kingman	RH Rush
CD Cloud	KW Kiowa	RS Russell
CF Coffey		
CM Comanche	LB Labette	SA Saline
CL Cowley	LE Lane	SC Scott
CR Crawford	LV Leavenworth	SG Sedgwick
	LC Lincoln	SW Seward
DC Decatur	LN Linn	SN Shawnee
DK Dickinson	LG Logan	SD Sheridan
DP Doniphan	LY Lyon	SH Sherman
DG Douglas		SM Smith
		SF Stafford
ED Edwards	MN Marion	ST Stanton
EK Elk	MS Marshall	SV Stevens
EL Ellis	MP McPherson	SU Sumner
EW Ellsworth	ME Meade	
	MI Miami	TH Thomas
FI Finney	MC Mitchell	TR Trego
FO Ford	MG Montgomery	
FR Franklin	MR Morris	WB Wabunsee
	MT Morton	WA Wallace
GE Geary		WS Washington
GO Gove	NM Nemaha	WH Wichita
GH Graham	NO Neosho	WL Wilson
GT Grant	NS Ness	WO Woodson
GY Gray	NT Norton	WY Wyandotte

Beef Producers Get Blame

(Continued from Page 5)

"skilled workers" who can be exempted from draft at discretion of local boards, may ease the situation somewhat. Also draft calls the next few months—barring change in foreign scene—promise to be lighter than anticipated.

But high wage scales in industry, and indications they are going higher, despite the so-called wage stabilization program which really is pushing for higher wages, promises to take more workers from farms than the draft. That angle of the labor problem promises to worsen rather than brighten as the rearmament program really gets under way by coming fall.

USDA is planning and organizing for record 1952 production. Plans are centered now on feed grains. Feed grain reserves are being eaten into more rapidly than these are being produced. Unless there are more feed grains, present consumption level of meat, milk, eggs and poultry cannot be maintained, the USDA figures.

Wheat goal is to be upped to around 79 million acres. Seeded for 1951 crop were 77.9 million acres.

USDA will ask for 16-million-bale cotton crop in 1952. Wayne Darrow says aim is export 4 million bales and increase the carryover by 1 million bales.

This year it is estimated 5 million tons more feed grains will be consumed than will be produced. Combined production of corn, oats, barley and grain sorghums was 125 million tons. Total use, 1950-51, is estimated at 130 million tons—110 feed, 13.8 industrial uses; 6.2 million tons export.

Wayne Darrow, whose Washington Farmletter gives best line of any of Washington service letters on USDA thinking, sums it up this way:

"We produced enough feed grains last year for 142 pounds of meat per capita. We're eating 148 pounds per capita this year.

"The alternatives: Produce more feed; eat less meat, or export less feed grains.

"To keep from dipping into reserves another 8 million tons next year, we'll have to increase feed grain production this year by an amount equal to Nebraska's entire 1950 production.

"This (8 million tons) assumes 1951 crops will be same as last year's. Carryover last fall was 31.2 million tons. This fall (estimated) 26 million. Fall of 1952 is estimated less than 20 million tons."

Got chiggers (used to be chigres) on your place? Here's how to spot 'em, according to USDA:

Place a piece of black cardboard (or a well-polished black shoe) on edge (shoe on sole) on ground suspected. If you see small yellowish or pinkish mites moving rapidly over the cardboard and accumulating on upper edges, you have your chigger-producing area.

"If you have good eyesight," USDA advises, "you may also detect them on your shoes, if you are wearing black shoes well-polished."

Remedy (sulfur being scarce this year): Apply chlordane, 1 to 2 pounds per acre; toxaphene, 1 to 2 pounds; lindane ¼ to ½ pound. Apply to ground, not to operator; talk it over with your county agent.

Hints About Bright's Disease

By CHARLES H. LERRIGO, M. D.

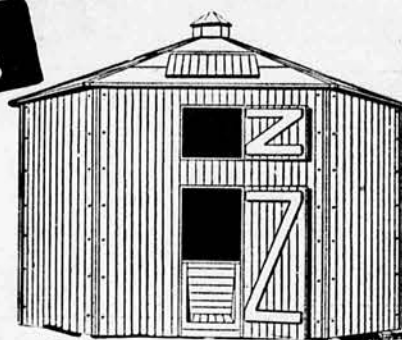
Bright's Disease was named for an English physician more than 100 years ago. But it is just as common in our land, and many ailments commonly classified as kidney trouble are among its symptoms. It is not an ailment that can be easily diagnosed. I have written about it in my letter, "Hints About Bright's Disease." Anyone desiring a copy should send a request with an envelope addressed to himself and bearing a 3-cent stamp, to Doctor C. H. Lerrigo, *Kansas Farmer*, Topeka. No copies can be sent unless the stamped envelope is received.

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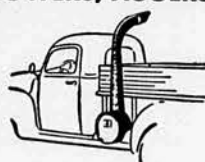
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White, Barred Rocks, Hampshires, Wyandottes. \$8.90; pullets, \$12.95; Fancy White, Brown Leghorns, Minorcas, Austa-Whites, \$9.90; Pullets, \$14.95. Heavies, \$8.95; Mixed, \$5.95. Assorted, \$4.95. Odds-ends, \$3.95 up. FOB 100% alive. Helpful folder. Clinton Chick Store, Clinton, Mo.

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

● SAVINGS AND LOANS

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

● OF INTEREST TO WOMEN

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

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

Strout's Farm Catalog. Green cover! Mailed free! 2084 bargains, 33 states. World's largest! Our 51st year. Buy now, beat inflation. Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

● OF INTEREST TO ALL

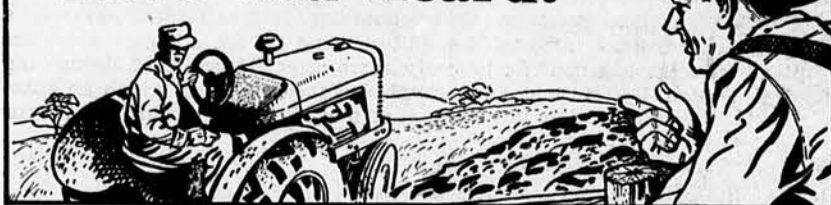
Sewing Book—New, completely describes with 750 explanatory pictures every step in making, altering dresses, suits, curtains, slip-covers, etc. Reference index of over 2,000 items, only \$3.98 postpaid or C.O.D. Sold nearly 1,000,000 copies. Rush your order now. Save time, money! Bookmaster, 246 5th Avenue, New York 1.

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

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.

Have You Heard?



Notes on New Products and Folks Who Make Them

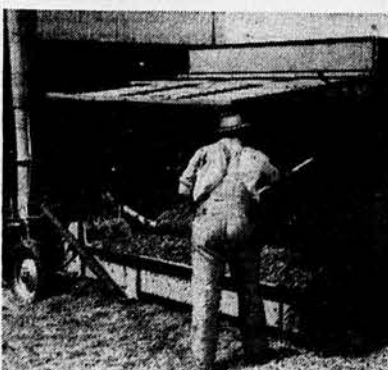
TWIN-DRAULIC, Inc., Laurens, Ia., write their DeLuxe sprayers (Model SC 26-150 gallon and Model SC 20-200 gallon) were designed and built to properly apply all the new liquid agricultural chemicals. The sprayers efficiently spray insect chemicals, weed chemicals and most liquid fertilizers for all crop protection. Sprayers are recommended for controlling corn borers, thrips, legume insects; or for spraying chicken houses, hog houses, barns, ornamental trees or orchards.

Pan-A-Min puts "spunk in your chicks" says Dr. Hess and Clark, Inc., Ashland, O. The product contains tonics that pep up the appetite and keep chicks from getting lazy inside. Also, it "supplies minerals essential to good growth and sturdy frames. Chicks getting Pan-A-Min make better use of feed." Pan-A-Min recently has been enriched by adding riboflavin and APF (animal protein factor). From these, chicks get vitamin B12, antibiotics and other plus factors for health and rapid growth. Results are growing power, sturdy frames, and early fall eggs.

More than 200 of the nation's leading academic and industrial scientists attended the recent dedication in Wilmington, Del., of DuPont's \$30,000,000 addition to its experiment station. Many DuPont products are used in control of agricultural pests to increase farm production. The DuPont station now is one of the largest research establishments in American industry.

Feeds-All Feeder Aid on the market will fit all NCM Case Hay Balers and is reputedly superior to any on the market at present says its manufacturer, Wichita Supply and Mfg. Co., Wichita. The Feeds-All feeds hay to the center or back of the apron in a uniform flow. This does away with dragging hay around inside corner of feeder. This eliminates all wear at this point. The new feeder aid completely eliminates feed choking because it feeds hay into baling chamber at a point ahead of cones.

Many farmers are speeding up handling silage and hay crops at the forage blower by use of wagons with built-in unloading devices. To meet the need for a safe, convenient, strongly-constructed unloading drive, a new wagon drive unloading attachment has been developed. It mounts directly on the blower, on either side of the conveyor for right or left connection to the wagon

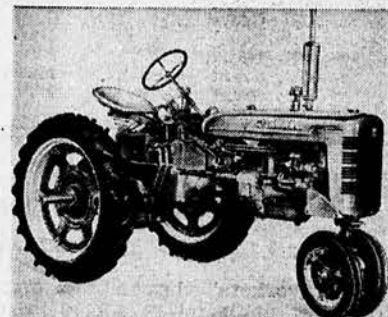


unloading device. The same power that drives the blower also operates the unloading unit. Manufacturer is Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.

A Holstein cow, **Carnation Homestead Daisy Madcap**, broke all world's records for butterfat production for 365 days. In the year ending January 5, 1951, she produced 1,413.6 pounds of butterfat from 34,553 pounds of milk, showing an average test for the year of 4.1 per cent. She consumed daily between 18 and 20 pounds of grain, which was based on a commercial feed known as Albers Milk Flow. She was fed grain

4 times daily. A commercial ration known as "Calf Manna" was fed during the first 9 months of her life, as the basis of her entire ration. After she came into production, the champion was fed hay 10 times a day, and ate a total of 30 pounds of alfalfa hay daily. For 3 months, when no pasture was available, she had 25 pounds of kale daily. She was fed beet pulp 4 times a day thruout the year at the rate of 12 pounds daily. In the spring and fall, she ate between 25 and 30 pounds of silage. From April 15 to October 1 she was out on pasture 2 hours daily, and after October 1, she was turned out into a large, roofed-over area for exercise.

International Harvester's latest addition to its line of 5 Farmalls is the new McCormick Farmall Super C tractor. Basic features are 17 new major improvements assuring better field performance. There are many engine improvements, self-energizing discbrakes,



bigger steering wheel, softer-riding hydraulic seat, easier-to-reach clutch and brake pedals, strengthened chassis. Super C is a new 2-row, 2-plow tractor. On May 16 and 17, at their Topeka warehouse, International Harvester introduced their new McCormick Farmall Super C tractor, their new McCormick plow bottom, and the No. 64 Harvester Thresher. About 100 persons attended the 2 meetings, which also included field demonstrations.

Public Sales of Livestock

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

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

Brown Swiss Cattle
August 6—Rex H. Winget, Cushing, Okla.—Complete dispersal.

Guernsey Cattle
June 30—Hyerest Farm, Olathe, Kan. E. E. Vary, Sales Manager, Sterling, Ill.

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—W. H. Tonn & Son, Haven, Kan. November 12-13—Sunflower Futurity, Hutchinson, Kan.

November 14—K Ranch, Hutchinson, Kan. November 19—Summer County Breeders, Caldwell, Kan.

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

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

Holstein Cattle
June 20—East Central Kansas Holstein Breeders Consignment Sale, Tonganoxie, Kan. Grover Meyer, Sales Chairman, Basehor, Kan.

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.

Milking Shorthorn Cattle
June 20—Ordell Gill, Peculiar, Mo.

Poland China Hogs
October 22—C. R. Rowe & Son, Scranton, Kan.

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

Hampshire and Suffolk Sheep
June 18—Wm. F. Renk & Sons, Sun Prairie, Wis.

Sheep—All Breeds
June 29-30—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Manager, Department of Agriculture, Jefferson City, Mo.

Beef CATTLE**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**POLLED HEREFORDS**

Our Polled Herefords from both ranches are well known throughout the Flint Hills of Kansas. We are a member of the Flint Hills Hereford Association. Our main ranch is located near Topeka, Kan., while our Mulvane Ranch is at Rossville, Kan., with Francis Davis, foreman. Sires in service are: MF Model Real, Pawnee Domino 22nd, Beau Perfect 24th and Prince Plato. Address all correspondence to

ALLEN ENGLER & SONSRt. 1, 5 miles south and 1 mile west of
TOPEKA, KANSAS**ANGUS are tops for
CROSSBREEDING**

• 95% of calves are polled when Angus bulls are crossed with horned cows. Saves you trouble . . . boosts value of calves.

• Heifers have less calving trouble because calves sired by Angus bulls have smaller polled-shaped heads. Makes earlier calving practical.

• Less cancer and pinkie in Angus. Even Angus crossbreds are resistant to these diseases. For more information, write Dept. KF.

American Angus Assn., Chicago 9, Ill.

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**HIGHER VIEW DAIRY
FARM HOLSTEINS**

Located 4 miles north of Hays, on highway 183. Featuring the bloodlines of Clyde Hill and the Crescent Beauties. We have 125 head in our herd. Serviceable-age bulls for sale at all times. We offer a few females occasionally. Visitors always welcome.

J. D. & E. E. FELLERS, Hays, Kan.

DAIRY CALVES Cows, Bulls from Wisconsin's largest bonded distributors. Tested, registered Holstein, Guernsey, Swiss on approval. Let our Free bulletin. Write MR. FORBES, Dairyland Cattle Company, 1203 West Canal Street, Milwaukee, Wisc., or telephone Evergreen 4-6263 day or night.

NEMAH VALLEY HOLSTEINS
Rock-Burke breeding. HIR ave. 543.7 lbs. fat. Records up to 1,000 lbs. fat 3 yr. 2x. Bulls of service age and younger for sale.
Mrs. H. D. Burger & Son, Seneca, Kansas

**REG. BROWN SWISS COW
FOR SALE**

7-year-old, classified Good Plus
Bred to freshen July 7 to our fine senior herd sire, a son of Tex-Cen General. Also a few good bull calves from this sire.

ROSS W. ZIMMERMAN
Abbyville, Kansas**Dual-Purpose CATTLE****REGISTERED RED POLL BULLS**

6 to 12 months. Good quality from dams with advance Registry pedigrees and sired by outstanding herd sires. 37 years of constructive breeding with correct type and milk and beef qualities. Write or come and see our herd of 125 head of registered cattle.

G. W. LOCKE, El Dorado, Kan., Rt. 4**Livestock Advertising Rates**
Effective February 1, 1951

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

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

MIKE WILSON, Livestock Editor
912 Kansas Avenue
Kansas Farmer - - Topeka, Kansas**IN THE
FIELD****MIKE WILSON**Topeka, Kansas
Livestock Editor

DALE SCHEEL, Emporia, who for many years has operated the Ethyledale Farm, famous for its Hampshire hogs, writes this office he is sold out of hogs at the present time and in the future will operate his business on a restricted basis, due to the fact competent help is impossible to secure.

HOWARD H. JOHNSON, Ottawa, has made a state champion record with his registered Guernsey cow, Valkomna Nona. Her production of 10,408 pounds of milk and 594 pounds of butterfat is the highest Herd Improvement Registry record for a senior 2-year-old in the state. "Nona" was milked 726 times while on test. The sire of this cow, Betty's Sir Galahad, also by Johnson, has just one daughter in the Performance Register of the American Guernsey Cattle Club.

EARL MARTIN & SON, DeKalb, Mo., sold Duroc bred gilts at South St. Joseph on May 28. Thirty-seven head were sold and the top bred gilt at \$170 went to Mr. and Mrs. J. W. Greer, LaMonte, Mo. This was a 49ER gilt bred Star Velvet. They purchased 5 head; 4 head went to Kansas buyers—Chas. Stuckman, Kirwin, who bought lot 2 gilt at \$135; Chas. Kiser, Mankato, gave \$105 for lot 17. The crowd was small but those that came were interested. The Martins were well satisfied with the results of the sale. Eight head went to outstate buyers, the rest to Missouri buyers. Donald Mendenhall, Bucklin, Mo., was auctioneer.

The 5TH ANNUAL RAM SALE of the KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION was held in Hutchinson, Monday night, May 21. The outcome of this sale was considered very successful. Eighty-six head were sold for a total of \$12,178. The sale was attended by more than 200 breeders and spectators. Kansas State College consigned the top ram. He was purchased by L. G. Wilson, Louisburg, at \$415. This ram was the champion Hampshire as well as the top-selling animal in the sale. T. Donald Bell, Kansas State College, did a very successful job in managing the sale. Col. Harold Tonn, Haven, did a fine job in the auction box.

The registered Holstein heifer sale of the DEPARTMENT OF CORRECTIONS OF MISSOURI was held at the Church Farm Dairy 7 miles west of Jefferson City on May 23. Forty bred heifers, 45 open heifers and 15 heifer calves were females selling. Fifteen young bulls with only 2 service age were sold and total of the sale was \$44,615. The 100 heifers averaged \$407.15; 15 bulls averaged \$260. Bulls sold from \$110 to \$525, and females from \$270 to \$725, which was sale top. Only 5 head and these were heifer calves, sold under \$300. Only a few bred heifers would calve within 3 months. Eleven bred heifers sold from \$500 to \$600, and 6 bred heifers sold from \$600 to \$725, with 4 head bringing \$700, \$710, \$715 and \$725. Everything selling went to Missouri buyers. A number of buyers selected 5 to 10 head. Bert Powell was auctioneer and R. S. Caldwell, Columbia, Mo., was sales manager. This sale is an indication of the strong demand for registered Holstein heifers at satisfactory prices.

I have a letter from MR. and MRS. PHIL ADRIAN, Moundridge, who for a number of years have been very active in the breeding and improving of registered Hereford cattle. The Adrians always have kept in mind the importance of a good herd sire. They have recently purchased Baca Duke 53rd from the Bob White Hereford Ranch of Enterprise. He is a grandson of the great OJ Royal Domino 10th. This bull was bred by the San Luis Land and Cattle Co., Crestone, Colo. Sire of this bull will sell this fall in the great Baca Grant Dispersal. He is expected to give a good account of himself. Also to assist in heading this good herd of Herefords the Adrians have selected a junior herd sire—PCR Superior Donald 2nd, from the Platte Canyon Ranch, Littleton, Colo. Mr. and Mrs. Adrian have decided to expand their Hereford breeding operations, recently joined in a partnership with Dr. and Mrs. John Hertzler, Newton. Hereford breeders will be hearing from this newly-formed organization in the future.

RED OAK FARMS ANGUS SALE at Rocky Comfort, Mo., May 21, made the splendid average of \$1,584 on 52 female lots, with bulls averaging \$1,075 on 2 head. The 54 lots averaged \$1,565. Two years ago a sale was made by Chester and Crystal Davidson, owners of Red Oak Farm and the average was just a little under \$500. These people have improved their herd and with steadily rising prices for registered Angus, they made the splendid average just stated. There was a wide distribution of the Angus sold with many states represented as buyers. Buyer of the largest number was George C. and Ruby D. Watson, Denver, Colo. They bought 9 females and a bull and the average paid was \$1,162 per head. The high average paid per head by one firm was 3 head bought by Dowdy & Thompson, Sedalia, Mo., and they gave \$13,400 for 3 head of females which averaged \$4,467. The 2 top females at \$6,400 and \$6,000 were purchased by these breeders. They were bred heifers and mated to their good herd sire Black Peer 34th of Angus Valley. Four head were purchased by Kansas buyers. Roy Johnston and Ray Sims were auctioneers. J. B. McCorkle, Columbus, O., was sales manager.

The average of \$702 indicates the demand for the Shorthorns sold at the HIGHLAND VIEW-ROANRIDGE FARM SHORTHORN PRODUCTION SALE at Roanridge Farm, east of Gashland, Mo., on June 8. Bulls topped at \$2,850 and females reached \$1,175. High-selling bull, lot 3 (a white 15-months-old son of Calrossie Supreme) sold to Clayton Allen, Rock Port, Mo., for \$2,850. A half brother to the top bull and sired by Calrossie Supreme went to E. C. Lacy & Son, Miltonvale, for \$1,125. Another "Supreme" son sold for \$1,100 to Charles Gardner, Bloomington, Neb. A white yearling son of Sn-A-Bar Controller sold for \$1,000 to King & Anderson, Clarksdale, Miss., who bought several head in the auction. Fourteen bulls averaged \$836.

Females averaged \$645 on 33 lots; \$1,175 was paid for the high-selling female, a bred yearling

heifer sired by M. F. Prince Peter 19th and bred to Erimus Dandy, Kansas State College, Manhattan, was the buyer. Second top was \$975 on females. She was bred to Erimus Dandy and went to an Oklahoma buyer. A cow and calf sold for \$1,100. The cow went to Robert Barnes, Armstrong, Mo., bull calf to J. Walker & Son, Lathrop, Missouri buyers bought more cattle than buyers from other states. Kansas buyers bought several head in the auction. Mervin Aegerter was sales manager. C. W. Swaffler, assisted by press representatives, conducted the sale.

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	\$40.00	\$36.50	\$31.00
Hogs	22.00	21.50	20.15
Lambs	36.25	35.75	26.50
Hens, 4 to 5 lbs. . . . .	.26	.33	.18
Eggs, Standards . . . . .	.42	.44	.29
Butterfat, No. 1 . . . . .	.65	.65	.51
Wheat, No. 2, Hard	2.37 1/2	2.40 1/4	2.19 1/4
Corn, No. 2, Yellow	1.76 1/2	1.73 1/4	1.46 1/4
Oats, No. 2, White . . . . .	.97 1/4	1.00	.93 1/4
Barley, No. 2	1.39	1.49	1.23
Alfalfa, No. 1	35.50	38.00	24.00
Prairie, No. 1	19.50	19.50	....

HOGS**DUROCS**

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

B. M. HOOK & SON, Silver Lake, Kansas**KNELLYVIEW DUROCS**

Offering Spring Boars—long, deep bodied, heavy boned, good headed kind. Immune, registered. New bloodlines. Farm 9 miles of Carthage on 66 and 3 miles north of

ED & FRANK KNEEL, Carthage, Mo.**HAVEN HOLLOW FARM DUROCS**

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

TOP QUALITY HAMPSHIRE

Choice boars, gilts and weanling pigs. Sired by Kansas Model Others by Superior Sired, by Star Design. Priced right.

Homer & Gladys Reber, Rt. 1, Chapman, Kan.**REGISTERED SPOTTED POLANDS**

Gilts sired by Giant Citation and bred to "Diamond Boy," a top son of Diamond X. Also serviceable-age Boars. Priced right. Write or see

SUNNYBROOK FARM, Richland, Kansas**H. E. Holliday, Owner****July 7****Will Be Our Next Issue**Ads for the Classified and Livestock
Section must be in our hands by**Friday, June 29**If your ad is late, send it in Special
Delivery to 912 Kansas Ave.
Kansas Farmer, Topeka, Kan.**SHEEP**

Sheep are the most productive livestock on the farm today, but numbers are low and good breeding stock is hard to find.

**THE MIDWEST STUD
RAM SHOW AND SALE**

An annual event featuring Hampshires, Suffolks, Corriedales, Shropshires and Oxford's has an established reputation for high quality animals at low prices. This show and sale will be held at the Swine Barns on the State Fairgrounds at Sedalia, Missouri, June 29-30. The sale will begin at 9:00 a. m. June 30. Anyone in need of a ram of any of these breeds will find that he can purchase as good an animal as there is available anywhere through this sale at a price that will justify buying him now and holding him until needed. There is no better place to buy female breeding sheep than the Midwest. Prices have always been very reasonable but the sale has not been attended by the commercial men and farmers because of a false notion that high prices will prevail. Attend this year and see for yourselves.

For catalog write

ROLLO E. SINGLETONSales Manager, Department of Agriculture
Jefferson City, Missouri**• AUCTIONEERS •****HAROLD TONN**Auctioneer and
Complete
Sales ServiceWrite, phone or wire
Haven, Kansas**BERT POWELL****AUCTIONEER**LIVESTOCK AND REAL ESTATE
1529 Plass Avenue
Topeka, Kan.**HOGS****SUPERIOR DUROCS**

Excellent fall boars and gilts by Super Spotlight. 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. Bred
Fall Gilts and Spring Boar
pigs for sale.

**RALPH SCHULTE**
LITTLE RIVER, KANSAS**East Central Kansas HOLSTEIN Breeders Sale**
Tonganoxie, Kansas, June 20, 1951

75 HEAD—60 Registered and 15 Grade Cows. 30 Registered
Cows with records up to 675 pounds fat. 10 Bred Heifers.
Open Heifers and Heifer Calves. 5 Bulls.

Some of the best bloodlines of the breed represented

For catalog address **GROVER G. MEYER**

Chairman of the Sale Committee, Basehor, Kansas

Auctioneers: Wade Morris and C. W. Cole

Mike Wilson for Kansas Farmer

**COMPLETE DISPERSAL
HYCREST FARM GUERNSEYS**

at HYCREST FARM

**Olathe, Kansas
Saturday, June 30**

(TIME 1 P. M.)

A Butterfat Bred Herd
Every Cow Has a Lifetime Record
Made on DHIA or HIR and HIR**42 HEAD SELLING**
37 Females—2 Bulls—3 Bull Calves
HERD SIRE**Two Brooks Butterfat Herald**

Sire—Hilltop Butterfat Billy, 29 A. R. daughters.
Dam—Two Brooks Katinka.
Milk 15633 lb. Fat 682.316 AAA
Milk 10785 lb. Fat 547.216 G—2x
Milk 10339 lb. Fat 558.016 DDD
Classified V. G. at 14 years of age.



He has 14 daughters in herd. Those which have freshened are making more than 40 lbs. of milk per day.

JR. HERD SIRE: FLYING HORSE CLARA'S COLONEL

Sire—Chedee Colonel.
Dam—Flying Horse Clara's Melody. Class leader; 6th place 2 years old. 305 days 5x.
Second Dam—Catamount Melody—Excellent.

BOTH SIRES SELLING

A good time to add a little butterfat to your herd.

For catalog write to

E. E. VARY, Sales Manager, Sterling, Illinois

Auctioneer: Bud Selts

Mike Wilson with this publication

See THE NEW INTERNATIONAL HARVESTER Refrigerators at your Dealer's today

Color-Keyed to Your Kitchen!



You couldn't think of more to ask for! Built-in bottle opener on cabinet frame; space for 24 quart bottles; acid-resisting Porcelain Enamel interior; 5 year warranty on "Tight-Wad" unit.

Just think the color of your kitchen in the refrigerator handle. Its glowing beauty comes in the smart interchangeable shades. See the handle with the new decorating twist... now!

It's another exciting result of femineering with a woman's love of beauty and efficiency in mind.

BIG FAMILY SIZE—Huge 8.2 cu. ft. size; cold from top to floor.

FIT SMALL KITCHENS—Compact cabinet, takes floor space only 24 1/2 in. wide.

Adds so much more food storage space, in so much less floor space, it's just like increasing the size of your kitchen!

Generous Food Locker

- **Full Width Freezer Locker**—holds 35 lbs. of frozen foods; 2 ice cube trays.

- **Full Width Chill Tray**—holds 15 1/2 lbs. meat; stores ice cubes, chills foods.

- **Full Width Coldstream Crisper**—big 16 qt. size; keeps freshness longer.

- **Chromium Finished Shelves**—stay new, provide 15 sq. ft. of shelf area.

On Display At Your Nearest Dealer

ABILENE
Shockey & Landes Hdwe. & Furn. Co.
ALDEN
Taylor Lumber & Implement Co.
ALTAMONT
Homes Truck and Implement Co.
ALTA VISTA
E. M. Swenson
ARCADIA
Dunton Hardware Co.
ATCHISON
Niemann Truck & Tractor
ATWOOD
Jensen's
BAERNARD
Bland Hardware Co.
BELLEVILLE
Bachelor Implement Co.
BELOIT
Moritz Implement Co.
BENNINGTON
Hoffman-Engle
BURDETT
Cole Equipment
BURLINGAME
Wilkin Farm Equipment Co.
BURLINGTON
Coolidge Impl. Co., Inc.
BURNS
Grimwood & Son
CALDWELL
Young's
CANTON
Canton Equipment Co.
CAWKER CITY
Cawker City Equipment Co.
CEDAR POINT
Grimwood & Son
CEDARVALE
Cable Implement & Supply Co.
CHANUTE
Bray and Johns Equipment Co.
CLAFLIN
Wickert Garage
CLAY CENTER
Norquist's, Inc.
CLIFTON
Casper and Hall
CLYDE
J. I. SAGER
COATS
D. A. LYMAN
COLBY
Knudson-McKenzie, Inc.
COLUMBUS
Farmers Union Co-op Assn.
COUNCIL GROVE
Coolidge Impl. Co., Inc.
COURTLAND
L. E. Garman & Son Impl. Co.
CRESTLINE
Farmers Union Co-op Assn.

CUBA
Opocensky Hardware
DELPHOS
Zalc Brothers
DIGHTON
Church & Kerkhoff, Inc.
EDNA
Edna Farm Equipment Co.
EL DORADO
O'Neil Equipment Co., Inc.
ELKHART
Fisher's, Inc.
ELLIS
Sulter Equipment Co.
ELLSWORTH
Clark-Paul Implement Co.
EMPORIA
Coolidge Impl. Co., Inc.
ERIE
Roy Ewen
EUREKA
Straight Equipment Co.
FALUN
Dauer Brothers
FORT SCOTT
Fort Scott Truck & Tractor Co.
FRANKFORT
Esslinger Impl. Co.
FREDONIA
Fredonia Impl. Store
GARDNER
Gardner Truck & Tractor Co.
GARNETT
Garnett Truck & Tractor Co.
GIRARD
Girard Equipment Co.
GLASCO
Zalc Brothers
GOODLAND
Knudson Brothers
GREAT BEND
Gibson, Titus, Stafford, Inc.
GREENLEAF
Leiber Hardware & Impl. Co.
GREENSBURG
Greensburg Equip. Co.
GRINNELL
Ostmeyer Hardware & Impl. Co.
GYPHUM
Kuhn-Bowden
HANOVER
Hanover Implement Co.
HARTFORD
Hartford Implement Co.
HAYS
Hays Equipment Co.
HERINGTON
Lewerenz Hdwe. & Impl. Co.
HIAWATHA
Trapp & Kilh
HIGHLAND
Hooper Impl. Co.
HILL CITY
Pratt Implement Co.

HILLSBORO
Farmers Equipment Co.
HOLINGSTON
Holsington Auto & Impl. Co.
HOLTON
Lierz-Meers Truck & Tractor Co.
HOLYROOD
Standard Impl. & Constr. Co.
HORTON
Horton Implement Co., Inc.
HOKIE
H. W. DEANE
HUTCHINSON
Woodward's Impl. Co.
INMAN
Inman Impl. Co.
IOLA
Iola Truck & Tractor Co.
JAMESTOWN
Holgerson Implement Co.
KANSAS CITY, KANSAS
Wyandotte Tractor & Impl. Co.
KINCAID
Kincaid Tractor & Impl. Co.
LACROSSE
Smith Implement Co.
LARNED
A. A. Doerr Mercantile Co., Inc.
LAWRENCE
Kraft Truck & Tractor Co.
LEAVENWORTH
Lewis Truck & Tractor Co.
LENORA
Lenora Implement Co.
LEOTI
Western Hardware & Supply Co.
LINCOLN
T. A. Rhudy & Sons
LINCOLNVILLE
Lewerenz Hdwe. & Impl. Co.
LINDSBORG
Lindsborg Equipment Co.
LOGAN
Laplin Equipment Co.
LOUISBURG
Louisburg Truck & Tractor Co.
LUCAS
C. A. Mettlen & Son
LURAY
Merl Markley
LYNDON
McDaniel Hdwe. & Impl. Co.
LYONS
Taylor Implement Co.
MCPHERSON
Miller-Kennedy Implement Co.
MANKATO
Wauha Motor & Implement Co.
MARION
Marion Equipment Co., Inc.
MARQUETTE
Marquette Implement Co., Inc.

MEDICINE LODGE
Lloyd Davis & Sons
MINNEAPOLIS
Roy Carlson
MOINE
Eckert's Farm Equipment
MORAN
Moran Tractor & Impl. Co.
MOUND CITY
Mound City Truck & Tractor Co.
MOONDRIDGE
Krehbiel Hardware Co.
NESS CITY
Duffee Implement Co.
NEWTON
Gillen's, Inc.
NILES
Humbarger Equipment Co.
NORTON
Clyde Goble Implements
NORTONVILLE
Weishaar Bros., Inc.
NORWAY
Wright Implement Co.
OAKLEY
C. D. Clark & Sons, Inc.
OLATHE
Olathe Truck & Tractor Co.
ONAGA
Gurtler Hardware & Implements
OSAGE CITY
Hewitt Equipment Co., Inc.
OSBORNE
Latham & Sons
OSKALOOSA
Oskaloosa Hdwe. & Impl., Inc.
OSWEGO
Loeffler-Hoberock Equipment Co.
OTIS
Meisinger & Schneider
OTTAWA
Sheldon Truck & Tractor Co.
OVERBROOK
Roy's Farm Equipment Co.
PAOLA
Paola Truck & Tractor Co.
PARSONS
Alderman's
PEABODY
O. H. Haas Implement Co.
PHILLIPSBURG
Winchell's
PITTSBURG
Nairn Equipment Co.
PLAINVILLE
Donovan Motor Co.
PRATT
Barnaby's
QUINTER
Kysar Implement Co.
RANDOLPH
Sheldon Implement Co.

REPUBLIC
Sankey Implement Co.
REXFORD
Stepper Hardware & Impl. Co.
ROSSVILLE
Bossville Farm Store, Inc.
RUSSELL
Woolk's
SABETHA
Wittmer Motors
ST. FRANCIS
Ackerman's
ST. MARYS
Keating Motor & Impl. Co.
SALINA
McCall Equipment Co.
SCOTT CITY
Wheat Belt Implement, Inc.
SEDAN
West Farm Equipment Co.
SELDEN
Selden Implement Co.
SENECA
Bower-Arnew Impl. Co.
SEVERY
A. L. Morton Impl. Co.
SHARON SPRINGS
Ostmeyer Implement Co.
SMITH CENTER
Attwood Implement Co.
STERLING
Sterling Implement Co.
STOCKTON
Ostmeyer's
STRONG CITY
Beaver, Inc.
SYLVAN GROVE
Diers Implement Co.
TOPEKA
Craven Farm Equipment Co., Inc.
TRIBUNE
Western Hardware & Motor Co.
TROY
Doniphan County Equipment, Inc.
VALLEY FALLS
Valley Implement, Inc.
WAKEENEY
Ostmeyer Implement Co.
WAKEFIELD
The Auld Chevrolet Co., Inc.
WASHINGTON
Ohio Barnes
WATERVILLE
J. E. Leiber Implement Co.
WELLSVILLE
Adriance Truck & Tractor Co.
WILMORE
Wilmore Hardware & Impl. & Supply Co., Inc.
WILSON
Dolechek Implement Co.
WOODBINE
M. C. Engel Hdwe. & Impl. Co.
YATES CENTER
Swope Implement Co.



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