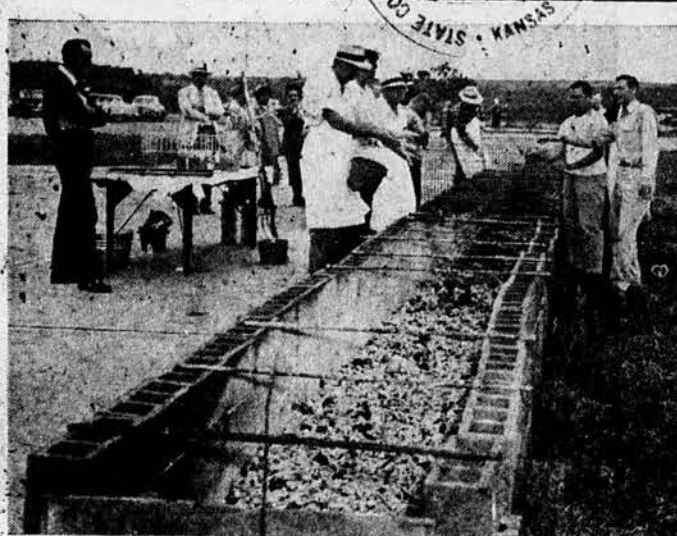


Kansas Farmer



PROOF IS IN THE EATING. Mr. and Mrs. C. W. Danford, Hutchinson, found barbecued chicken a rare treat at the annual convention of Flying Farmers.



BARBECUE PITs of any needed size can be made with cinder or pumice blocks. Here, Professor Tom Avery, of Kansas State College, helps lay wire top on pit just before barbecue starts.

Now you will want to try ... Barbecued Chicken

BRING on that barbecued chicken." That's what a lot of folks are saying these days as they get their first sample of this new and delicious way of fixing poultry meat. Maybe we shouldn't say "new way" of fixing chicken, because barbecuing chicken isn't exactly new, even in Kansas. Professor Tom Avery, of the department of poultry husbandry, Kansas State College, says he has been barbecuing chickens since 1938. He learned it from Dr. D. C. Warren, a former member of the poultry husbandry staff.

Since 1938, Professor Avery has taken charge of 60 public chicken barbecues, and can't remember how many times he has served chicken this way at home from his backyard pit.

"The practice of barbecuing chickens over an open outdoor pit," says Professor Avery, "is becoming popular thruout the United States. There isn't a tastier or more popular way to cook young chickens, whether you are serving 5 or 5,000. Success depends largely upon having good broilers, being well prepared in advance, and following a few simple but very important rules."

Professor Avery isn't kidding when he says chicken barbecues are becoming popular in the United States. Up in Michigan the idea is taking the state by storm. So keen is the interest Michigan State College is conducting barbecue schools to teach the art. Perhaps Kansas State College some day will be forced to do the same.

At any rate, chicken barbecues are taking hold in Kansas, too. Largest one to date, of course, was served to 1,600 persons attending the big poultry exposition at Emporia [Continued on Page 32]



BASTING CHICKENS during barbecuing is an important job. Professor Avery uses mop on long stick. These barbecue pictures were taken during Flying Farmer convention.



THE PRODUCTION LINE shows one man dipping birds in barbecue sauce, second holds wire basket for draining, third is ready to salt and fourth will put chickens over fire.

- Floods Must Be Stopped.....Page 6
- Our 4-H'ers OverseasPages 14 and 16
- Let's Eat OutPage 22

CORN PICKING

like you never saw before!



If you want to see corn gathered faster and cleaner than ever before, just ask your Ferguson Dealer to bring out a *Belle City* Corn Picker for a demonstration.

And as for husking . . . you'll never see a gentler, more thorough job. There's virtually no shelling at all. The few kernels that do drop off the cobs are saved and sent up the elevator to your wagon box.



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1. *Belle City's* lighter weight permits faster ground speeds, especially when the ground is soft or wet.
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6. Interchangeable units provide either snapping alone, or combined snapping and husking.
7. Simple, fast adjustments can be made in the field to save time and trouble. These include V-belts . . . husking-roll pressure, snapping-roll spacing.



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BELLE CITY CORN PICKER

FERGUSON TRACTOR AND 63 FERGUSON SYSTEM IMPLEMENTS

New Grass Seed Venture Underway on Rogler Ranch

SOMEDAY wheat may be in surplus again. When that time comes grass seed will be in greater demand. And Wayne Rogler, Chase county, expects to have several different varieties of grass seed available in commercial supply for that time.

Largest grass acreage on the Rogler ranch which is set aside for seed production now is in brome grass. Brome grass prices have gone down a little, but they still command a fair price. In addition to brome in the line of certified grass seeds, Blackwell switch grass, El Reno side oats grama and Kaw bluestem are being produced in smaller quantities.

Also being grown on the Rogler ranch are smaller plots of intermediate wheat grass, tall wheat grass and Mandan wild rye. Experimentally, some work is being done with King Ranch bluestem, Elk county Turkestan bluestem and Caucasian bluestem.

Ed Robbins, a Kansas State gradu-

ate, is working for Mr. Rogler in development of this grass seed production program. In addition to 4 certified grass varieties, he expects intermediate wheat grass to become an important one.

Lengthen Pasture Season

Some of these grasses can play a major role in lengthening pasture seasons. Brome grass is used advantageously in the eastern half of the state for that purpose. Intermediate wheat grass stands a chance of doing the same thing in the western part. These cool-season grasses supply grazing in spring and fall, while native grasses are better in summer.

For strengthening in native pastures and reseeding in old pastures, some of the others, too, may play a major role in stabilizing our livestock industry.

Included in this grass seed venture is a special building equipped for cleaning and taking care of seeds harvested.

Most Flocks Have Them But Worms Can Be Controlled

By TOM AVERY, Department of Poultry Husbandry
Kansas State College

IT IS ALMOST as difficult to find a hen without worms as it is to find a hen with teeth. Irrespective of management, it is virtually impossible to raise a flock of chickens without some worms being present. Simply because a flock has a few worms doesn't necessarily mean the situation is serious.

If proper care is not exercised in rearing poultry, worms can become a real problem. Most worm infestations start when birds are young. Particular care must be taken when growing chickens are allowed to run outside. Good management of growing stock calls for clean range that is well

an inch to about 3 inches in length. They are round, resembling somewhat the shape of a round toothpick. They do not attach themselves to the intestines. Use of medication is helpful in controlling roundworms.

Tapeworms are flat, and are divided into many segments. The tapeworm buries its head in the wall of the small intestine. For this reason it is extremely difficult to kill tapeworms by use of medication. There are medicines that will cause the tapeworm to shed its body; however, this gives only temporary relief as the head remains alive and soon grows new segments. Although some poultrymen rely heavily on medications to control severe worm infestations, it is well agreed an ounce of prevention is worth a lot of medicine. Best management practices for controlling both roundworms and tapeworms are to rear birds on clean ground, give them plenty of green feed, keep them off bare ground, especially ground that has had chickens on it before, never rear young chickens with adult birds, and be sure the soil is well drained. If possible keep flies away from chickens as they may help carry worms.

Your Name and Address

Recently we have received several letters and orders for bulletins with no name or address. Of course, Kansas Farmer cannot reply or send requested information or bulletins when this happens. Please be sure to check your cards and letters before mailing to see that your full name and correct address are given. If you failed to get requested information, maybe you forgot to sign your name, so please write in again.—The Editor.

drained and has a good green cover crop. Clean range is usually defined as range that has not had any poultry on it for at least 2 years, and is well enough drained so no water will stand during wet weather.

Weather conditions we've been having in Kansas this summer are ideal for worm growth, especially if growing stock is not on clean range. Most serious worm infestations start when growing chicks are either allowed to run with adult birds, or are reared on ground where chickens have been grown for several years. Heavy soil that is poorly drained is especially bad.

Could Have Done Better

With improved methods of feeding and better breeding, birds are sometimes reared on contaminated ground without many outward symptoms of worms. This merely means the diet was such that it was able to nourish the birds and the worms also. Even tho the growing stock may have done fairly well they no doubt would have done better had they been reared on clean ground. The same principle applies to the laying flock. Hens may lay fairly well that have quite a few worms but would do much better without them. Worm infestations show up the most when birds are not properly nourished or are poorly managed.

There are 2 types of worms that do most serious damage to poultry in this section of the United States. These are roundworms and tapeworms. They are both found inside the small intestine, and can be located by killing the bird and opening up the intestine. Roundworms vary from a fraction of

Hybrid Corn Score

Of the total corn acreage for 1951 in Kansas, 85 per cent was planted to hybrid varieties. The percentage was the same as the record high of last year, comments the U. S. Bureau of Agricultural Economics and the State Board of Agriculture. Of the total acreage of 2,890,000 in 1951, hybrid seed was planted in 2,456,000 acres. In 1949 the per cent in hybrids was 82; in 1945, 62; in 1943, 30.7, and in 1941, 18.4 per cent.

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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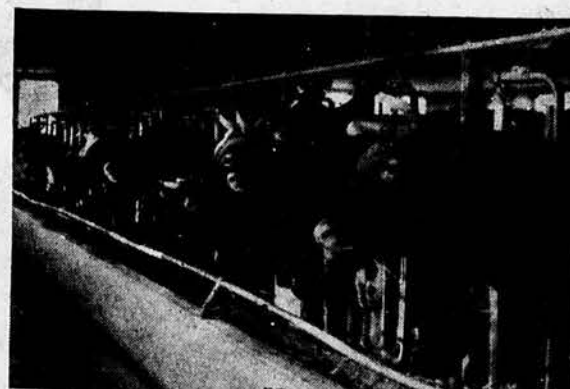


Kill Insects Easily — Economically with LEE'S Amazing LINDANE SPRAY

Powerful new insecticide kills Flies, Ticks, Mange, Lice, Mosquitoes, Fleas, Chiggers and many other insects both on contact and by fumigant action.

TAILOR-MADE FOR USE ON STOCK. Lee's Lindane Spray is especially formulated for spraying livestock — has long-lasting killing power on most all parasites. Costs very little because you dilute it yourself. Only 1 table-

spoonful to a gallon of water kills lice . . . controls mange on hogs for months . . . and stops scabs on sheep. Approved by USDA to control mange on dairy animals. Lee's Lindane Spray has many other uses . . .



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HIGHLY EFFECTIVE FOR BUILDINGS such as poultry houses and calf pens and for manure and yards. Lee's Lindane kills many plant insects yet is non-toxic to most plants. For plants use 1 1/2 teaspoonfuls per gallon.

CONCENTRATED LEE'S LINDANE SPRAY COSTS LESS — GIVES TOP RESULTS!

Don't be confused by apparently cheaper sprays. You dilute Lee's Lindane Spray yourself. Depending on the strength required, the actual spray costs as little as 6c a gallon.

This is the Lindane your state college and county agents are talking about.

Lee's Lindane Spray has many other uses. See your Lee dealer listed below today!

1 pint . . . \$3.00 1 quart . . . \$5.50



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MOLINE
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Raney Drug Store

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Raney Drug Store

TOPEKA
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WASHINGTON
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WICHITA
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WICHITA
Wichita Feed Mills

WICHITA
1912 No. Broadway

WHITE CITY
R. J. Herhold Sundry Store

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YATES CENTER
Baker Drug

GEO. H. LEE COMPANY



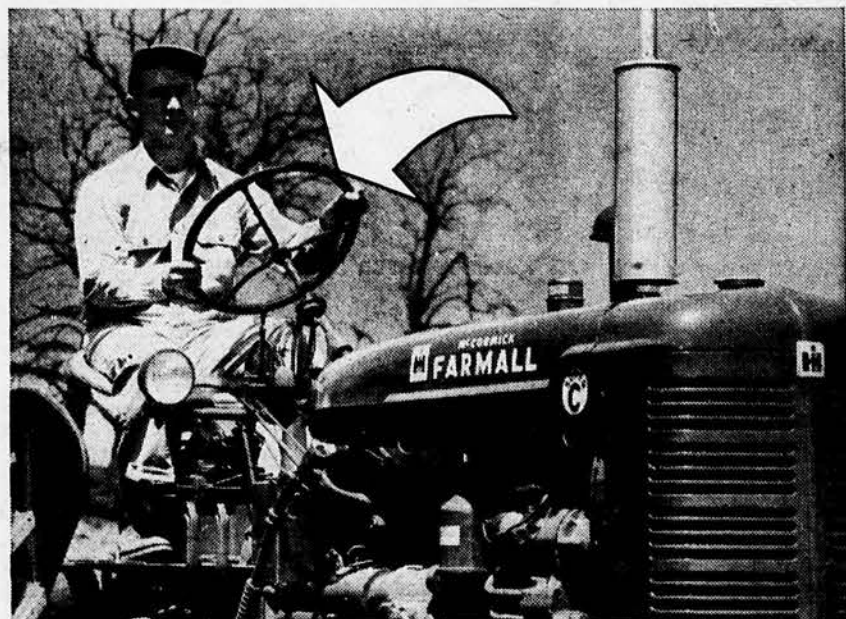
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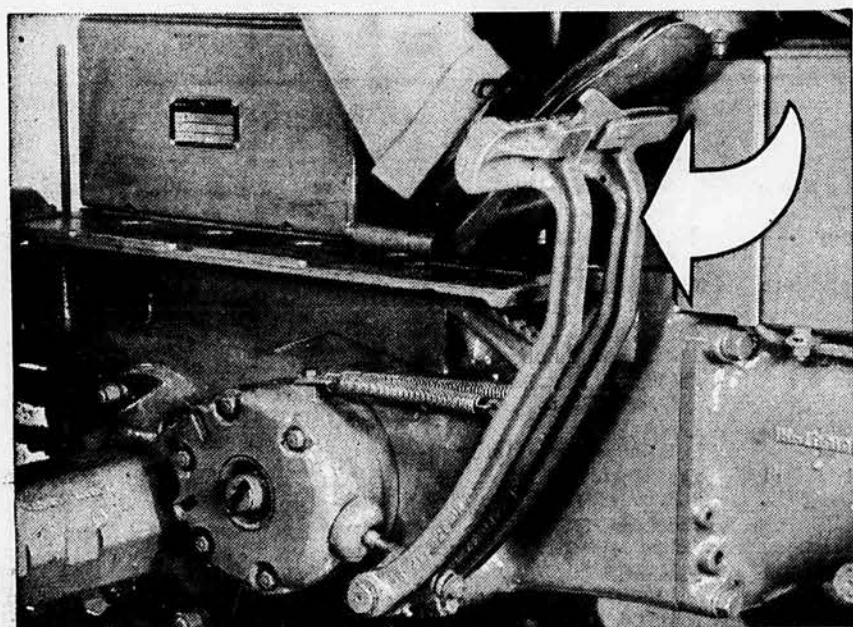
You'll like the Easier-Than-Ever Steering

You'll get a new tractor driving thrill when you're behind the big 18-inch steering wheel of the new Farmall Super C. You enjoy easier-than-ever steering. You'll like the comfortable cushioned seat; the smooth, accurate response of Farmall Touch-Control for lifting, lowering, adjusting equipment.



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Feel the *extra* pull-power traction you get from the proper balance between 12% more engine power and the right tractor weight when the big 54-inch-high rear tires on the Farmall Super C grip the ground to lug the load. There's less wheel slippage—and that means *more* work—*faster*, with less fuel.



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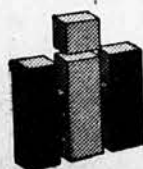
You'll make smooth, pin-point turns at the end of the field when you apply just the slightest tip-toe pedal pressure to these conveniently positioned double-disc brakes. On drawbar work turn-arounds, the swinging drawbar brings pull-behind machines around in a hurry, with no binding or tugging.



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Judge the *better* work you can do with any of the 25 McCormick implements size-matched to the Farmall Super C. Many are direct-mounted, quick-connected. Drive the Super C for a round or two in the field—or all day—with a 2-furrow plow or a disk harrow. Use it for haying; for hauling and belt jobs.

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Your Fall Garden More Important Now

By WILLIAM G. AMSTEIN, Kansas State College

THIS calls your attention to fall gardens. It is a little late for some crops, early for others. With many gardens lost or injured by floodwaters, more than normal attention needs to be given to late-summer and fall planting.

Some longer-season crops usually listed for fall gardens probably cannot be included in the northwest section of Kansas at this time. If average fall frost dates prevail, returns should justify the risk of trying several crops even at this date over the state.

Leafy vegetables should be placed well up on the list for this late planting. Spinach, mustard, kale, Swiss chard and lettuce are some of the more adapted crops. Beans and turnips are other valuable crops. In many seasons, a fall planting of spinach may winter over and give unusually early returns next spring as well. With this in mind, locate the crops where they will not be in the way for fall plowing of your 1952 garden site.

In sections where earlier frosts and more severe winters are the rule, many families use a cold frame or some equivalent device to provide some fresh home-grown vegetables such as leaf lettuce during late-fall and winter months.

Radishes, both winter type and the usual type, can be planted now, in early August and later. The winter type can be used the same as turnips if need be. You can plant them either broadcast or in rows the same as you would turnips.

It is not too late for Chinese cabbage, a crop more people will enjoy growing after they once try it. If you have a real fertile piece of ground where you can supply a little extra moisture if necessary, you will be surprised at the uses you can make of this crop. Michili, Wong Bok and Chihli are all useful varieties.

Plan to plant a fall garden even if you only include turnips.

In many gardens tomatoes are the most valuable crop left. Tomato foliage and fruit diseases likely will result from recent rains. Leaf spot and wilt are 2 common tomato diseases, the former especially troublesome in wet weather.

Leaf spot appears on leaves as water-soaked spots which later turn brown with grayish centers. Leaves finally dry and drop off. Starting with the lower leaves, the disease works upward on the plant to new leaves until the whole plant is often half to completely defoliated before much of the crop is matured.

This disease is more serious this season than in a dry year. It starts to injure tomatoes early in summer, but is unnoticed until foliage starts to drop.

It is not too late to spray or dust tomatoes to check the disease. A lime-free copper spray mixture or Bordeaux is suggested. Basicop, Copper Hydro, C.O.C.S. and other trade-named products can be used. The manufacturer's directions on the package should be followed. Spraying should be done every week or 10 days until the disease is checked. In some seasons dusting is satisfactory.

Wilt causes a gradual yellowing and wilting of foliage, beginning with the lower leaves. Plants eventually may die, and yield is greatly reduced. This disease is a fungus which lives for many years in the soil. This is an important reason for changing garden locations every few years. Gardeners who cannot change locations of their gardens can plant tomatoes in different parts of the garden each year. Spraying or dusting is of no actual value. Wilt-resistant varieties such as Rutgers, Pritchard, Break O'Day, or Pan America, are resistant to wilt in most locations.

Dale Kubin Wins Breeder's Award

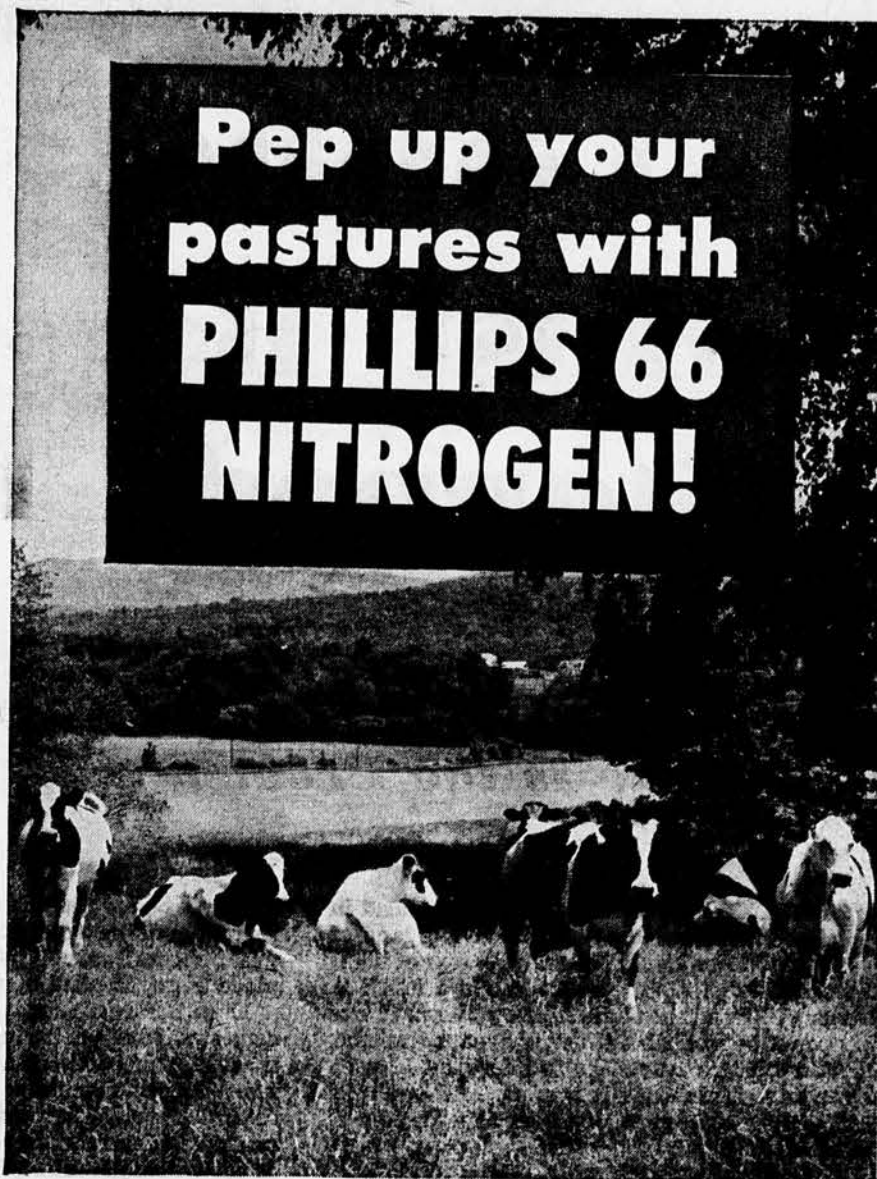
Dale Kubin, McPherson, has qualified for the Progressive Breeders' Award presented by the Holstein-Friesian Association of America. This honor is the highest recognition bestowed upon a breeder of registered Holstein-Friesian dairy cattle. Mr. Kubin is the 7th person in Kansas to be so recognized.

A breeder must meet strict qualifications in all phases of dairy work, including production, type improvement, herd health and progress in development of home-bred animals.

The Kubin herd has been tested for production in official Herd Improvement Registry for 6 consecutive years. The last year was completed last December 31, with the 14-cow herd averaging 467 pounds of butterfat and 11,586 pounds of milk per cow in 297 days on 2 milkings daily. A bronze plaque signifying the award was presented to Mr. Kubin at a recent area meeting of Holstein breeders.

Flint Hill Pasture In National Story

The famous Kansas Flint Hills pasture area has gained more national recognition. Cattle on range were shown in a 2-page picture layout in a recent issue of the New York Times Sunday Magazine. The Kansas Industrial Development Commission supplied 2 of the pictures used.



Fertilize now for a longer grazing season!

- Pastures that are properly fertilized will produce extra pounds of livestock and dairy products per acre. What's more, if you top dress with a Phillips 66 High Nitrogen Fertilizer now, you'll have better and longer fall grazing and your pastures will be ready for grazing earlier in the spring.

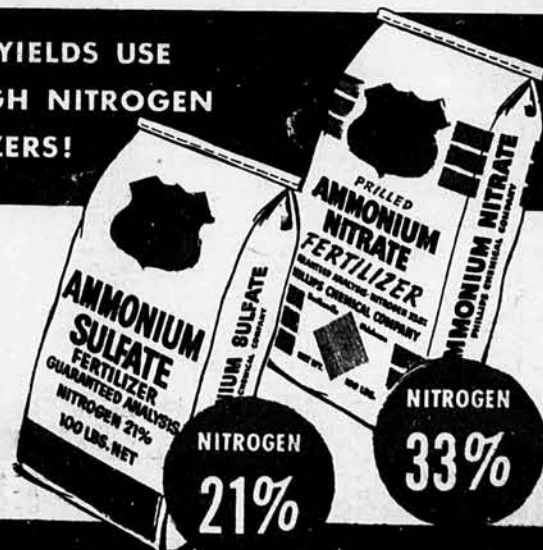
Use Phillips 66 Ammonium Sulfate (21% Nitrogen) or Phillips 66 Ammonium Nitrate (33% Nitrogen). These high nitrogen fertilizers require less time and work in handling and spreading, because you get so much nitrogen per bag!

Phillips 66 High Nitrogen Fertilizers are uniform . . . free-flowing. Act now, and increase the profits from your pastures. Ask your regular supplier for Phillips 66 High Nitrogen Fertilizers.

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You'll be seeing more and more of Phillips 66 High Nitrogen Fertilizers . . . both Ammonium Sulfate and Prilled Ammonium Nitrate. Phillips also produces Anhydrous Ammonia (82% Nitrogen) for direct or irrigation application.



GRANDMA . . . By Charles Kuhn



I WOULD DO A TRICK LIKE THAT—

CLARA, CAN YA SPARE A BITE T' EAT FOR A POOR OL' SOUL WHO'S SILLY ENOUGH T' PAINT HER KITCHEN FLOOR JUST BEFORE MEALTIME?



4-24
CHAS. KUHN

FLOODS Must Be Stopped!

How Best to Get the Job Done Is the Problem

PROUD Kansas is still shaking her head in disbelief. How could it happen this land of sunshine suddenly became a victim of what has been labeled "the costliest flood in U. S. history?" Yet that same history shows it has happened before. About every 50 years, it seems, Mother Nature turns her full fury on Kansas river valleys. In 1844 it was so. And again in 1903. Now 1951 goes down as the "daddy of them all."

A check with Richard A. Garrett, federal meteorologist for Kansas, shows Mother Nature took a 2½-month build-up in preparing for recent disastrous floods. Says Mr. Garrett:

"During April, May, June and the first 13 days of July, Kansas had an average rainfall of 24.86 inches. That is 13.12 inches above normal. Most of it fell after April. One section, East Central Kansas, had an average of 20 inches of rain above normal during the period. Alta Vista, in Wabaunsee county, reported one 3-day period of 15 inches of rain."

With every inch of ground in Kansas soaked to capacity and rivers running high, Mother Nature finally did it up right with another 2 to 4 inches over almost the entire state.

As a result nearly every major stream in Kansas set a new high flood record. Every ditch

and every creek in the state became a raging torrent, adding to disaster. Surface water in great sheets rushed down from hills, found no place to go, so piled up on farms and in towns.

Even before floodwaters had subsided, Kansans again were debating "hot and heavy" over what kind of flood-control program will save us from future disasters. Army engineers were saying Kansas-Missouri floods this year have caused damage equal to one fifth the entire cost of the whole planned Missouri River basin program. They also said that had the proposed reservoirs for Kansas been completed the floods would not have been so severe.

Folks in the Blue Valley and the Delaware Valley, where 2 of the key reservoirs would be located, continue to say big multiple-purpose dams are not the answer. They want to hold off a while longer to do more research on stopping water where it falls and in the ditches and creeks—before it reaches the rivers.

Twelve U. S. Senators already have proposed a Missouri Valley Authority as the only way to prevent disastrous new floods and at the same time develop the power and other resources of the Missouri River in an efficient, democratic manner.

The thinking of senators sponsoring an MVA

is summed up in this statement by Senator Murray, of Montana: "Where there is one river system, having different problems over its course, conflicting claims upon its waters, and freighted with so many separate desires and hopes of the people, there must be one center of authority, acting under principles of equity."

Farmers living in the lower ends of the river valleys, and residents of towns and cities of Eastern Kansas, see more hope in early completion of reservoirs already proposed under the Pick-Sloan plan.

For that reason, and because all of you may wish to refresh your memories on the Pick-Sloan plan, *Kansas Farmer* again is printing the map previously run in the April 15, 1950, issue of *Kansas Farmer*, showing the location of these reservoirs (See opposite page). Also being re-run on this page is a table showing the purpose of each of these reservoirs and its present status so far as Congress is concerned.

If you will study the drawing on this page of Eastern Kansas showing location of this year's record floods, you can see how the various proposed flood-control reservoirs would fit into the picture.

There is some evidence to prove the arguments on both sides of the flood-control fight.

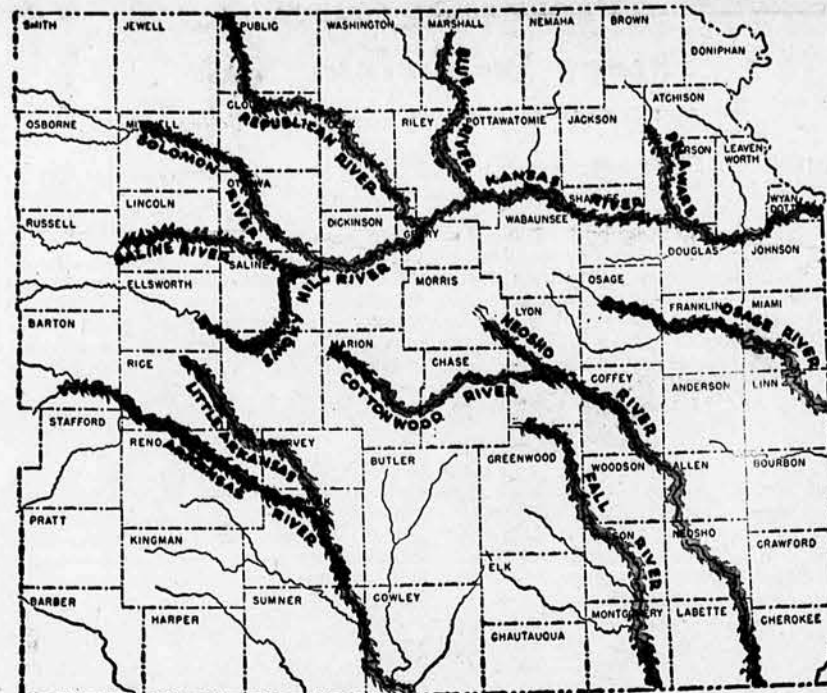
Two of the Pick-Sloan reservoirs already are in operation. They are the Cedar Bluff and Kanopolis projects, both on the Smoky Hill River. Residents below these dams were protected several times this summer by operation of the 2 reservoirs. Yet in July, Salina, and the area below there, suffered the worst flooding ever experienced.

Here is a partial report on this situation from the Corps of Engineers, in charge of the Cedar Bluff and Kanopolis reservoirs:

"All of the discharges from the disastrous Big Creek flood which caused so much havoc at Hays during May were impounded by Kanopolis, together with overflows which occurred subsequent to June 1.

"Five separate peaks on the Smoky Hill were impounded, preventing overflows along the stream and in the city of Salina. However, during the period, July 10 to 12, rainfall of cloud-burst intensity occurred over the basins of Dry Creek and Mulberry Creek, and equally heavy rains in the area along the Smoky Hill below the Kanopolis Dam, combining to produce overflows at Salina.

"The possibility of this situation was recognized by the Corps of Engineers when formulating a flood-control plan for this part of the Kansas River Basin, [Continued on Page 21]



EVERY RIVER shown on this map of Eastern Kansas set a new all-time flood record this year except the Kaw, which lacked a little of equalling the 1844 flood. Simultaneous flooding of all major Kansas streams made this state a disaster area and may cost the state and its residents more than \$1 billion.

Kansas Flood Control, Irrigation Reservoir Projects

Proposed by U. S. Corps of Engineers and U. S. Bureau of Reclamation

This table compiled February, 1950, by Water Resources Division, Kansas State Board of Agriculture

| Project Name | Stream | Location (County) | Date Authorized By Congress | Reservoir Area At Full Pool (Acres) | Capacity (Acres-Feet) | Purpose | Proposed Irrigated Acres in Kansas |
|---------------|----------------------|--------------------|-----------------------------|-------------------------------------|-----------------------|---------|------------------------------------|
| Caddoa | Arkansas | COLORADO | 1936† | 17,500 | 655,000 | a, b | (Est) 65,000 |
| Kanopolis | Smoky Hill | Ellsworth | 1938† | 13,900 | 450,000 | a, b, c | 41,000 |
| Milford | Republican | Geary-Clay | | 25,000 | 740,000 | a | |
| Tuttle Creek | Big Blue | Riley-Pottawatomie | 1938 | 53,300 | 2,280,000 | a, c | |
| Harlan County | Republican | NEBRASKA | 1938§ | 22,800 | 850,000 | a, b | 63,000 |
| Toronto | Verdigris | Woodson-Greenwood | 1941 | 6,900 | 160,000 | a, c | |
| Neodesha | Verdigris | Wilson | 1941 | 7,100 | 90,000 | a, c | |
| Fall River | Fall | Greenwood | 1941† | 10,400 | 263,000 | a, c | |
| Elk City | Elk | Montgomery | 1941 | 11,600 | 250,000 | a, c | |
| Bonny | So. Fork, Republican | COLORADO | 1944§ | No data | 238,000 | a, b | |
| Pioneer | Arikaree | Cheyenne | 1944 | 2,750 | 109,000 | a | |
| Norton | Prairie Dog Creek | Norton | 1944 | No data | 16,000 | a, b | 4,500 |
| Kirwin | No. Fork, Solomon | Phillips | 1944 | 7,800 | 200,000 | a, b | 11,000 |
| Webster | So. Fork, Solomon | Rooks | 1944 | 6,800 | 224,000 | a, b | 9,000 |
| Glen Elder | Solomon | Mitchell | 1944 | 18,600 | 425,600 | a, b | 26,000 |
| Wilson | Salina | Russell | 1944 | 12,300 | 388,900 | a, b | 23,000 |
| Cedar Bluff | Smoky Hill | Trego | 1944 | 10,800 | 368,100 | a, b | 11,500 |
| Strawn | Neosho | Coffey-Lyon | 1950 | 24,200 | 374,000 | a, c | |
| Council Grove | Neosho | Morris | 1950 | 4,460 | 85,000 | a, c | |
| Marion | Cottonwood | Marion | 1950 | 6,370 | 90,000 | a, c | |
| Cedar Point | Cedar Creek | Chase | 1950 | 2,340 | 55,000 | a, c | |
| Hillsdale | Bull Creek | Miami | | 4,000 | 90,000 | a, c | |
| Pomona | 110 Mile Creek | Osage | | 7,500 | 181,000 | a, c | |
| Melvern | Maries des Cygnes | Osage | | 7,900 | 198,000 | a, c | |
| Garnett | Pottawatomie Creek | Anderson | | 9,200 | 186,000 | a, c | |
| Fort Scott | Marmaton | Bourbon | | 7,400 | 137,000 | a, c | |
| Oberlin | Sappa Creek | Decatur | | No data | 42,800 | a, b | 1,500 |
| Lovewell | White Rock Creek | Jewell | | No data | 53,500 | a, b | 8,000 |
| Rose Creek | Rose Creek | Wallace | | 200 | 2,240 | b | 567 |
| Perry | Delaware | Jefferson | | 14,120 | 360,000 | a, c | |
| Hiawatha | Walnut Creek | Brown | | 1,300 | 24,200 | a | |
| DuBois | Turkey Creek | Nemaha | | 3,100 | 62,200 | a | |
| Englewood | Cimarron | OKLAHOMA | | 8,100 | 250,000 | a, b, c | 19,000 |

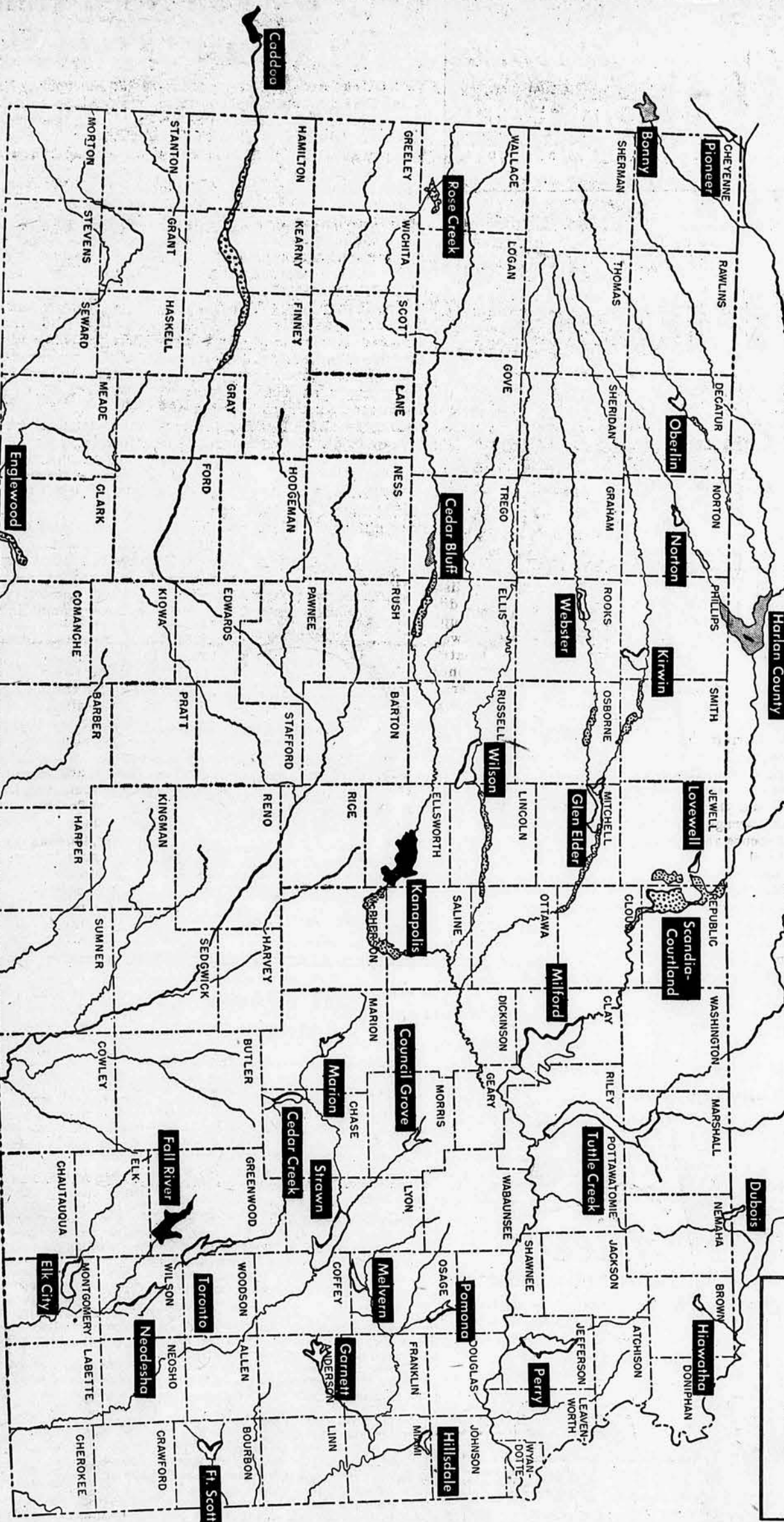
† Completed in 1949
‡ Completed in 1948
§ Under Construction

a - Flood Control
b - Irrigation
c - Maintenance of stream flow

Map shows location of dams—finished, under construction, proposed

RESERVOIR AND IRRIGATION PROJECTS FOR KANSAS

Constructed
Under Construction
Proposed
Land Subject to
Irrigation



Since this map, showing various reservoir and irrigation projects, was printed in the April 15, 1950, Kansas Farmer, Kansas has had the worst floods in history. We are repeating the map now so you can refresh your memory on the flood control program for Kansas. During 1950, Congress authorized the projects at Marion, Strawn, Council Grove and Cedar Point. The Melvern reservoir is before Congress now. Cedar Bluff dam has been completed.

Prizewinner ON FALL SOWN CROPS



Wayne Cinnamon, Hunter, Oklahoma, former County Agent, now an outstanding wheat and pasture farmer and a 1950 District Winner in the Greener Pastures Contest.

Mr. Cinnamon says: "I've been using BEM BRAND Fertilizer for four years. I usually apply it through a drill . . . and it sure drills fine. Last year I won the Greener Pastures Contest in the North-West Oklahoma District. This was largely due to my program of fertilization. I'll continue using BEM BRAND Fertilizer on my crops and pastures."

Why don't you use the "Bonus" fertilizer that's planned, produced and proven right in your state to Bring Extra Money on your farm.



Find out what your soil needs by taking a sample to your county agent for a soil analysis.

FEED YOUR SOIL NOW

The fertilizer needed to fill the soils needs can be put into "active storage" in your soil NOW. This builds the fertility level of the soil itself and saves time, labor, and possible disappointment at planting time when crop fertilizers are often scarce.

P.M.A. ASSISTANCE

Contact your local committee to see how in many cases, the P.M.A. can assist you in paying nearly half the cost of superphosphates used under approved practices.

Buy the BONUS soil and plant food

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

Write
TODAY



Free

FERTILIZER HANDBOOK

For your FREE copy of the NEW FERTILIZER HANDBOOK, write to the Farm Dept., Thurston Chemical Co., Joplin, Mo.

**BEM BRAND
Fertilizer**



Do You Need Help To Recover From Flood?

IF YOU suffered flood damages during the recent state-wide disaster you can get assistance. Some 24 Federal agencies are co-operating to see that you get this assistance. Here is a brief summary of some of the immediate helps that may be available to you:

1. Farm Home and Buildings—Loans available from Farmers Home Administration to repair or replace farm buildings damaged or destroyed in flooded areas. To get one of these loans you may have to relocate your home or farm buildings.

2. Livestock and Equipment—Disaster loans are available to replace essential livestock and equipment. Apply at local FHA office. Farm machinery companies are making special allocations of machinery to disaster area, and some are easing down payment and other credit restrictions.

3. Seed and Feed—Loans are available anywhere in Kansas if you have suffered excessive damage, either from floods or from continued rainfall. Apply at local FHA office.

4. Seed Supplies—Seed supplies of some crops are scarce. Check certified-seed sources with your county agent. He will help you get any seed available.

5. Emergency Feed Grants—You may get up to a 30-day supply of feed grains—corn, oats, barley, and grain sorghums—in the form of a direct grant if you can show your own feed supply was lost in the floods, and that you are financially unable to purchase feeds. Apply at local PMA office.

6. Land Repair—Repair to damaged soil-conservation terraces, outlets, etc. Federal government is being asked to make liberal payments (about 70 per cent) toward restoration of flood-damaged soil-conservation projects and to restoring and fertilizing severely flooded land. Check with local PMA or SCS office.

7. Extensions on Old Loans—Farm Credit Administration is giving extensions on old loans where needed and making additional loans to farmers in flooded areas. Federal Land Bank also is making shortage loans.

8. Emergency ACP Help—ACP practices will be adjusted and revised to include assistance in clearing flood debris from land, reseeding destroyed hay and pasture sods, rebuilding erosion-control or drainage systems, rebuilding fences.

9. Crop Insurance—If you have crop insurance you can collect on damaged or destroyed fields.

Demand Dams Immediately

Some 3,000 delegates from 5 states in the Missouri river basin met in Kansas City, July 25, and adopted the following resolutions:

1. Immediate construction of Pick-Sloan and Bureau of Reclamation dams to impound floodwaters.
2. Extension of soil conservation work to augment the dams.
3. Congressional approval to a retroactive flood insurance program that would, in effect, be grants-in-aid to individuals and businesses suffering flood losses.
4. Increasing funds available for RFC loans in the disaster areas.
5. Federal grants and more lenient loans for repairing flood-stricken farms.

"Until Dinner Is Ready"

Going Up: There are about 2½ million trucks on American farms, or 1.3 million more than before the war.

I'll Be Around: About 96 per cent of the 1938 tractors were still on U. S. farms January 1, 1948, says the USDA. Only 44 per cent of the 1928 tractors and about 4 per cent of the 1920 tractors were estimated to be on farms at that date.

Busy Bossies: During 1949, the average dairy herd improvement association cow produced 8,907 pounds of milk and 359 pounds of butterfat, says U. S. Bureau of Dairy Industry. Average was taken on nearly a million cows.

Indian Teachers: Daniel Morgan Boone came to Kansas from the East to teach the Indians how to farm. His son, Napoleon Boone, grandson of the famous Daniel Boone, was born in 1828, the first white child born in Kansas.

Think You Have Troubles?: During the terrible "Grasshopper Year" of 1874, these pests arrived after a prolonged drouth and destroyed practically all growing crops in the state. To meet the famine problem, relief committees were formed by the state legislature. Money, food, clothing and seed were donated by other states.

Budget Troubles: Claude Wickard, REA administrator, found on recent trip to Alaska watermelons from United States sold at \$8 to \$10 each! USDA says he paid a quarter for a glass of milk and \$2 for a haircut.

When It All Began: The milling industry in Kansas began on May 17, 1838, when the first mill was completed. It cost \$2,800 and was located on Mill creek in Doniphan county.

Free for the Planting: The Kansas legislature in 1869 passed a Timber Bounty law. Every person planting 1 acre or more of prairie land to timber within 10 years was entitled to a bounty of \$2 an acre for a period of 25 years.

Popularity Plant: Corn is grown in every state in America. One acre of every 4 crop acres is planted in corn. In a big year the corn harvest is more than 3 billion bushels—three fifths of the world's harvest.

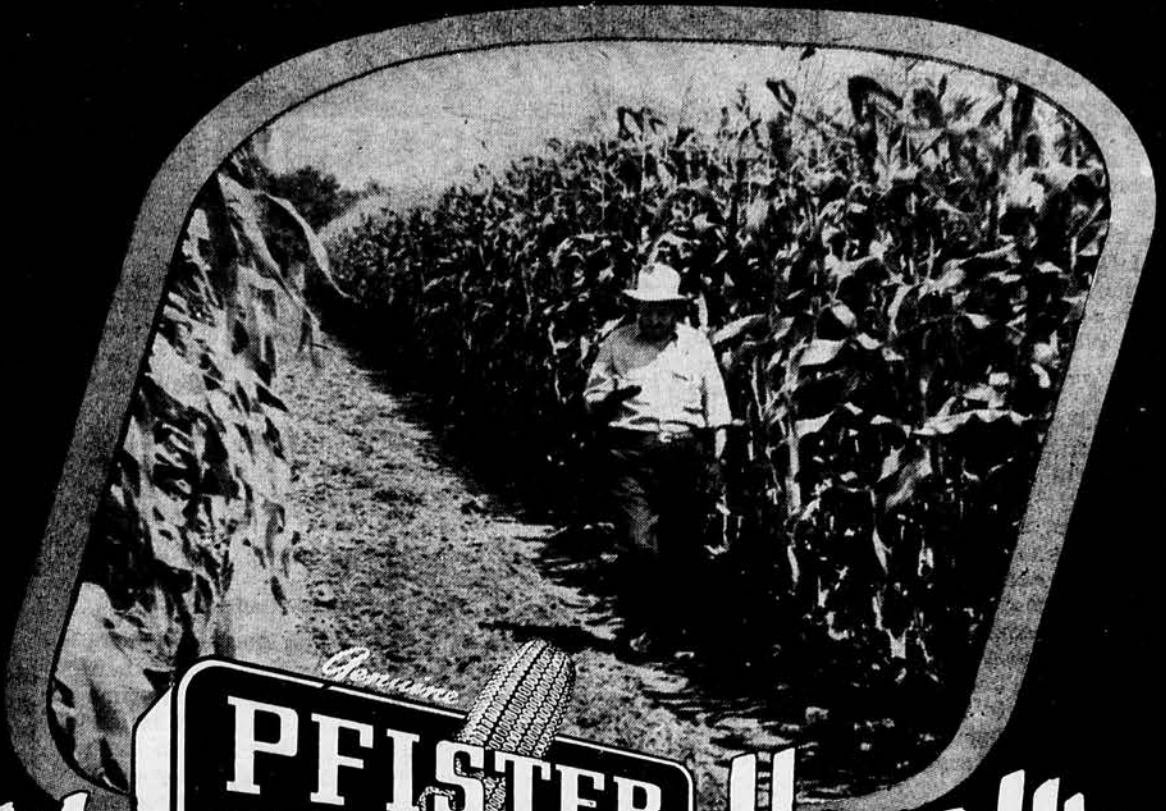
Chicken of Future: Of 625,000,000 chickens produced for commercial meat purposes in 1950, 425,000,000 of them were descendants of Chicken-of-Tomorrow contest stock, estimates the U. S. Department of Agriculture.

Hard Day: The Bell Telephone System puts in about 1,000 new telephones in rural areas every working day. Added 1,300,000 telephones in rural areas since V-J Day in 1945.

Up to the Top: Latest revised figures for cash from receipts in America for 1949 show Missouri and Kansas placed 6th and 7th respectively among states whose receipts were more than a billion dollars. California and Texas placed first and second.

On the Increase: From 1945 to 1950 the numbers of combines on U. S. farms increased 215,000. The Bureau of Agricultural Economics of the USDA reports in 1945 there were only 375,000 combines.

STATE COLLEGE
AUG 6 1951
MANHATTAN
KANSAS



For 8 Years

**PFISTER
HYBRIDS**

Have Won

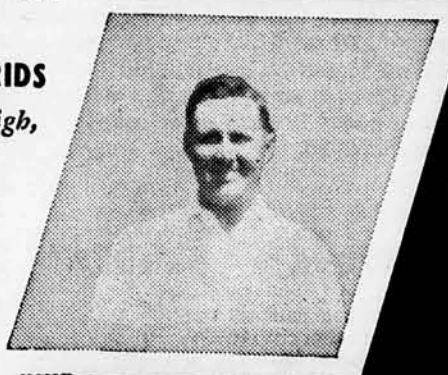
**8 out of 10 times
in 5,581 Yield Checks**

Right in farmer's fields, planted side by side with competitive hybrids, Genuine Pfister Hybrids have won 8 out of 10 times in 5,581 actual yield checks made during the past eight years. They won 82.3% of the time by an average of 9.9 bushels per acre on No. 2 shelled corn basis. The extra yield you get from Genuine Pfister Hybrids will prove to you—as it has to thousands of farmers across the corn belt—that you make more money when you plant Genuine Pfister Hybrids.

ASK THE MAN WHO GROWS GENUINE PFISTER HYBRIDS

"We plant 100% Genuine Pfister for several reasons: yields high, stands well, picks clean, and the seed is very accurately graded to assure even planting. We feed cattle and hogs the year around and get faster gains with Genuine Pfister."

Lambert Bailey—Hiawatha, Kansas



ASK THE MAN WHO SELLS GENUINE PFISTER HYBRIDS

We're mighty proud of our dealer organization. Each dealer has been selected because of his practical experience and knowledge of farming business in his respective territory. His chief aim is to help you produce more corn on your farm.

Listen to
"MARKET TRENDS" KCMO 12:45 M-W-F

**PFISTER
HYBRIDS**

**PFISTER
ASSOCIATED
ROWERS, INC.**

IN KANSAS: MISSOURI PFISTER GROWERS, INC., CARROLLTON, MISSOURI

Farm Matters

AS I SEE THEM

I NOTE that at long last Congress passed and sent to the White House the extension—thru June 30, 1952—of the Government's economic control powers.

As indicated months ago, the amended Defense Production Act carries a prohibition against the August and October rollbacks (9 per cent) on beef cattle price ceilings, but allows the first (10 per cent) rollback to remain in effect. Other commodities which might be affected, OPS says, are wool, cotton, lamb and veal.

On farm products, the bill bans rollbacks below 90 per cent of the May 19 level, or below parity.

The measure also bans livestock slaughter quotas. OPS asserts that this OPS control of slaughtering by each slaughterer thru quotas is necessary to prevent black marketing of meats.

However, the possible use of quotas for other purposes is obvious, it seems to me. During most of last spring and early summer, the quotas were fixed 10 to 15 per cent below each slaughterer's poundage slaughter of the same month the preceding year.

The effect of this, of course, was to reduce the supply of meats for consumers to buy. With increased purchasing power in the hands of consumers, this of course would tend to force prices upward—thereby furnishing the Government with stronger arguments to housewives why they should insist on price controls being extended, with rollback authority.

In other words, the slaughter quota authority contained in the old Defense Production Act could be used, and in my opinion was attempted to be used, to force prices upward in order to strengthen the argument for price controls, including rollback authority for OPS.

Of particular interest to the sellers and purchasers on the installment plan, the bill eases credit restrictions also. It bars the Federal Reserve Board from requiring more than one-third down payment on new or used car purchases and requires purchasers to be given at least 19 months to pay off the loan; FRB requirement was payment in 15 months. Down payments on home appliances and TV sets are limited to 15 per cent, in lieu of board requirement of 25 per cent; 18 months to pay balance, instead of board's 15 months. Household furniture and floor coverings retain the top down payment of 15 per cent; 18 months or more to pay balance, instead of 15.

U. S. Treasury is preparing a bond sale drive this fall. Congress apparently, in easing restrictions on credit for individual consumers, took the attitude if the Government is going to live on borrowed money, don't be too severe on the consumers who want to do the same.

Of course, both the government spending of borrowed money and consumer spending of borrowed money are inflationary. So the inflationary spree is to be continued—until finally the bubble bursts.

High Honor Appreciated

I WISH to thank the Kansas Master Farmers for making me an honorary member of their group. I have received other honors in my time from various sources. But I am frank to say recognition of this kind coming from a farm group means more to me than any other kind. On the occasion of their recent annual meeting held in Manhattan when a new class was initiated, the Kansas Master Farmers were thoughtful enough to vote me into their membership. I appreciate it from the bottom of my heart.

While I am not a farmer I have attempted to be of service to the farmers of my state. That is the reason I started the Master Farmer project back in 1927 in Kansas thru *Kansas Farmer*. In this connection I note with keen appreciation that Dr. F. D. Farrell, president-emeritus of Kansas State College, has just written a 40-page study of the Kansas Master Farmers in College's series of Kansas Rural Institutions. It is intensely interesting to farm-minded people and gives a true-to-life picture of what can be accomplished on Kansas farms.

That is the reason I was so eager to sponsor the Master Farmer project in Kansas. Its purpose is to give public recognition for excellence of performance in farming, farm living, and rural citizenship, not only to honor successful individuals, but to hold up high standards of satisfying farm living as an inspiration to the boys and girls growing up on our farms. I think it is essential to keep as many of these boys and girls as possible on farms when they grow up. It is the surest way of having our farms owned

and operated by the kind of people who are capable of handling one of the most important production jobs of all. Feeding the nation and keeping up with the progress in agriculture is a job that requires keen minds, and qualities of character and sincerity of purpose second to none. I think it is interesting to note that the *Kansas Farmer* score card for Master Farmer candidates, even back in 1927, stressed the importance of soil management, water management and field arrangement. Those points are most important today. Our good farmers of 20 or 25 years ago, and younger ones coming along thru the years, deserve a vote of thanks for sticking to the soil erosion problem. I think they have about turned the tide until there is a net gain every year in soil-saving and soil-building.

You have read a great deal in *Kansas Farmer* about how our Master Farmers operate. I won't go into that. But Doctor Farrell, in his study, picks out three facts I find especially interesting. They include national origin, farm background and extent of experience of all Master Farmers selected in classes thru 1949. Almost 90 per cent (125) of the 140 Master Farmers are native-born Americans, most of them born and reared in Kansas, altho several came from other states of the Union. The 15 men born in foreign lands and now naturalized Americans represent 7 countries: Germany, Great Britain, Sweden, Denmark, Ireland, France and Switzerland. Of the 140 Master Farmers, 128, or about 90 per cent were reared on farms. All but a few of the 140 Master Farmers obtained all their farm experience in Kansas. Length of Kansas farm experience ranged from 6 years to 58 years. The study shows that to be designated a Kansas Master Farmer most men need 10 to 20 years or more of farm experience to prove their worth.

I realize there are many hundreds more Master Farmers in Kansas than ever can be so recognized in this project. But it is my deep conviction such a project, aimed at holding high the standards of farm life, has a share in the progress of agriculture in Kansas.

Arthur Capper
Topeka.

Looks Like "Big Dam" Idea Has Won

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

AS POINTED out in a talk at the High Twelve luncheon club in Topeka last week, many farmers in the flood-afflicted river valleys of Kansas (and other states) will have to revamp their present soil and cropping programs. Reason—they don't have the same soil ingredients in the same proportions they had before the floods. Also, other physical characteristics of their farms have been changed.

Wilbur Levering, who has succeeded the veteran Preston Hale as Shawnee county agricultural agent, strongly recommends soil-testing before the program revamping. Looks like pretty good advice.

At present writing, it looks as if the floods of 1951 have given the "big dam" proponents a complete victory. This includes erection of multiple-purpose structures (impounding waters for recreation, navigation, irrigation and government-controlled electric power production), reservoirs such as Tuttle Creek (Blue) and Milford (Republican).

The Kansas City meeting of the Missouri Valley States Committee resolved strongly for early completion of the entire Pick-Sloan program for the Missouri Valley including, of course, the Kansas tributaries.

Included in this program are appropriations by Congress for construction of Tuttle Creek dam above Manhattan on the Blue, already authorized by Congress, but for which no appropriation ever has been made.

Congressional authorization also was recommended, urgently, for Milford reservoir on the Republican near Wakefield; Perry dam on the Delaware, with additional levee protection for Salina, Abilene, Junction City, Manhattan, Topeka and Lawrence in the Kansas river basin. Foregoing are army engineering projects under the compromise of several years ago between the Army Engineers and the Bureau of Reclamation.

Bureau of Reclamation projects endorsed at the Kansas City meeting include, in the Kaw river basin, Wilson dam on the Saline and Glen Elder, Kirwin and Webster dams in the Solomon valley.

In the Arkansas river basin, the Kansas City meeting urged an immediate start on the authorized levee projects at Hutchinson and Wichita; construction of the Toronto reservoir on the Verdigris river.

Blanket resolution planks were approved asking funds for surveys and planning by the Army engineers on all flood hazard streams in the Missouri, Kansas and Arkansas valleys. Also, Congressional authorization was asked on all recommended (Army Engineers or Bureau of Reclamation) projects in Missouri and Kansas, so these 10 will be eligible for Congressional appropriations.

Senate and House conferees still were struggling with extension of the Defense Production Act as this issue of *Kansas Farmer* went to press. As indicated previously, future beef cattle price rollbacks are out; probably all farm commodity price rollbacks are in effect barred in the extension act, altho some of the wording is so tricky as to be doubtful.

So far, in the slugging match between the Administration and opponents of all-out controls asked by the White House, the "scare tactics" program of the Administration has proved to be a "dud." In its final form, the DPA extension act, so far as price and wage controls are concerned, is weaker,

from the Administration viewpoint, than the original act.

President Truman, Mobilization Director Wilson, Economic Director Johnston, and Stabilization Director DiSalle have taken turns during the past months pointing out what dire things would happen unless a "strong" control act were adopted. In an effort to whip up consumer sentiment, each in turn issued his warnings; the other 3 would sling supporting language in interviews, broadcasts, and public statements.

But on the whole the consumers haven't "scared" sufficiently to bring the wished-for support for all-out controls. Consumers have seemed apathetic to the continuous stream of cries of "wolf" over the years. And Congressional opposition to the Administration program has been more or less responsive to public apathy.

Points definitely lost by the Administration appear to be:

Future beef cattle price rollbacks.
Parity freeze (parity same for entire marketing season).
Stringent government control of marginal trading.

Subsidies on farm products.
Licensing authority for all businesses.

(Continued on Page 34)

Thoughts TO LIVE BY

"Moving Mountains"

MOUNTAINS are majestic. Their very ruggedness makes them appealing. So there always will be mountain climbers, men who will risk their lives to achieve the heights. Painters and photographers will annually try to capture the beauty of the mountains. Archeologists will probe the secrets of their origin and explain their development. Men will lift up their eyes to the mountains, for the mountains point toward God. As may be expected, mountains played a large part in the history of religion. Engineers have done some remarkable feats with mountains, building highways over passes or thru tunnels. They also have bored holes thru the solid rock so water may be pumped from one side of the continental divide to the other to irrigate the parched land, and make "the desert blossom as the rose."

There are many things men can do with mountains, but moving them still seems impossible. Who has seen someone move a mountain or a mountain someone has moved? And yet the man whom we call Master, the man who was so right in the matters we can test that we are prone to accept his utterances in the areas that cannot be demonstrated, said, "If ye have faith as a grain of mustard seed, ye shall say unto this mountain, Remove hence to yonder place; and it shall remove."

That there have been men of faith we would all agree. But despite their faithfulness, no one actually has moved a mountain, not even the martyrs or the many others who believed

in a disbelieving world. That leads us to inquire about the meaning of the statement. Accept it figuratively, and it pulsates with significance.

A man-mountain once held the armies of Israel at bay. Before this giant, the soldiers were panic-stricken. Then a boy with faith used his slingshot and removed this mountainous obstacle to the freedom of his people.

Slavery was a mountain of misery. It was deeply entrenched in the minds of many people and in the mores of society. The sanctions of religion were employed to sustain it. Sub-Christian passages of the Scriptures were marshalled to the defense of this infamous institution. Then men of faith moved the mountain into the midst of the sea, in America by war, in England by a process of education and law.

Nearly every one of us faces a mountain. It is a massive obstacle obstructing our progress. There are social issues for some to champion. There are personal victories to be won. Perhaps we ourselves can scale the heights, but what about others about us? There is the danger someone will freeze above timber-line. There is the danger of falling off a cliff or into a crevasse. Men of faith will move the mountain. For the sake of those who follow after them, they will not permit a stumbling block to exist.

When next obstacles thwart your plans or frustrate your activities, it will be helpful to remember men of faith can move mountains.

—Larry Schwarz.

Old-Time Diseases

By CHARLES H. LERRIGO, M. D.

WILL the old-time diseases ever come back?" asks a subscriber. "Both my father and mother died in an epidemic of typhoid fever when I was 10 years old—that was in 1906. I haven't heard of anyone with typhoid for years. An uncle died of dropsy a few years after, all swollen up to his knees. Nobody seems to have dropsy, now. Women used to die in childbirth, too; but they don't nowadays. No wonder we live so much longer."

True enough! It is often said that diseases now interfering with everyday life of working people are those that used to pass under the names of chronic ailments. We are not free entirely from undulant fever, known as brucellosis. It is still common enough in many of our states, but typhoid fever is practically a thing of the past. Perhaps that is the reason so many public health workers are giving particular attention to the forms of chronic illness, and a national commission to

study into chronic diseases has been organized. Already it is doing quite decisive work.

Cancer is one of the prominent diseases still taking lives of young and middle-aged people, especially lung cancer. Records show cancer causes 2,000 deaths each year in the United States. The special commission is convinced that if efforts continue to find cancer in the early stages a large proportion of cases can be cured. This seems to apply especially to skin cancer and cancer of the breast, uterus and lungs. The explanation of why cancer of the lung has taken on such big proportions is chiefly in the fact that until a few years ago cancer of the lung was quite apt to be classed as a death from tuberculosis or other lung diseases. With new methods of diagnosis lung cancer may now be identified by X-ray picture at a sufficiently early stage of its attack to give excellent chance of cure.

Naturally enough, old-time chronic rheumatism, now spoken of as rheumatoid arthritis, looms up with great prominence among these chronic diseases. Best estimates presented are that nearly a million persons in the United States are totally or partially disabled by arthritis. Cortisone and ACTH, the hormone remedies that attracted so much attention 2 years ago, are still considered best methods of treatment for a certain severe type of cases. The remedies are still difficult to obtain, very expensive, and all too many cases relapse into the old trouble when the medicine is withdrawn. Where the new remedies are exactly suited to the case the effects obtained are wonderful. Physicians are slow to urge their use, partly because of the expense and because many patients find the cure does not persist.



"It was my going-away present from the office staff."



I DON'T MIND TELLING YOU, I WAS ONE SURPRISED MECHANIC WHEN THAT GIRL HANDED ME THE LOVING CUP FOR 1ST PRIZE IN A BEAUTY CONTEST!

BUT SHE SET ME STRAIGHT, SHE TOLD ME I WON IT FOR HER...BY REPAIRING HER FORD SO FAST THAT SHE WAS ABLE TO GET TO THE CONTEST BEFORE THE ENTRIES CLOSED



I EXPLAINED THAT THE PRIZE SHOULD GO TO THE GENUINE FORD PARTS I USED. IT'S NO TRICK TO DO A GOOD, FAST JOB WITH PARTS THAT ARE MADE RIGHT TO FIT RIGHT.



AND I TOLD HER THAT THE JOB I DID WOULD STAY RIGHT! FOR GENUINE FORD PARTS ARE TESTED AND PROVED FOR LONG LIFE BY THE MEN WHO BUILT HER FORD!



AVAILABLE WHEREVER YOU SEE THIS SIGN AT ALL FORD DEALERS AND SELECTED INDEPENDENT GARAGES

KEEP YOUR FORD ALL FORD

I EXPLAINED SHE'D SAVE TIME, MONEY AND HER FORD IF SHE ALWAYS SPECIFIED GENUINE FORD PARTS!



The BEST BODY at the BEST PRICE!

AVAILABLE Everywhere
COMPLETE STOCK of BODIES and HOISTS AVAILABLE At All the Following DIRECT FACTORY BRANCHES All Branches Located at Stockyards
KANSAS CITY E. ST. LOUIS
South Omaha — Denver Billings — Idaho Falls Wichita — Chicago Sioux City
Any Dealer Can Get Your OMAHA STANDARD BODY or HOIST from the Factory or any Factory Branch

OMAHA STANDARD BODIES
GRAIN TIGHT—BULL STRONG
• BUILT to outlast any truck—Take more road and load punishment
• SUPER-STRONG, Flexible hardwood body—Edge grain floor. No exposed nails.
• All lengths for all trucks
• For over 20 years the Trucker's Standard! Often copied—never equalled!
★ Write direct to factory, Dept. No. 5, for your FREE body and hoist CATALOG! ★
OMAHA STANDARD
Factory and General Offices
2411 W. Broadway — Council Bluffs, Ia.—84
DON'T BE CONFUSED — THERE'S ONLY ONE OMAHA STANDARD



More Farmers Plant
DEKALB
than any other corn
and Here's why...

37,949 Farmers Average 97.30 Bushels of DeKalb Corn per Acre* over the past 12 years

Think of it—almost 38,000 farmers grew an average of more than 97 bushels of DeKalb Corn per acre during a 12 year period of DeKalb Selected 5-Acre Corn Growing Contests. That's real achievement. It means both good farming practices and good seed corn were used. These high yields were made with the same DeKalb varieties you can plant—on typical farms like yours, and under both good and bad weather. Records like these have given DeKalb an enviable reputation of "reliable, steady yielding corn." See your DeKalb Dealer. He'll help you with your corn problems.

DeKalb Agricultural Association, Inc., DeKalb, Illinois
Commercial Producers & Distributors of DeKalb Seed Corn & DeKalb Chix



*All yields were made on selected 5-Acre Contest plots in National DeKalb Selected 5-Acre Growing Contests.

Yes-It pays to plant DeKalb!



FIGURES ON MAP SHOW AVERAGE STATE YIELDS OF CONTESTANTS OVER 7 YEARS OF DEKALB CORN CONTESTS

*TEXAS—3 YR. AV. *OKLAHOMA—5 YR. AV. *NEW YORK—6 YR. AV. *TENNESSEE—4 YR. AV. *NEW JERSEY—4 YR. AV.

CHIX

DEKALB
CORN

*Leaders in the field of
Seed Corn and Poultry Research*

Answers to Your Flower Questions

By FRANK PAYNE

LAWNS, of course, are not flowers. But to most flower lovers they are as important in home beautification as any part of your flower garden. A lawn always reminds me of a lady's hair. If well-kept and groomed it is very beautiful. But if not well-cared-for—well, it just makes everything look dowdy.

There is a lot of hard work in keeping a lawn in good condition, but after all, we are only proud of what we take good care of, so a little hard work never discourages a true flower grower.

I will now try to answer just 2 questions about lawns, but they will cover about all I can tell you at this time.

Question: I live on an old homestead where grass on a large lawn looks very poor and does not grow well. What can I do to make it look nice and green? Should I fertilize? If so, what shall I use? What about putting lime on the grass? When should I start to rebuild this lawn, fall or spring?

Answer: First thing I can tell you is not to give up hope because one really can rebuild an old, sick lawn so it will look as nice as a bright new rug on the living-room floor. Of course, it takes plenty of work, time and fertilizer but you will be well repaid for all of your efforts.

Best time to start work on an old lawn is early fall, and September is not a bit too early. I do not recommend liming an old lawn. Weeds harm old lawns most, and weeds flourish in limed soil. If your soil is sour, weeds do not take the lawn as easily.

Where many folks get the lime idea is they know lime is good for clovers and legumes and they think it is good for lawn grasses. But remember, lawn grass is another type different from your legumes and clovers. What your old lawn no doubt needs badly is fertilizer.

Use Complete Fertilizer

You can use commercial fertilizer most any time this fall provided it is not too hot or dry, or right now if water is available, so your lawn can be heavily soaked with water. A complete fertilizer is best, one that contains nitrogen, phosphorus and potash. This material should be spread evenly over the lawn at the rate of 18 pounds to 1,000 square feet. (That would be a plot 20 by 50 feet.)

Now about the bare spots; they, of course, must be reseeded. Kentucky bluegrass, 3 parts mixed with 1 part redtop, make a good mixture. Buy your seed from a reliable firm, the very best grade you can buy. Never waste your time and money on cheap grass mixtures, you are sure to be disappointed with results. When you sow grass seed broadcast it both ways, then you are sure to get it spread evenly. A light rolling is good for your lawn, but never use a heavy roller during wet weather. It could cause harm to the grass. Weeds and dandelions can be easily killed with weed killers sprayed on old lawns before reseeding. There also are some chemical sprays made for killing pesty crabgrass, but as I have never used them will not recommend anything I have not tested well. Probably your county agent can tell you something about crabgrass killer chemicals.

Last but not least, do not set your lawnmower too low, especially if it is hot and dry. You would be sure to expose the grass roots to extreme heat

(Continued on Page 13)

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To Beautify Yard

Some suggestions on what to do in August as listed in the "Landscape Calendar," are: divide iris where crowded and replant surplus rhizomes; start a compost heap; watch evergreens for red spider; seed bluegrass lawns; and for September, sow seeds of hardy perennials; divide hardy perennials, and there is much other useful information for each month of the year for beautifying the yard. The booklet is published by Extension Department, Kansas State College. Write to Farm Service Editor, Kansas Farmer, Topeka, for a free copy of the bulletin.

which is quite harmful. Better mow more frequently and do not clip too low. The short grass clippings also will act as mulch and need not be raked off.

Question: We are going to build a new home. How would you advise me to make a lawn where no grass has ever been on the place? We will build right out in a cultivated field.

Answer: I am glad you wrote me before you started to build so I can tell you of something very important. You should take care of this the very minute your builders start to work.

I am assuming you will have a basement. That is when you should be right on the job the minute that bulldozer starts to dig the basement. Not only tell the man, but also be there to see that the first 6 inches of topsoil taken from the basement are placed in a separate pile so this soil can be spread back last when you level off the lawn. That is cream topsoil and should be spread where your lawn will be.

It is easy to get grass seed started to grow in this topsoil, but mighty hard if you try to grow grass in clay soil taken 6 feet or more out of a basement. Many folks try to do this simply because the bulldozer man did not think about good topsoil needed for seedbed.

This seedbed of topsoil must be leveled off and worked real fine. Sow the best Kentucky bluegrass and redbud same as mentioned for an old lawn, both ways, rake in the seed, roll lightly

and water well. Use 2 pounds of seed to 400 square feet of lawn space.

Do not be too eager to mow the new lawn too soon, because the young grass is mighty tender and frail and cannot stand such rough treatment. Let it get a good start first. Fertilize same as outlined for an old lawn after the young grass is well established.

Sodding a Lawn

Now a few words about sodding a lawn. It is much more expensive to have a lawn made by using sod than it is to grow your lawn from seed. If you intend to do all the work yourself, remember it is a mighty heavy one and you should by all means have the proper sod-cutting tools to do a neat job. Never try to cut sod on sandy soil, it simply can't be done. I can recommend sodding on such spots as a terrace, when soft ground would wash away before you could get a new seedbed started. One should best sod a lawn when a heavy rain is expected. If it doesn't come, you must water. Be sure to give it a real, heavy soaking. You will be surprised how much water sod can take, but a heavy watering and rolling right afterwards will help in getting your sod well established and growing on its new home. After it is growing nicely use fertilizer, and more heavy watering to follow will give it a lot of pep and make it a lawn you will be proud to look at.

Coming, August 18 . . .

Frank Payne, flower expert who makes his living growing them, will be back in the August 18, 1951, issue of *Kansas Farmer* with article No. 7 in his special series. You recall back in the January 6, 1951, issue we promised the series was coming. Six articles were to appear in spring, and 4 this fall starting in August. Probably you clipped the Payne articles including "Flowers Around Your Home," "Seed Flowers," 2 on "Bulb Flowers," "Roadside Plantings," and "Hardy Chrysanthemums." Following these Mr. Payne has been answering your flower questions in *Kansas Farmer*. We hope you enjoyed them and that they have been helpful. Send in more questions anytime.

But don't miss article No. 7 about Peonies coming to you in the August 18, issue of *Kansas Farmer*. Do you know where we got them?

Coming Events

August 4-6—State camp, rural life, Rock Springs.

August 6—Ellsworth county beef tour.

August 6-7—Reno county district 4-H dairy judging school.

August 6-8—Cloud county fair and 4-H encampment, Glasco.

August 6-11—State camp, junior leadership, Rock Springs.

August 7—Lincoln county, beef barbecue and tour, Lincoln.

August 7—Shawnee county district grain bin fumigation school, Topeka Auditorium, Room 202, 10 A. M.; in afternoon will go to some farm to demonstrate.

August 7-9—Jefferson county 4-H camp, Sycamore Springs.

August 7-11—Graham county Pioneer Days and 4-H fair, Hill City.

August 8-9—Harvey county, Old Settlers picnic, Halstead.

August 8-11—Barton county, younger 4-H members camp, Hays.

August 8-11—Ellis county 4-H members (ages 10 to 14) camp, Ft. Hays College.

August 9—Sedgwick county, summer dairy tour.

August 9—Cloud county beef tour.

August 9-10—Southwest Kansas Hereford Association tour, visiting herds in Barber, Comanche, Ford and Clark counties.

August 10—Brown county, 7th county 4-H tractor maintenance school, Hiawatha Implement Company.

August 10—Kingman county, dairy tour.

August 10-11—Washington county, craft work, with Ellen Batchelor, KSC specialist.

August 12-16—State camp, conservation, Rock Springs.

August 13-15—Neosho county 4-H fair, Erie.

August 14-16—Ellis county 4-H fair, Hays.

August 15-17—Phillips county 4-H fair, Phillipsburg.

August 15-17—Rice county 4-H fair, Lyons.

August 16—Ford county 4-H council, Dodge City.

August 16—Logan county, summer beef tour.

August 16—Barton county-wide crop tour, with L. E. Willoughby, KSC specialist.

August 16—Elk county, judging of all style review and best groomed boy entries, Howard high school, 8 p.m.

August 16—Chautauqua county, 4-H Club Achievement Day, Cedar Vale.

August 16-17—Shawnee county 4-H fair, Free Fair grounds.

August 16-17—Hodgeman county 4-H Club fair, Jetmore.

August 16-18—Ellsworth county, 4-H fair, Ellsworth.

August 17-18—Kearny county 4-H fair.

August 20-22—McPherson county 4-H Club fair.

August 20—4-H county council meeting, Cottonwood Falls.

August 20-25—Shawnee county, state soil conservation camp, Rock Springs.

August 21-22—Jefferson county 4-H fair.

August 21-24—Jackson county fair and 4-H fair, Holton.

August 21-24—Harper county agricultural fair, Harper.

August 22-24—Butler county 4-H fair.

August 22-24—Ford county 4-H fair.

August 22-24—Comanche county 4-H fair, Protection.

August 22-24—Barton county 4-H fair, Great Bend.

August 22-25—Chase county fair, Swope Park, Cottonwood Falls.

August 23-24—Rawlins county 4-H and FFA fair, Atwood.

August 23-24—Edwards county 4-H fair.

August 23-25—Old Settlers' Reunion, Oskaloosa.

August 24—Barton county 4-H fat livestock auction.

August 24—Shawnee county dairy day, with George Gerber, milk marketing specialist.

August 24—Reno county, Farm Bureau picnic, State Fair Grounds, Hutchinson.

August 25—Sedgwick county, fall field day.

August 27—Sedgwick county, fall beef tour.

August 28—Neosho county, Thayer Branch Experiment Field day.

August 28-31—Kingman county 4-H fair.

August 29—Johnson county, milk market study, with George Gerber, KSC specialist.

August 29—Washington county, farm management fall outlook meeting, with C. E. Bartlett and H. C. Love.

August 30—Butler county, farm management outlook meeting.

August 30-31—Finney county, cattleman's carnival-rodeo, Garden City.

August 30-31—Miami county, lesson by Vivian Briggs, KSC home management specialist, subject, "Helping Children Become Good Citizens."

August 31—Pottawatomie county beef tour with Ray Hoss and M. B. Powell, emphasis on creep and deferred feeding.

August 31—Elk county, farm management association summary meeting, with John Coolidge, KSC specialist.

September 1—Labor Day outboard motor races, Kanopolis Lake.

September 2-4—Ford County Boot Hill Rodeo, Dodge City.

September 3—Brown county, horse show.

September 4—Osborne county, agriculture outlook, Osborne, by H. C. Love and C. E. Bartlett, KSC extension specialists.

September 4—Osborne county, district outlook meeting, with C. E. Bartlett and H. C. Love, Downs.

September 4-5—Johnson county, leader training meeting, guiding the pre-school child, with Mrs. Vivian Briggs, KSC specialist, Olathe.

September 4—Barton county advisory committee meeting.

September 6—Barton county 4-H council.

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Donna Goes to France

Now Living in Lovely, 17-room Home With Family of 5 Children; French People Are Wonderfully Nice

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



Donna Cowan

DEAR MR. GILKESON: One of the first things that impressed us as we neared the coast of France on the Cunard line ship, the Georgic, was the beauty of the sun and sky. We reached Le Havre July 6, after sailing on the Atlantic 9 days. Day before we had stopped in the harbor of Cobh, Ireland, to let off passengers headed for Dublin, and the 6 International Farm Youth Exchange delegates to Ireland and North Ireland. It was early in the morning, but we could see neat little fields on the hills of the Emerald Isle, and villages tucked away in the valleys. All we saw of England was Lands End in the distance, but the ship was to go to Southampton after it left France.

The week and 2 days on the Georgic were almost like visiting an international city. People of all races and creeds and languages were headed for many different missions. War brides and their small children were going home for a visit. Groups of college students, teachers, and ministers were on their way to tour Europe. And the 48-member IFYE group was working on board ship, formulating plans, country delegations having language classes, having vesper services every evening, and singing for a couple of hours every night after dinner.

Even Had Birthday Cake

The food was excellent, much of it, and many choices, all included in the passage ticket. Three of our group had birthdays on the Atlantic and on July 4 we found a big birthday cake with our names written on it at our table. There were 12 of us at each table, delegates to several different countries. Our table certainly had an international air with snatches of German, Norwegian and French joining the conversation.

From Le Havre we took a boat train to Paris where we were met by officials of the Cercle National des Jeunes, young farmers organization. We rode in an American embassy car to the Hotel Vouillemont, close to the American Embassy and the Champs Elysees. There we were met by a representative of the agricultural division of the American Embassy, and by a man from International Harvester. That evening we went to the Folies Bergere, walked along Montmartre street, and ate coffee ice cream at a genuine Paris sidewalk cafe. I had lots of fun-translating for the taxis, buying tickets, and ordering for us all at the cafes.

Four Americans in Paris

Next morning some of the other IFYE's who had stayed overnight at another hotel went on to their respective countries, and we became 4 Americans in Paris. We had breakfast of "café au lait," half hot milk and half hot strong coffee, and "croissants," big twisted buns, in the sun at another sidewalk cafe. When we returned to the hotel, Monsieur Dutertre of Cima (International Harvester) and Monsieur Durand Drouhin of the Cercle des Jeunes were ready to drive us to Versailles. There we went thru the palace of the Kings, Louis of France, and walked thru the rooms of Marie Antoinette as well as of Madame Pompadour, and thru the famous hall of mirrors.

We had a 2-hour luncheon in Versailles, then went to the National School of Horticulture which is located in one of Louis XIV gardens where the walls are still standing. Apple trees were growing like vines, thus conserving ground space, but still producing large fruit. At 8 o'clock that evening members of the French Agricultural Ministry, Cercle National des Jeunes, American Embassy and we International Farm Youth Exchange delegates were guests of International Harvester at the Cafe Le Doyen on the Champs Elysees. The dinner lasted until 11:30. The French have excellent food and take time to enjoy their meals. On the way home we walked along the Champs Elysees to the beautifully lighted fountains of the Place de la Concorde.

Next morning we parted in 4 directions from Paris to our farms. George Scott from Colorado is at Auxerre, southeast; Esco Williams from Mississippi is northwest near Caen; Carol Jean Blackhall of Sterling, Kan., is southwest near Chartres, and I am northeast of Amiens in the Somme river valley.

Monsieur Vanoye was at the station at Albert to meet me when I arrived from the 2-hour train trip from Paris. The second-class train has separate compartments for 8 and an aisle on the outside, rather than thru the center, into which opens the compartment door. Monsieur Vanoye and a friend of his who speaks English drove me to this lovely, new, 17-room home at the village of Herbecourt. The old farmhouse and all the barns are just back of the new house. The Vanoyes are about the same age as my parents and have 5 children, the oldest 18 and the youngest 9. We get along very well together and speak French all the time. The children and I play monopoly together which is the same game that we have. Changing dollars to francs is harder for me than to translate English to French. There are about 345 francs in a dollar, but things don't cost any less. In a grocery store the other day I saw a 2½-size can of fruit cocktail for sale for 390 francs.

World War I Damage

Monsieur Vanoye is the mayor of Herbecourt which is located north of Amiens in the Somme river valley. Most of World War I was fought right in this area. Now one sees many half-destroyed buildings, and lots of reconstruction going on as a result of the last war here.

At Amiens the other day we went thru a 13th century cathedral and saw houses that were built in that same age. This is a very old country, full of history. The land here is rich and Monsieur Vanoye has a large farm. He grows mostly sugar beets, orchards of apples and pears, and seed potatoes. There is water piped thru the fields from the Somme river, and last week I watched the potato plants being sprinkled. Yesterday there were 3 teams of horses pulling 3 heavy rollers over the potatoes, followed by a tractor pulling a big sprayer of poison to kill the plants. This is done to stop the growth while the potatoes are just the right size to be used for seed.

Peronne is a town about the size of
(Continued on Page 15)

Kitchen Cabinets

Before remodeling your kitchen you might like to see the bulletin, "Easy-to-Build Kitchen Cabinets for the Remodeled Farmhouse." Cabinets are pictured and explained for each type of unit. Materials and tools required are familiar to the farm carpenter. Write to Farm Service Editor, Kansas Farmer, Topeka, for a copy of the booklet, No. 680. Price 15c.

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CHEMICALS FOR THE FARM

Emporia, 9 kilometers away. There are many different kinds of stores. The epicerie sells canned and packaged foods, the boulangerie bread and pastry, the boucherie all meats except pork, and the charcuterie specializes in meats from the pig.

Saturday, July 14, we celebrated French Revolution Day. The mayor, Monsieur Vanoye, gave a speech and presented medals to the colorfully uniformed firemen of the village. Children of the community placed a bouquet on the monument to the soldiers of World War I. After the ceremonies there were games, contests, refreshments and fire-crackers. That evening we drove the 45 kilometers to Amiens to a movie. It's a good thing there were pictures, because it was in French and they talk awfully fast. I couldn't very well say, "Speak slowly, please." It wasn't hard to find a parking place, but the large theater was crowded with people celebrating the national holiday.

Sunday morning we went to 10 o'clock mass at the little Catholic church here in the village. I understand more French than I do Latin, but the music was beautiful, and I recognized one hymn we sing in the choir at home. That afternoon was the last-day-of-school program. School was out July 13 and will open again October 1. There were dialogues, and little children spoke pieces and sang songs, just like they do at home on the last day of school. At the end of the program Monsieur Le Maire, Monsieur Vanoye, presented prizes of books to the 30 pupils for their scholarship during the year. One little front-toothless boy received a first prize for reading and the mayor asked him how long he'd known how to read. He proudly responded, "Oh, a long time." Only in French. The language is getting easier to understand, and the people are wonderfully nice.

—Donna Cowan, Somme, France.

Hershberger Cows Complete Tests

E. D. Hershberger, of Hershberger's Guernsey Dairy, Newton, is the owner of 4 registered Guernseys that have recently completed production records with the American Guernsey Cattle Club.

On twice-daily milking for 365 days, Abelia's Gladiolus, a junior 2-year-old, produced 9,423 pounds of milk and 491 pounds of butterfat. Chelsea's Lulu of North Home, a senior 4-year-old, produced 10,098 pounds of milk and 518 pounds of butterfat on twice-daily milking. Crusader's Meadow Jane, a 9-year-old, produced 12,709 pounds of milk and 563 pounds of butterfat on twice-daily milking. Hershberger's Laddie's Janice, a senior 2-year-old, produced 8,655 pounds of milk and 443 pounds of butterfat on twice-daily milking.

To Guatemala To Study Insects

Dr. R. N. Painter, Kansas State College entomologist, is in Guatemala for 6 weeks doing corn insect research. He is studying insects damaging corn both in the United States and Guatemala, so results will aid farmers and plant breeders of both countries. Doctor Painter was invited by the Iowa State College-Guatemala Tropical Research Center.

Storing Garden Hose

A good way to store garden hose is simply to coil it and loop over a wooden coat hanger. Then hook hanger on a nail. The hose will be kept in good condition, and in less space than necessary for a conventional reel.—E. A. K.



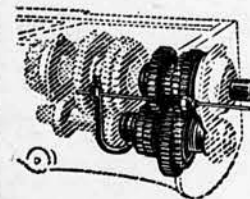
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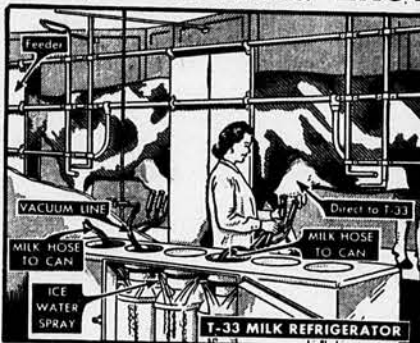
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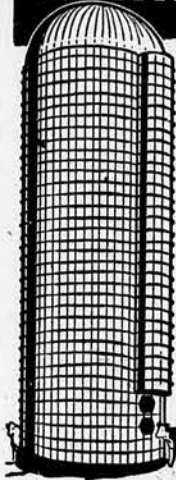
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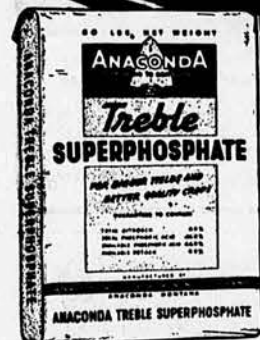
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Warren Goes to Switzerland

Nine Days Aboard Ship Were Filled With Discussions,
Singing, Square Dancing; Didn't Get Seasick

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

DEAR MR. GILKESON: We're off! After weeks of anticipation and preparation we have finally bid adieu to the U.S.A. for 5 months and we are now beginning our mission of world understanding and peace on earth.

The conglomeration of luggage on the pier made one wonder where they were going to put it all. After presenting our tickets and passports we boarded our ship, M. V. Georgic (M. V. stands for motor vessel.) We assembled on the top deck for motion pictures and newspaper photographers. Then down, down, down to our stateroom on the bottom deck. Decks are lettered alphabetically from top to bottom and mine was E3, right even with the water line.

New York was in a heavy haze when we sailed that evening on June 27, so we could not get good pictures of the skyline or the Statue of Liberty. We lost all sight of land about 6:30 while we were eating our first meal.

Much Like a Banquet

Speaking of meals I must say a little about them. Each one is served as if it was a banquet. Each waiter has 8 or 9 passengers to serve and all are truly experts at their game. The two stewards at our table were Ted and Peter from London. They were very patient with us and answered the hundreds of questions we asked as well as they could.

The menu was a puzzle if I ever saw one. We were served an appetizer first, then soup, a main dish and then dessert and coffee or tea. With about 4 choices for each course, and all with French-sounding names for each choice, they had me in a dither and I was not alone. Now after 8 days of it we are veterans.

The Georgic is an English ship owned by the Cunard line. She weighs 26,000 tons and is about 700 feet long. She carries 1,100 passengers and has a top speed of only 18 miles per hour with an average of 15.92 on this trip. We will be 9 days from New York to Le Havre, France, a distance of over 3,000 miles.

A day's schedule runs something like this: breakfast at 8, letter writing or playing cards until noon or going to a movie if you wish; dinner at 12. At 2:30 every day we IFYE's met to discuss problems that we would run into or questions that we would ask. Usually the meeting ran until 4:30. Supper at 6. Vesper service at 7:30 and then came the time of day everyone enjoyed. Evening and song on the wide blue Atlantic. Never in my life have I seen such a group love to sing as well as our group and that is not all. We usually had 50 or 100 others singing with us and we became well known as the "singing bunch." We usually sang 2 hours.

Did you ever try to take a shower with ice cold, slimy salt water? Your soap won't lather and you taste the salt. Whew!

Purpose of Our Trip

At our first IFYE meeting we were to choose two main purposes of our mission. Needless to say we came up with many but we boiled it down to this, and we have chosen this more or less as our theme. Mission of 1951 IFYE's: "We IFYE's feel that agriculture is the backbone of any nation and that the rural youth will be among the future leaders of the world. By living, working, playing and exchanging ideas with foreign families and organizations in other countries we are striving to develop peace and understanding thruout the world." Words of advice have been, "just be yourselves." "Best avenues of approach to reach our objective," was the topic of another discussion and this is what we came up with: "Present our views by demonstrations and living in a friendly and sincere manner and try to gain the confidence of our fellow-men."



Warren Prawl

Mr. Arndt of New York University, formerly of the State Department, spoke to us on our foreign policy and gave us information we could understand and straightened us out on some points.

On Tuesday night we had a square dance. The concert band on the ship had never played for this type of dance before but they did a marvelous job. Burt Olson, an IFYE from Wisconsin, called and things went along very well except for one thing. So many were dancing we didn't have room.

Burt, nicknamed "Pop," was chosen as leader of the 1951 IFYE's and he is a natural for the job. He also leads our singing.

No noise on July 4. This is the first Fourth I have not heard a firecracker. The captain had a big dinner for us the evening of Independence Day with caps, noise makers, flags and horns so everything ended O. K. This was not all. Wednesday night was stunt night and was entertaining.

Ireland Is Beautiful

Thursday morning was a red-letter day for 5 IFYE's, for we landed at Cobh, Ireland. They could hardly wait to get off. Ireland is beautiful. The fields were all different shades of green and in a checkerboard pattern. Buildings were very neat and clean and the whole countryside seemed to have its own place in the beauty of nature.

After leaving Cobh we were on the last leg of our journey. We are due to arrive at Le Havre at 11 a.m. Friday. Off and on Thursday we saw portions of the rugged English coastline.

Not one of our group thought of getting seasick. Of course, we didn't have any high seas because of one thing. Fog and overcast were so heavy the sea could not lift it to get freedom of movement. Sunday afternoon was the only time the sun broke thru and then for only 2 or 3 hours.

My next letter will be from my home in Switzerland.—Warren Prawl, American Legation, c/o Dr. Paul Minnisman, Counselor, Bern, Switzerland.

Want to Build?

A bulletin has been prepared recently by the U. S. Department of Agriculture entitled, "Using Credit to Finance Farmhouse Improvements." Many a farm family who plans to bring an old house up-to-date with central heating, a modern kitchen, new floors, or other improvements, wants to know more about financing by credit. This bulletin gives facts about using credit and describes recommended procedures. It lists all the credit terms, sources of credit, how much a family can afford to spend on remodeling, the cost, and the added costs of living in an improved house. If you are interested in such information, order the bulletin from Farm Service Editor, Kansas Farmer, Topeka. Cost 10 cents.

PURINA

CHECKERBOARD NEWS



Around the
PURINA
FARM with
ELMER POWELL

DIRECTOR, RESEARCH DEPT.

Last time I talked to you folks I told you I might have some news in this issue about an old cow that just won't give up. Well, that old cow, our Holstein No. 611, came through again—had her 13th calf and began her 12th lactation. (She had one set of twins.) As of May 1, this old grade cow had given us 170,000 lbs. of milk and she's still being milked three times a day.

It's a story like this that makes us all realize the real value of taking care of a cow. She'll sure pay off if you take care of her.

Some folks may think they're too old for baby sittin', but not our group . . . as far as pigging is concerned. When the pigs are coming we're right there with the sow. It's not such a task either when you consider the pigs we save. Just takes a few minutes to pick them up, wipe the mucous off, clip their needle teeth, and put them in a warm place until they're strong enough to nurse.

I've told you before about how we brought some Razorback sows to the Farm, built them up with Purina, and had them farrow the best litters of their lives. These litters have just been marketed and, in spite of their poor breeding, they averaged over a pound of gain a day from day old to market.

Ducks are some of the fastest growing things on our Farm. It takes them just about nine weeks to reach 6-6½ lbs. on just about 3-3½ lbs. of feed per pound of gain. They don't waste energy swimming either. All of our ducks are raised on gravel runs . . . Nothing but drinking water for them.

Not only do we learn a lot, but we have a lot of fun on our Research Farm trips. For instance, our route around the farm usually takes us from the turkey growing units to the dog and rabbit units. Hugh Dickinson, who's in charge of our research work with turkeys at the Farm, tells his group of visitors as they leave him, "Seems that when folks leave the turkeys, they always go to the dogs."



Production-Bred Sedgwick County Hens Averaged 240.67 Eggs

by J. H. McAdams

IT'S LITTLE WONDER Albert and Mrs. Gruenbacher of Colwich rural route have such a decided leaning toward more and better poultry. Starting with poultry in 1937 they have kept daily egg production records. Their own records have shown the importance of poultry income to a general farm like theirs.

In the year that ended Oct. 1, 1950, they had housed 394 hens, and finished with 313. Sixty-one hens had been culled and salvaged as meat. Only 20 had died. On a hen day basis their flock had averaged laying 240.67 eggs.

"For the last twelve years we've been selling hatching eggs to Coombs & Son Poultry Farm at Sedgwick," Albert said. "Records from the hatchery show 5.2% of the eggs were infertile. Hatches for the ten months eggs were sold averaged 87.5%." Both the high production and the high hatchability is a great tribute to the quality and condition of the birds and to the exceptional management the birds received.

"Our 1950 spring brood of 480 sexed pullets was started April 20. At four months, ten days, we found the first pullet egg," Albert con-

tinued. "At five months they were in 30% production. The males are from inbred parent stock furnished us by Coombs & Son. They are cross-mated with special unrelated strains of White Leghorns.

Equipment used and plan of management followed are of a type available generally throughout Kansas. Except for broilers raised as a 4-H Project by their 13 year old son, Eugene, chicks are brooded just once, and under one hover in a 12' x 16' room. They use two range shelters and move pullets out as soon after they are six weeks old



Equipment is good, but of a type most any Kansas farmer could provide. Twelve years of daily egg records have convinced the Gruenbackers of the importance of poultry.

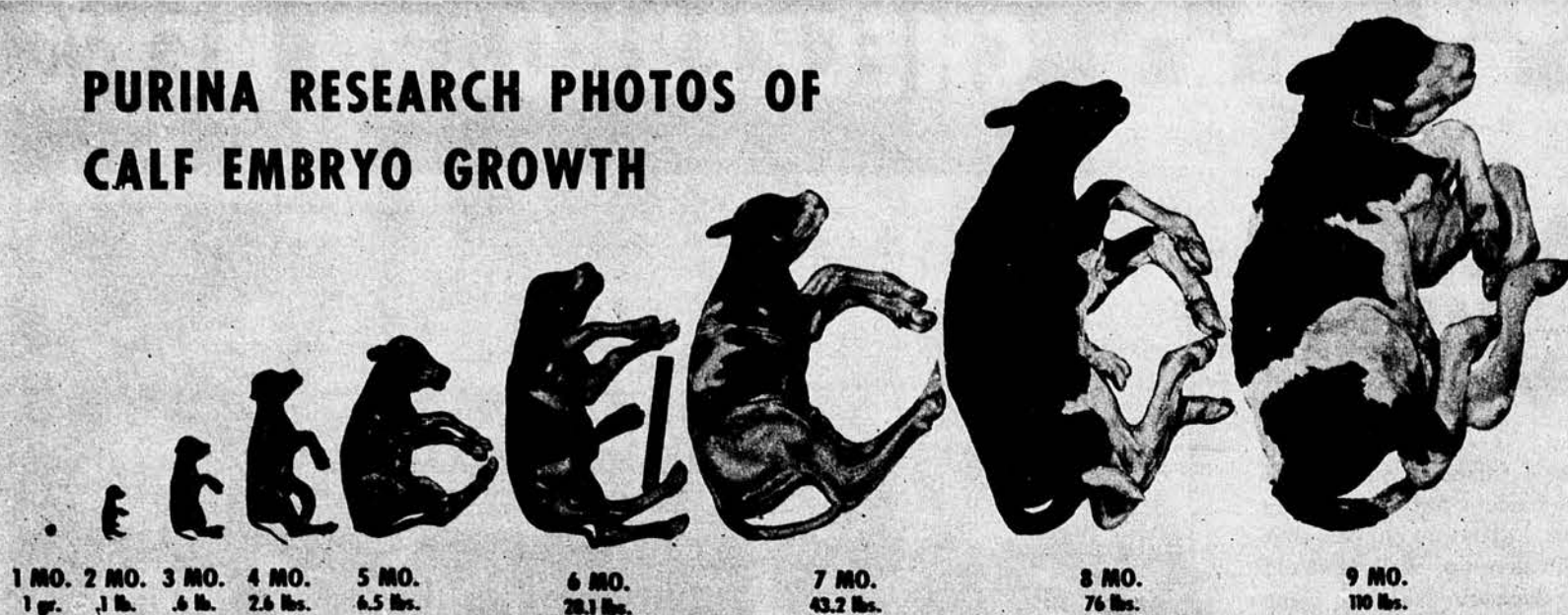
Special inbred red hens are mated with special production bred males. The resulting hybrid chicks are in great demand through the hatchery that buys these eggs.

as weather conditions permit. At 12 weeks they vaccinate for pox and Newcastle disease.

The Gruenbackers are especially proud of the health record of their flock. In ten years of blood testing they have never found a pullorum reactor.

Their practice in feeding is to fill the hoppers each morning, putting out only the amount of Breeder Lay Chow they expect the birds to eat that day. At noon they feed Breeder Checkers. In the evening they feed a scratch grain mixture, feeding so the birds will leave just a little bit as they go to roost. From November 1, until June 1, lights are used to give the birds a 13-14 hour feeding and working day. Through the summer lights are kept turned on all night long.

PURINA RESEARCH PHOTOS OF CALF EMBRYO GROWTH



Calf Embryo Study Shows WHY COWS BREAK DOWN

Purina Research has just completed a study of calf embryo growth. Heifers at every stage of gestation from one month to nine months were slaughtered. The embryos were removed and carefully weighed and photographed.

Picture at right shows how the developing embryo lies in the mother's uterus or womb and is fed by her own blood stream. Those above show the constant growth of the unborn calf.

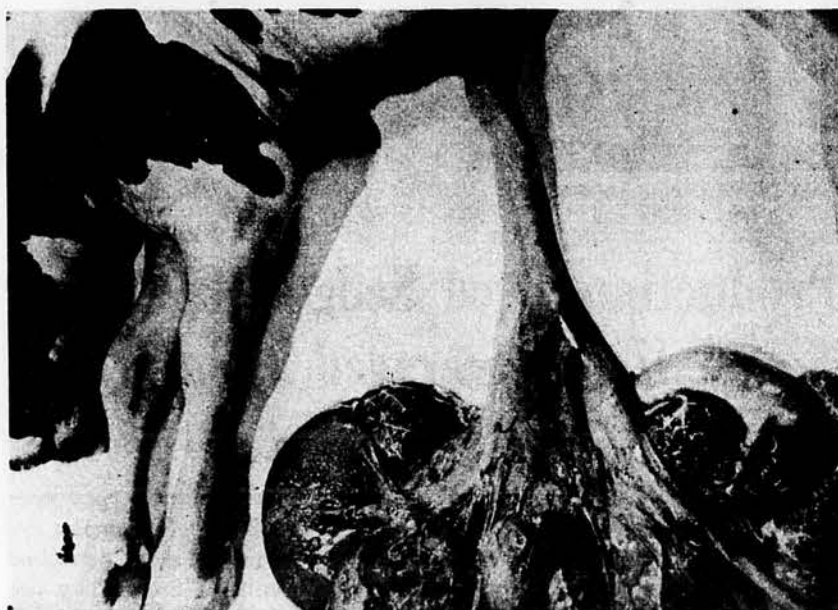
Such rapid growth of bone, flesh, blood and hide calls for a tremendous lot of food. Mother Nature's first law is reproduction of the species. So the calf embryo gets first call on necessary feed nutrients to keep alive and growing.

Milk gets second call. The cow will cut back on milk as the calf embryo's need builds up—unless she gets the full amount in her ration.

The cow's body gets last consideration by Mother Nature. If the cow's daily feed does not supply all needs for embryo, milk and body, she takes for her body just enough to keep living and moving. Indeed, when there is a shortage of nutrients, she actually robs her own bones, meat and even her blood to feed the developing embryo and make some milk.

The end result is a broken-down cow. Is it any wonder that the average cow in U. S. herds goes to the butcher before she has finished her third milking period? And what a waste of the dairyman's money this is!

Because we believe that *long life* is just as necessary as *good production*, our Research Farm studies are directed toward supplying the cow with *all* the nutrients she needs for the three big jobs—calf embryo . . . heavy milk flow . . . good body



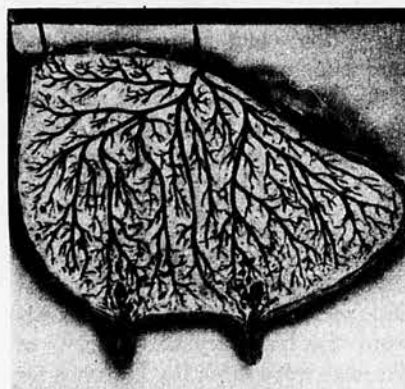
Here the wall of the uterus was cut and the calf lifted out to show the cotyledons or "buttons" that attach to the inner lining of the uterus. These buttons are the connectors that take blood from the mother and send it through the navel cord to the calf. This vital blood is laden with proteins, minerals, vitamins, fats, etc. Thus the embryo is fed. Every bit of food it gets for growth must come in this way.

condition. These studies have led to many improvements in Purina Cow Chow Concentrate and Purina Milk Chow for cows in production.

They also led to the development of the country's first dry cow ration, Purina D & F Chow or Bulky Las and oats. Either of these dry cow rations helps protect the cow's body by building back condition during the dry period.

See These Pictures in Color

Purina Research has prepared a film showing forty pictures of calf embryo development in full natural color. Your Purina Dealer will have a free showing some time this fall. Ask him when. He'll be glad to have you.



During the first seven months of the embryo's growth, the cow normally is in milk. Milk is made in the udder from nutrients carried to it by the blood. Together the embryo and the milk take more nutrients than a steer would require to gain seven to eight pounds a day. That is why the cow's body gets slighted and run down—unless the feed is absolutely right.

Is Your
Hourly Wage
11¢—or \$2.40



By E. B. "Tiny" PRATT,
Manager, Purina Dairy Chows

If you are like most dairymen you work 12 to 15 hours a day seven days each week. But do you dare charge up your labor at an hourly rate, like skilled labor in other lines would do?

The "fun" in dairying soon turns sour unless there's money in it, too. And why shouldn't a dairyman get a fair rate of pay for his work?

According to a survey of DHIA records on more than 20,000 cows conducted in a Midwestern state they found some cows returning 10 to 20 times as much for each hour of labor as others in the same herd. For example, they found the average cow producing 4000 lbs. of milk per year returned only 11 cents for every hour of labor. Cows producing 12,000 lbs. of milk were returning \$2.40 per hour of labor.

A cow capable of producing only 4000 lbs. of milk and paying you only 11 cents an hour has no business in your herd, but lots of cows yielding 4000 lbs. are held back by poor care or feed or management. For every dairyman who wastes feed by feeding too much there are probably ten who fail to feed enough.

Pasture has lost a lot of the punch it carried a month or so ago, but it's just as necessary to get roughage into your cows today as it was then. Dairymen who have tried feeding Bulky Las like the way cows respond, even on good pasture. In addition to supplying some extra body feed, the cows fed a gallon of Bulky Las night and morning seem to make better use of all their feed.

If you hope to keep your hourly rate of pay high, you must keep your cows in top condition for production at all seasons.

New Purina "Boosters" Now Help Runts Become Thrifty Pigs

Purina Research and field-tested products contain antibiotic supplement, vitamins, minerals.

Two highly palatable new products, Purina Pig Startena and Pig-Plus, are backed by Purina Research knowledge and tests. They now help hog men save many runts by providing a big nutritional boost.

Hog raisers no longer need to kill all slow-growing pigs, or lose money trying to make thrifty hogs of them. These nutritional boosters help many poor-doing pigs on the road to fast, profitable gains . . . and in only about two weeks' time. They are effective in helping older hogs that have hit a slump, too.

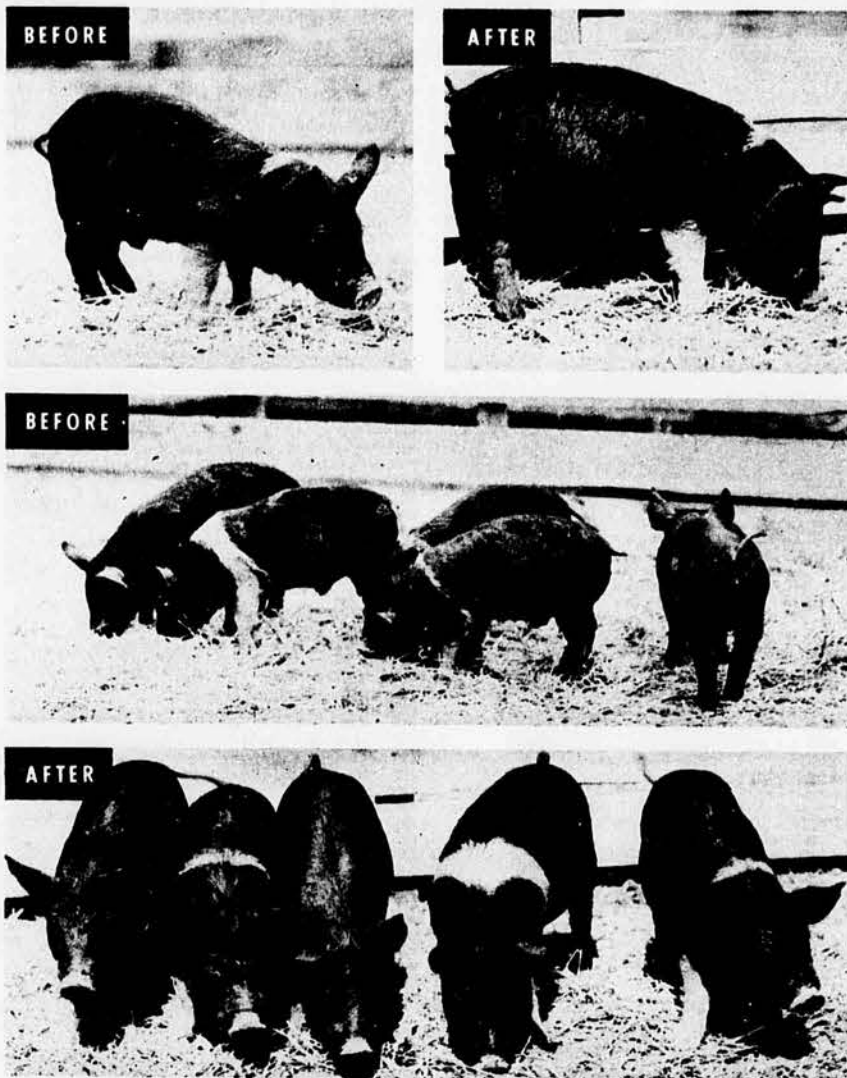
Used as directed, Purina Pig Startena and Pig-Plus stimulate appetites and growth. They are built to help:

- poor-doing pigs snap out of it
- pep pigs up after disease
- wean pigs without a setback
- start feeder pigs fast.

Pig-Startena and Pig-Plus contain extra-large amounts of these proved pig-boosters:

| WHAT THEY ARE | WHAT THEY DO |
|----------------------------|---|
| Vitamins | |
| B ₁₂ | Growth and efficient use of feed |
| Thiamine..... | Growth and carbohydrate metabolism |
| Riboflavin..... | Growth and oxidation metabolism |
| Niacin..... | Growth and control of nutritional enteritis |
| Pantothenic Acid..... | Growth and helps prevent enteritis goose-stepping |
| Choline..... | Growth and fat metabolism |
| Vitamin A..... | Growth and general well-being |
| Minerals | |
| Iron and Copper..... | Blood formation |
| Manganese..... | Growth |
| Cobalt..... | Blood formation and growth |
| Antibiotic Supplement..... | Growth and appetite stimulant. Also may help in control of other than nutritional types of enteritis. |
| Fish Solubles..... | Additional growth factors. |

PURINA PIG STARTENA is a complete creep feed. Poor-doers may be separated, or it may be



Results of Recent 14-Day Pig-Plus Test on Indiana Farm

Johnnie Henderson, R. R. 1, Kempton, Ind., had 5 runts out of 296 pigs saved this spring. They were wormed and sprayed and put on Pig-Plus for just 14 days. Pig-Plus was mixed at 2% of the total ration. Pictures above show a typical individual before and after Pig-Plus was fed, and

the difference in appearance of the group. Johnnie says, "I estimate these pigs gained over a pound per day each. And that's a big gain on pigs this age. I never saw such a change in such a short time. They're ever so much more alert and active. They've filled out and have an excellent appetite."

fed to the whole bunch. Pigs go for it.

PURINA PIG-PLUS is a concentrate. Simply mix into your complete ration at a 2% level. Research and field tests indicate that it costs only 4 to 6 cents per pig per day for the Pig-Plus portion of the total

ration for the 14 days it is fed. Take advantage of these new research discoveries to help you market more profitable pigs from your litters.

Be sure to follow feeding directions carefully. Your Purina dealer can give you complete information about these products.

What About These Runt Boosters?



by CARY BANKHEAD
Manager, Livestock Chows

During the past year, you've been hearing a lot about pig growth promoters . . . runt boosters. These new developments in hog nutrition make big news. And with good reason—they're a real boon to hog men.

At a meeting not long ago, hog raisers asked me some questions about Purina's runt boosters—Pig Startena and Pig-Plus. You might be interested.

"If I'm a Purina Program feeder and feeding Chows supposedly containing enough of the right ingredients for big gains, why would I need a booster ration?" Purina Sow & Pig and Hog Chow contain enough nutritional factors for normal, healthy pigs. Hogs in a slump are hardly normal and can use a booster feed for a short time.

"Will Pig Startena or Pig-Plus harm hogs that aren't runty or in a slump?" No! If space is short and runts can't be separated, feed 'em all together.

"How long should I feed a pig booster?" I'd feed about 2 weeks or until there are obvious signs of improvement.

Understand that normal, healthy pigs fed and managed properly shouldn't need a booster ration. However, don't hesitate to try Pig Startena or Pig-Plus if slumps show up. Give the entire Purina Hog Program an opportunity to show you that Purina Chows supply proper levels of growth vitamins, minerals and proteins for normal healthy pigs.

PURINA OFFERS

FREE BOOKS OF THE MONTH

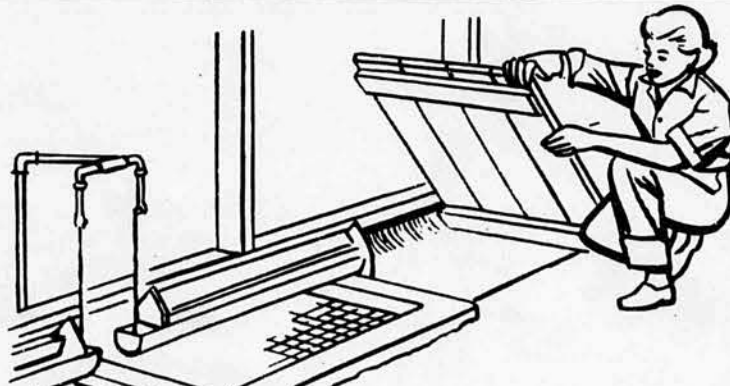
An X in the box opposite the book you'd like will bring it to you FREE OF COST! Mail coupon to: Ralston Purina Company, St. Louis 2, Mo.

☐ **YOU MAY LOSE PIGS YOU NEVER EVEN SEE!** Purina Research book shows first complete study of embryo pig development inside the sow. Full-color photos! Packed with helpful information.
\$4305

☐ **IS YOUR DAIRY HERD GIVING THE MILK IT SHOULD?** Send for Purina Dairy Book jam-packed with helpful hints plus color pictures to help you do a top job.
\$3200

Name.....
Address.....
City.....
Zone or RFD..... State.....

FARM HANDIES



Drainage for Overflow

Goleta, Calif. At Doremus Farm, concrete drainage ditches on the outside of two broiler houses became inside assets when the build-

ings were joined by a center section.

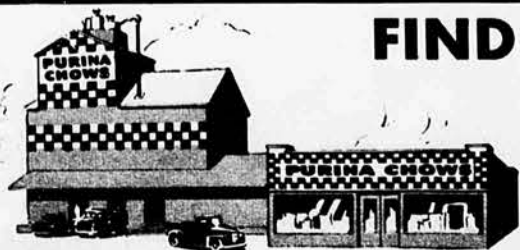
Automatic water troughs were installed on wire-covered platforms placed over the ditches. Now overflow from the waterers is drained off by the concrete ditches.

CUSTOM MIX MIKE SEZ:



SINCE SMALL GRAINS NOW ARE HARVESTED, YOU'LL WANT TO FIND A PLAN TO TURN 'EM INTO MEAT, MILK, EGGS AS CHEAPLY AS YOU CAN.

OUR GOOD PURINA CONCENTRATES MIXED RIGHT WITH YOUR GROUND GRAIN CAN HELP PRODUCE MORE MILK AND EGGS AND CHEAPER POUNDS OF GAIN!



FIND YOUR PURINA DEALER LISTED HERE

Be sure to see the pullet-growing demonstration now being run in most dealers' stores. See how well-bred pullets develop into big,

hearty layers on good growing feed. See how little it costs to raise good pullets right. Ask your dealer about his Purina Pullet Derby.

Ask for Purina Chows, Sanitation and Farm Supplies at the Store with the Checkerboard Sign

KANSAS

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

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

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

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

5 6 7 8 9 10 11 12 1 4 16 AROUND THE CHECKERBOARD DIAL



Have you ever talked to a steer horn? Lots of folks do when they're interviewed by Ed Mason or some

of his associates on KXXX, Colby, Kansas. The roving mike is hidden in a steer horn, but it's no bum steer the boys from KXXX give folks.

Every day, Monday through Saturday, at 12:45 p.m., Purina brings you the markets over KXXX. In addition, Ed Mason travels throughout Kansas, Nebraska, Colorado and Oklahoma to bring listeners personal visits with folks that are in the business of farming and livestock raising.



Eldon Fawkes, Purina Feeding Advisor, discusses pullet growth and feathering of her New Hampshires with his key customer, Mrs. Fred Hamilton of Garnett.

HOME HANDIES



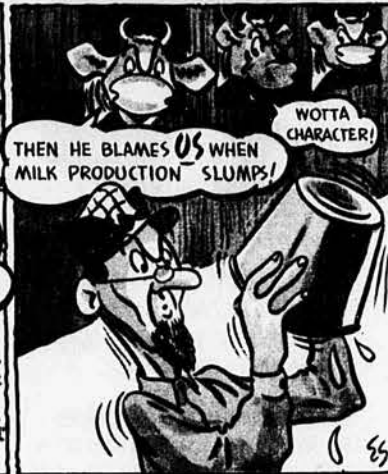
Here's a helpful idea from Mrs. Freeda Scragg of Huntington, W. Va.: A small magnet in your sewing box makes it easy to pick up loose needles.

Mrs. Edgar Miller of Logan, Kansas, suggests this "safety first" for scissors: Stick the points into a small cork before putting them into your sewing bag or box. Use the cork to "park" your thimble, too.

CALAMITY CAL



by ed smyth & bill sims...



Floods Must Be Stopped

(Continued from Page 6)

and provisions were included for the construction of local protection works, consisting of levees and improved channels at Salina. Without these protective structures, the intense rainfall over the uncontrolled Dry and Mulberry Creeks and the area below the Kanopolis Dam caused extensive flooding.

"However, prior to the overflow from these streams the 3-day rainfall at Salina of 9.1 inches overtaxed the sewer system and resulted in considerable flooding before the arrival of the flood crest from uncontrolled upstream areas. Operation of the reservoir shows beyond question that the flooding experienced at Salina would have been limited to local drainage problems if the levees and related flood-control works proposed by the Corps had been constructed."

The Army engineer's report then goes on to say that flow of the Smoky during the Salina flood period was reduced to one half what it would have been had the reservoir not been there.

Some folks at Salina point out that the flood crest might have been held down by the Kanopolis dam but that the city of Salina was flooded from July 12 to July 22, a period of 11 days. They feel that operation of the reservoir may have prolonged the flooding considerably.

Dams Alone Not Enough

The point we would like to bring out here is that everyone, including the engineers, agrees that dams alone are not enough.

Officers of the Kansas Soil Conservation and Flood Control Association recently met and now offer the following program of flood control as opposed to the big dams:

"Our studies have convinced us that a comprehensive upland reservoir system is the logical starting point, because it will:

"1. Control runoff from each drainage area by the draw-down principle.

"2. Control floodwater before it reaches the valley.

"3. Control rainfall where it occurs.

"4. Provide flood control for all areas.

"We further believe and recommend that adequate dike protection be given our cities as extra precaution, that channels thru cities be widened where needed, and that nonresident zone areas be established in the rural flood areas."

To uphold their views, members of this group point to the success of this type of flood control in Ohio and Oklahoma. There is some evidence to show that a complete soil conservation and retention dam plan did work satisfac-

torily in one Kansas county during the critical flood period. However, this project involved only a small area and there might be obstacles that would prevent it from being completely successful on a state-wide basis. *Kansas Farmer* hopes to give you a complete report later on how this one project did operate to prevent flooding.

But the arguments rage on. Soil-conservation enthusiasts point out that big dams do not save soil, they just catch water, and someday will fill up with silt, and then where are we? Engineers counter that soil conservation saves farms but engineers save river valleys.

Somewhere in all this conflicting thought there must be a flood-control program for Kansas—probably a combination of the 2 basic ideas. We hope you will study the maps and other information in this story, read and weigh the arguments of both sides wherever you find them, and then use your influence to help shape a flood-control program you believe will be best for all of Kansas.

Kansans Enter 1951 Duroc Contest

Twenty-two Kansans have entered the official 1951 National Duroc Ton Litter Contest. The contest is a means of officially testing the growth ability of a litter until market age. To qualify as an official ton litter of the Duroc breed, a litter must weigh 2,000 pounds or more at 180 days of age. The contest is opened to all purebred Duroc litters sired by a registered Duroc boar, farrowed between January 1 and April 30.

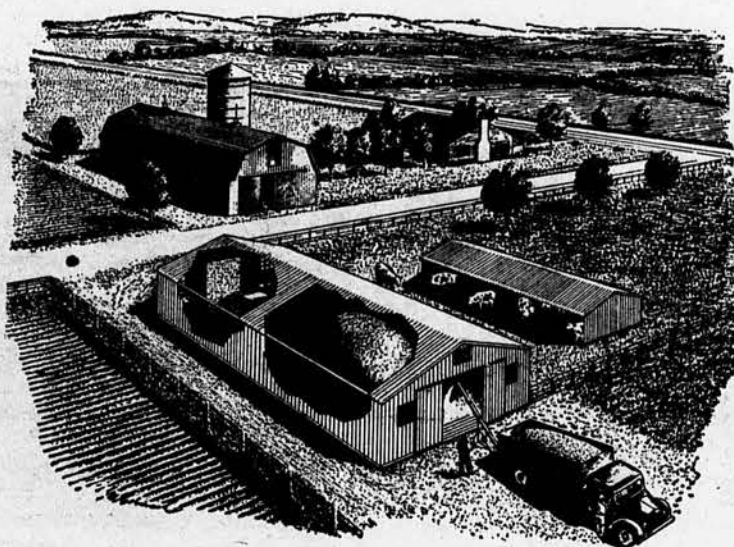
These Kansans have entered the 1951 contest: Lyle E. Beardslee, Lebanon; Ronald Bellows, David Berndt, Mary Ann Birch, Glasco; Larry Bleier, Ralph J. Martin, Seaman FFA, Gary W. King, Topeka; Robert L. Chance, North Topeka; Wesley Boll, Ames; Crosson Farm, Minneapolis; Sidney C. Johnson and Son, Allen Peters, Jamestown; Kerschen Brothers, Goddard; Don Krotz, Cuba; Billy Lowe, Willis; W. W. Matlock, Burrton; Gale Melton, Manchester; Petracek and Kraft, Jennings; A. C. Rose and Sons, Agra; Ronald Squire, Syracuse, and Leonne Worcester, Hill City.

Kansas Income

Kansas ranked 7th among all states in income from total farm marketings in 1950, with a total of \$1,008,140,000.

Estimated government payments to Kansas farmers in 1950 amounted to \$7,350,000.

For Extra Value in Farm Buildings



Buy Many-Purpose*, Durable BUTLER Steel Buildings

For new, safe, economical farm shelter, enjoy these advantages of Butler Buildings: (1) fire-safe (low insurance rates); (2) fully adaptable to fit all farm needs; (3) vermin and rodent proof; (4) sturdy, long-life, bolted construction; (5) wind resistant; (6) easily, quickly erected (save on labor costs); (7) permanent, yet easy to dismantle and move; (8) no upkeep expense; (9) easily insulated, and at low cost.

*Use Butler Buildings for grain storage and implement shelter, by putting in a partition. Or, after you market your grain, convert Butler Buildings to implement shelter, hay, feed or seed storage, barn, milk house, workshop, cattle shelter, many other purposes.

Put Butler Buildings to work twelve months out of the year!

Straight sidewalks . . . Use all the space you pay for.



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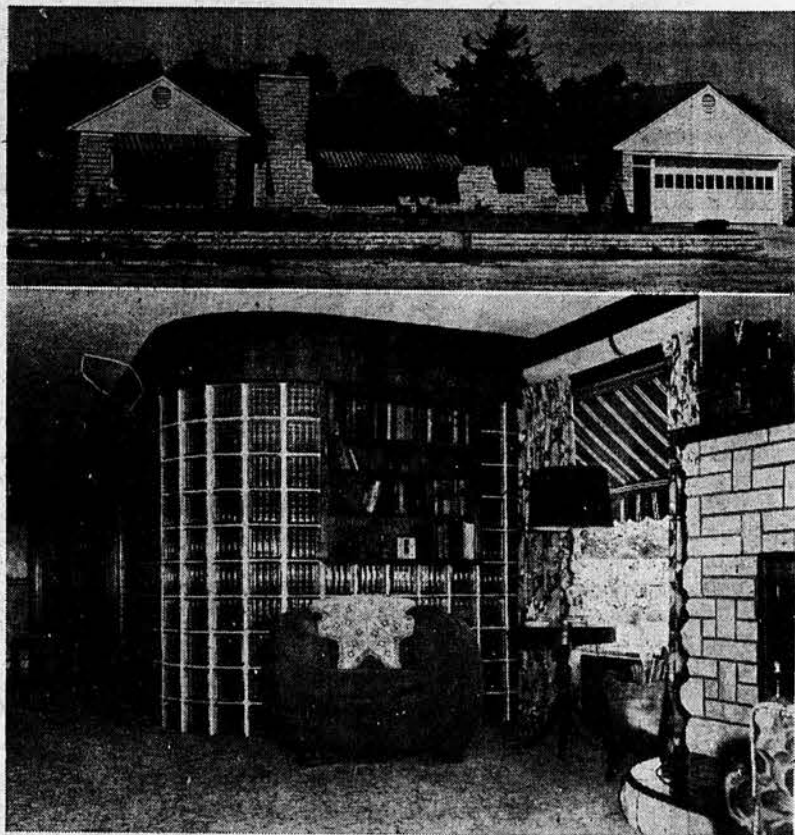
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are still **THE BEST BUY**

Invest in Your Future

Beauty and Comfort Combined



THIS BEAUTIFUL farm home is the new residence of Mr. and Mrs. Glenn Towne, Osborne county. It has full basement, double fireplace and large recreation room. Glass blocks and wood paneling were used to make this unusual and attractive partition. Inside glass block area is Mr. Towne's farm office. From it he can see all major buildings on farmstead.

Midwest has so many Features

THE MIDWEST POWER PLUS Hydraulic Loader

Rugged and Durable made for Fast, Powerful Lifting
FULLY GUARANTEED

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Designed by Farm Implement Engineers and Farm Tested. ALL STEEL CONSTRUCTION, comes complete. Operates from Tractor Hydraulic System. Pumps Available if required. Ready to install.

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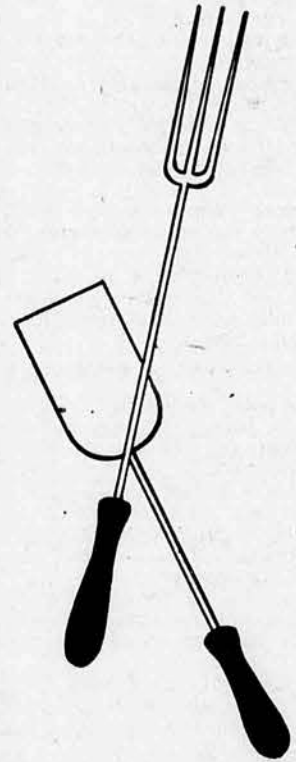
MAQUOKETA COMPANY • Clinton, Iowa

Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



START PICNIC BURGERS and while they send out mouth-watering aroma, lay open big buns and have onion slices handy.



LET'S EAT OUT

Half the fun of eatin' out
And trampin' here and there
Is buildin' up your appetite
Till you're hungry as a bear.

WARM summer breezes call us out-of-doors into back yard, parks and playgrounds. Let your whole family answer that call with a picnic supper any evening. Take along good picnic food such as hearty picnic burgers, potato salad, pickles, radishes and celery for munching. Big, thick buns are best for burgers. Shape the beef in advance into patties, separate each with waxed paper if you're going farther than the back yard and chill until time to leave. Include a tall pitcher of milk, a jug of coffee and plenty of cookies for an easy dessert.

If a built-in grill is not available at your picnic grounds, an oven rack from a discarded stove may be a perfect substitute when laid across several rocks. Grills may be purchased in many stores these days at a modest sum. In fact, picnic equipment of all kinds may be found, long wooden-handled forks, plastic dishes, long wire-handled hamburger fryers, baskets of all shapes and sizes, ready-assembled metal grills for all sorts of cooking... and none too expensive.

Start the picnic burgers sizzling. While they send out their mouth-watering aroma, slice

open big buns, lay out thick onion slices and have catsup and mustard handy.

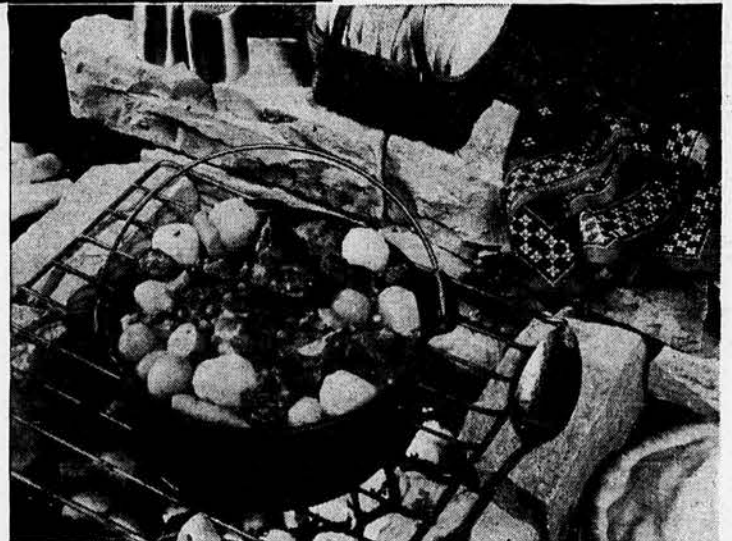
Beef Stew Outdoors

Here's a "he-man" dish for those outdoor appetites. Partially cook a beef stew at home and carry it to the picnic spot, add vegetables and simmer over open fire.

Before leaving home cut 2 pounds of beef chuck, flank, neck or other beef of pot-roast type cut into 1½-inch to 2-inch cubes. Dredge cubes with flour and brown in hot fat. Season with salt and pepper, cover with water and simmer about an hour. After you go to the picnic, add 6 small peeled potatoes, 6 small carrots and 6 small onions. Simmer over open fire until done. It will take about 45 minutes.

Saturday Night Special

Most folks are all for doing things the easy way when making picnic plans. And what's easier than frankfurters. They're easy on the pocketbook, too. Frankfurters go with mustard and they go with chili sauce. Both may come



BEEF STEW OUTDOORS is a "he-man" dish for those outdoor appetites. It's partially cooked at home, then finished at the picnic.

right off the grocer's shelf. But a mighty good barbecue sauce may be made at home. Here's how.

Barbecue Sauce

| | |
|------------------------------------|-------------------------|
| 2 medium onions, chopped | ¾ cup catsup |
| 2 tablespoons vinegar | 1 teaspoon chili powder |
| 2 tablespoons Worcestershire sauce | ¾ cup water |
| | 1 tablespoon salt |

Mix together all the ingredients in a heavy skillet, cover and simmer for about 45 minutes. Makes 1 pint.

Now for the frankfurters. Boil in a big kettle of water, drop in the franks, cover and set aside off the fire for 7 to 8 minutes. Serve potato salad, relishes, milk and coffee. Then how about toasted marshmallows and fresh, ready-to-eat fruit in season for dessert. Bananas and oranges are good every [Continued on Page 25]

They Help One Another

Farm Women Sew for Flood Victims



AT THE CUTTING TABLE, left to right, are Marilyn and Norma Lee Brown, Mrs. Walter Buchanan, Mrs. Charles Everett, Jessie Blood, all of Wakarusa.

FLOODWATERS had not yet receded when Shawnee county rural women had completed plans to help rehabilitate their less fortunate neighbors. Under guidance of Mrs. Mary Ziegler, home demonstration agent, unit members and other women in the communities, met to make clothing and household articles.

South of Topeka in a less flooded section, the Wakarusa home demonstration unit met at the community house. Sewing machines hummed and only a few looked up from their work. In the southwest section of the county, Auburn unit members were doing the same. Both were special meetings. Both groups collected used clothing and bedding in their townships and brought huge piles of fresh, bright feed sacks to the sewing center. They provided all accessories including trimming, thread and buttons.

Women were busy pressing, cutting out dresses, shorts, slips, blouses, dish-towels and men's shorts. Some were mending used clothing, both for men and women. A group of young women interested in textile painting were giving bright touches to dish-towels and pillow cases.

At Wakarusa, Mrs. Philip Cazier was directing the work, and at Auburn, Mrs. James Whitten. The majority of garments were being cut and made from feed sacks at both centers. At the former, the women served a covered-dish lunch and at Auburn a sack lunch. If they do not get enough accomplished in a one-day session, they plan to return until they complete all the garments.

Marilyn and Norma Lee Brown, both 4-H blue-ribbon winners in clothing, were as busy as their elders and just as competent. Both are members of the Wakarusa 4-H Club. Other Wakarusa women rapidly turning out garments were Mrs. Walter Buchanan, president; Mrs. Charles Everett, Jessie Blood, Mrs. Bliss Jernigan, Mrs. Vernon Casebeer, Mrs. N. M. Foltz, Mrs. Francis Perry, Mrs. Earl Barngrover, Mrs. Vernon Buchanan, Mrs. W. B. Perry, Mrs.

Gilbert Pringle, Mrs. Rex Stroh and Mrs. Harry Robb.

Young women busy with textile paints were Mrs. Russel Maine, Dorinda Maine and Doris Cazier.

Auburn women met at the high school. Among those busy at work were Mrs. Clinton Henderson, Mrs. Richard Henderson, Mrs. Carl Birtell, Mrs. Porter Bundy, president of the Auburn unit; Mrs. Clarence Shane, Mrs. Lloyd Cole, Mrs. James Whitten, leader, and Mrs. Walter Birtell. Luckily, others were expected to arrive later, for there were mountains of clothing to be worked up into usable garments.

Mrs. Ziegler plans to turn the garments over to demonstration units in flooded sections of the county to be distributed where most needed. Many Shawnee county farm women were forced to move from their homes and they can be assured they have not been forgotten by their fellow Extension friends.

Please Order Early

We still have a supply of USDA bulletin, "Home Canning of Fruits and Vegetables." Information is reliable and illustrations are most helpful. Please address Bulletin Service, Kansas Farmer, Topeka, for your free copy.

Tasty Tender Liver

Liver is relatively inexpensive and more than ordinarily good in food value. Prices of pork liver are about one-fourth to one-third that of calves liver . . . this in spite of the fact that pork liver contains 4 times more iron than calves liver and 3 times as much as that of beef.

In cooking any fresh liver, remember that short time cooking and low temperatures are the secrets of making it tender and tasty. Remove the heavy blood vessels before frying.



Betty Crocker

MAPLE NUT LOAF

Use only **GOLD MEDAL FLOUR**

Put together into bowl

2 1/2 cups sifted **GOLD MEDAL FLOUR**
1 cup sugar
3 tsp. double-action baking powder
1/2 tsp. salt

Add..... 1 egg, well beaten
1 cup milk
3/4 tsp. maple flavoring

Mix liquid with dry ingredients only until dry ingredients are moistened.

Stir in..... 1 cup coarsely chopped nuts

Grease generously and dust with flour a loaf pan, 9 1/2 x 5 1/2 x 2 3/4-in. Pour in batter. Let stand 20 minutes before baking. Bake about 1 hour in moderate oven (350°).

NOTE: This nut loaf should be wrapped (after cooling) and stored for 24 hours before using in order to obtain thin even slices.

*If you use Gold Medal Self-Rising Flour, omit baking powder and salt.

"Betty Crocker" and "Kitchen-tested" are registered trademarks of General Mills, Inc.

For Wonderful Bread

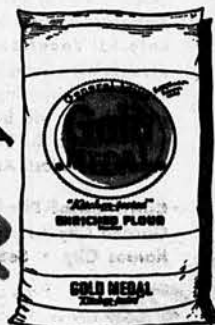
Use Betty Crocker's Bread Recipe with GOLD MEDAL FLOUR

You'll make light, full-volumed loaves of bread—easier and quicker—with Gold Medal Flour and Betty Crocker's bread recipe. Gold Medal is a modern bread flour with soft, mellow qualities which help make your dough easier to handle. Gold Medal may not work best with a recipe calling for a tougher, harsher flour. You'll find Betty Crocker's bread recipe in twenty-five pound or larger sacks of Gold Medal "Kitchen-tested" Enriched Flour.

YOU NEED ONLY ONE BRAND—

GOLD MEDAL FLOUR

For Breads...Biscuits...Pies...Cakes...Cookies



CUTTING DRESSES FROM FEED SACKS at Auburn are, left to right, Mrs. Clinton Henderson, Mrs. Richard Henderson, Mrs. Carl Birtell, Mrs. Porter Bundy and Nancy Henderson.

Lovely to Look at... So Wonderful to Own



13.1 cu. ft. BEN-HUR Holds up to 655 lbs.
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DON'T CAN 'EM, FREEZE 'EM!

All you do with your berries, fruits, vegetables is package, seal and put them in the Ben-Hur freezing compartment. They'll retain their garden-fresh flavor throughout the year. You avoid hours of canning labor.

See your Ben-Hur Freezer dealer today. He can prove to you how you save hundreds of dollars on food cost alone. Every Ben-Hur is R.O.P. tested—an extra guarantee for your satisfaction.

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You can be here enjoying your vacation instead of enroute...when you Fly Continental. Luxurious, pressurized 300 m.p.h. Convair-liners will whisk you and your family to your favorite beauty spot before you can say "Pike's Peak." Stretch your vacation days and dollars.

Send for the free brochure (plus a current time table), and plan a long, delightful Continental Vacation.

Continental Flights originate from almost everywhere in Kansas: Garden City • Hutchinson • Salina • Dodge City • Topeka • Wichita Kansas City • See your travel agent or nearest Continental office.

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Summer Into Fall

4578—Two charmers in one pattern, one round neckline, other square. Sizes 12 to 20. Size 16 takes 5 1/4 yards; 1/4 yard contrast 35-inch material.

4559—Easy-to-sew wrap-around dress with rickrack trim. Sizes 12 to 20 and size 40. Size 16 uses 4 3/4 yards; 1/2 yard contrasting 35-inch material.

4843—Three pieces for small fry! Sizes 2 to 10. Size 6 pinafore, 1 3/4 yards; 1 3/4 yards of eyelet trim; dress 1 3/4 yards; jacket 1 3/4 yards 35-inch material.

4514—Slenderizing dress with contrasting trim. Sizes 34 to 48. Size 36 takes 3 3/4 yards; 3/4 yard contrast 35-inch material.



4578
SIZES
12-20



4559
SIZES
12-20
40



4843
SIZES
2-10

4685—Junior Miss dress with huge side-entrance pockets. Sizes 11 to 17. Size 13 takes 3 3/4 yards 39-inch material.

9318—Slenderizing dress with slim-front gores. Sizes 34 to 50. Size 36 takes 4 3/4 yards 39-inch material.



4514
SIZES
34-48



4685
SIZES
11-17



9318
SIZES
34-50

| Pattern Numbers | Size | Name |
|-----------------|------|-------|
| | | Route |
| | | Town |
| | | State |

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

Let's Eat Out

(Continued from Page 22)

day in the year, but there are apples in their best season, grapes and pears, too, all ready to eat.

Very few picnics are complete without a game or two. Here's one that will please old and young alike . . . participants and onlookers. It's simply a calling contest. Send the judges down the road or across the field as far as the voices are likely to carry. Call the contestants up to the calling line and give them their instructions. They may call any kind of livestock they choose, but it must be the same for all. The idea is to see which contestant can call loudest. The variety of calls will cause plenty of laughter. And if prizes are provided for the winner, so much the better.

For young folks of several sizes and ages, try a game called "The Snake's Tail." This is great fun when there is plenty of open space. Line up players according to size, tallest heading the line and smallest forming the "tail."

Each child grasps the belt of the one in front of him and the tallest or "head" of the snake tries to catch the smallest or "tail." The others in between try to prevent it by turning and twisting and keeping in the way of the snake's head. If anyone lets go he is dropped from the game. Object of the play is to keep the leader from catching its tail.

Make It at Home

Little children like to handle modeling clay. The youngest ones like to feel it and later they learn to make small objects. Here's how to make modeling clay at home.

| | |
|----------------------------|-----------|
| 1 cup flour | water |
| ½ cup salt | vegetable |
| 1 tablespoon powdered alum | coloring |

Mix the flour, salt, alum, vegetable coloring with enough water to hold the ingredients together. When the clay is not in use, keep it in good condition in a covered tin container. When the surface becomes dry, knead in a little more water.

For a Slumber Party

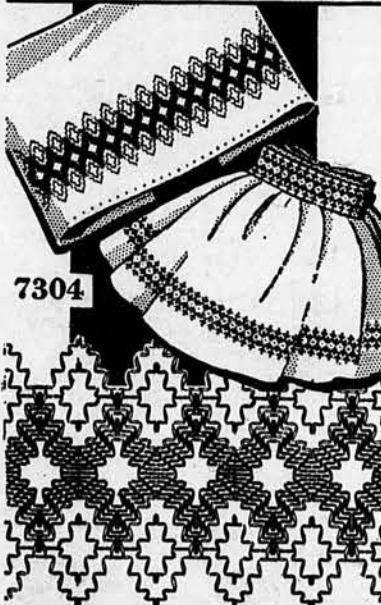
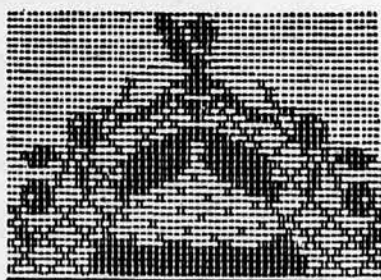
A new leaflet full of entertainment ideas for a slumber party has just been printed. There are 8 fun-provoking ideas for a hilarious party. Send 3c for postage to Entertainment Editor, Kansas Farmer, Topeka, and ask for a copy of the new leaflet, "A Slumber Party."

Eat It All

As it is with lettuce, so it is with celery . . . we place a high value on the white inside stalks and leaves and discard the best parts. To be thrifty and nutrition-wise, eat the outer yellowish-green leaves and stalks. In both vitamins A and C, outside leaves rate much higher.

Altho celery does not rate so high in nutritive value as many other vegetables, it can take a more important place if it is eaten raw and the colorful outside parts are eaten. Serve with sharp cheese for added flavor.

Weave on Huck



A fascinating new art-work . . . weaving on huck toweling. Appropriate for towels, scarfs, aprons, kitchen and bedroom curtains. Pattern 7304 includes directions for 3 designs.

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



LLOYD BURLINGHAM'S SKELGAS FARM REPORTER

Hold On to Neighbors

My friend Pete was pretty well disgusted. He had insisted on my going with him to see some cattle. And now we couldn't even find the farm. Not that we didn't ask directions. We asked everyone. But people either had never heard of a family which had been living in their township for fifteen years, or they hand us confusing road directions, proving they had never visited their neighbors.

Our difficulty came directly from the fact that old time country neighborliness is going out of style. Farm people do not know each other as they once did. And that's too bad. When you do not have many "good neighbors," you miss something very much worthwhile. Trouble is, with all the modern equipment on farms, we are not dependent on each other as we once were.

But we pay a big price for this new independence—if it loses us the satisfactions and friendships which come through neighborliness. However modern we become and however we streamline our living on farms, it pays to hold on to this value from the "good old days." Hold on to good neighbors.

Go Modern—Go Skelgas!



Trade in your old stove now!

Right now is a wonderful time to trade in your old stove for a cool-cooking new Skelgas Constellation Range!

Every feature means truly modern cooking! So clean-cooking to keep your kitchen spotless! So economical—thanks to new-type burners and super oven insulation! And such a choice of features to fit your own family needs! Be sure to see the Grid-Master Griddle that quickly converts to a "king-size" top burner . . . the famous Broil-Master meat oven . . . and the automatic time clock!

Visit your local Skelgas Dealer now! Go Modern—Go Skelgas!

SKELGAS Families' Favorite Recipes

MINT COOKIES

Sift 3 cups flour, 1 teaspoon soda and ½ teaspoon salt. Cream 1 cup butter (half shortening may be used) and gradually add 1 cup white sugar and ½ cup firmly packed brown sugar. Cream well. Blend in 2 unbeaten eggs, 2 tablespoons water and 1 teaspoon vanilla; beat well. Add dry ingredients; mix thoroughly. Cover and refrigerate 2 hours. For each cookie, enclose 1 chocolate mint wafer within about 1 tablespoon of the chilled dough. (This recipe requires one 9-ounce package of chocolate mint wafers.) Place the cookies about 2 inches apart on a greased baking sheet, top with a pecan or walnut half, and bake in a moderate oven, 375°F., for 10 to 12 minutes. Makes approximately 4½ dozen cookies.

Mrs. Ruth Engel
Vernon, Colorado

Your favorite recipe will win \$5 if it's published here. Please keep a copy for yourself. Just send your recipe to Dept. F-851.

Tax Refund Due You?

According to a recent federal ruling, farmers may claim a tax refund for the years 1948, 1949 and 1950 if they sold dairy and breeding animals that were held for "substantially their full period of usefulness." Such refunds are payable if you paid income taxes on the total gain you realized.

For your own protection, have an income tax man check into your tax returns before claiming a tax refund.

SEE YOUR FRIENDLY SKELGAS DEALER TODAY!



"Serves Anywhere...
Saves Everywhere"

SKELGAS DIVISION, SKELLY OIL COMPANY, P. O. Box 436, Kansas City, Missouri

Notes from the BEET SUGAR KITCHEN by Nancy Haven



Versatile Chili Sauce

That classic of all relishes with a tempting new flavor tang—saucy touch for meats, beans, mayonnaise and gravies.

- 10 lbs. (30 med.) red tomatoes
- 1 lb. (8 small) white onions
- 2 lbs. (8 med.) green peppers
- 1 (med.) apple
- 6 cups Beet Sugar
- 4 cups cider vinegar
- ¼ cup salt
- 1 tbsp. ground cinnamon
- 2 tsps. each ground allspice, cloves and nutmeg
- ½ tsp. cayenne

Scald, peel, core and quarter tomatoes; measure 21 cups. Peel and chop onions; measure 2½ cups. Core and dice peppers; measure 4½ cups. Peel, core and dice apple. Mix ingredients in kettle. Bring to rolling boil; simmer 3 hours or until quite thick, stirring occasionally. Remove from heat. Pour into hot, sterilized jars; seal. Makes about 8 pints.

FREE CANNING BOOKLET



"Answers By The Canning Doctor"
—56 pages on jelly-making, home-canning and freezing. Write today.

QUICKIE PEACH PIE.

Just before serving, pack baked pastry shell with sliced, sweetened, chilled peaches. Top with cream cheese, whipped; spicy custard sauce, whipped cream or ice cream.



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You'll Find a Real Welcome Here!

HINTS for House and Garden

- When making jam, keep it from sticking to bottom of kettle this easy way: First rub bottom of kettle with little salad oil. It will leave no "off taste" and will prevent scorching.
- Wear a thimble over your thumb when slicing or grating vegetables. Prevent nasty cuts.
- Remove rust spots from white linens by saturating spots with lemon juice. Cover with clean cloth and press with lukewarm iron.
- When you have lost the mate to a leather glove, use the leather to make bindings for button holes, cover buttons, edge sleeves or jackets.



"FASTER, CLEANER, COOLER" SAYS CONSTELLATION USER

My daughter and I both love to cook on our new Skelgas Constellation Range. It's so much faster, cleaner and cooler than our old stove. We find Skelgas is just wonderful for water heating and refrigeration too.

Mrs. Theresa Lappine
Rt. 488, North Kansas City, Missouri



NOW! READY-BUILT PRESDWOOD GARAGE

Precision-built with rugged Masonite Tempered Presdwood on strong wood framing. It's 12 feet wide by 20 feet long. You can make it longer with extra four-foot sections. With a helper you can assemble it completely in one day.

All outside surfaces of 3/16" Tempered Presdwood prime-painted. Curved design for greatest wind resistance. Rafter and studding one piece laminated. All sections accurately machined and pre-drilled for easy bolting and tight fit.

All types and sizes of farm buildings, including double garages. Write for information and prices today. Order now. Immediate delivery.

DEALERS WANTED
JUNCTION CITY MILL, INC.
Box 402 Junction City, Kansas

Besieged

A famous man of yore
Went out to stroll one day
And sat beneath a tree
Till an apple fell his way.
To appetite immune,
He wondered why it fell;
That's gravity, he mused,
It gave the final pull,
Remembering his fame,
And being fond of figures,
One day I tried the same . . .
And got one million chiggers!

—By Chester Alexander.

The A B C of Crochet

Never crocheted before? A leaflet shows you how. Send 3c to Home Editor, Kansas Farmer, Topeka. Ask for ABC of Crochet.

We Announce . . .

Fourth Library Award

By FLORENCE McKINNEY

IN PREVIOUS issues of Kansas Farmer we announced the first 3 award winners of our story-writing library book contest which began last winter. Here we tell the story of Gordon K. Parr who is one of the 4 honorable mention award winners. Gordon received a \$5 cash award for himself and he won \$25 in books for his rural-school library.

Gordon, the son of Mr. and Mrs. Rufus Parr, has now graduated from the 8th grade of the West Point school, near Pierceville in Finney county. There were 14 pupils in his school, 4 of them in the 8th grade. He recently won second in a fire prevention poster contest, received a perfect grade in the rural school spelling meet and took part in the Finney county track meet. He has 2 brothers and 2 sisters and lives on an 800-acre wheat farm.

Mrs. Merle L. Warren, the teacher at West Point School, writes us Gordon is very active in his 4-H Club, his church and all community activities. Here is his prize-winning story:

Why I Like to Live on a Farm

Living on the farm is becoming more and more a greater privilege to me. Many cannot realize just how fortunate a farm lad is.

The farm is a very healthful place to live. We have no carbon monoxide smoke and soot coming from autos, factories and trucks to fill and choke our lungs, but we can breath fresh, pure, clean air. We like the crisp, fresh, vitamin-filled vegetables from our own garden; tree-ripened, juicy, sweet fruit from our orchards. An abundance of pure, fresh milk from tested cows, plenty of meat from well-fed farm animals, bread and cereal fresh from ripening fields and clear, cool water from tested wells assure us of an abundant, well-balanced diet. Here, too, we can have full benefit of long, sunshiny days while at work and play, thus developing our bodies. Where else could a boy be better favored.

Beauty surrounds the farm boy and girl on every side. Golden wheat fields, green, velvety pastures, pinkish orchards, brilliantly hued flowers, fluffy chicks, crowing roosters, cackling hens, fat rolling puppies, wobbly calves, long-legged colts, squealy pigs, dazzling snow, rainbow hues, brilliant sunsets and sunrises, still starry nights, destructive winds, hail and sleet and softly falling rain appeal to our senses. Doesn't the city boy or girl miss a lot?

I believe I have a better financial start because I live on the farm. Thru home and 4-H training I have learned to save and spend money wisely. My prize money earned at 4-H and county fairs, and money from my projects, has given me a nest egg for future investments. Someday I hope to own a farm.

Citizenship and community activities are encouraged on the farm. I think farm boys and girls are closer to their families and homes by sharing responsibilities and privileges of home life and farm chores. We learn to become accustomed to duties and guidance. Family discussions and 4-H meetings help us become independent, thoughtful citizens. Someone has said,

*He who plants a seed,
Then pushes clods aside,
And waits to watch it grow,
Believes in God.*



GORDON K. PARR, of Pierceville, wins one of 4 honorable-mention awards in our library story-writing contest.

On the farm I feel closer to God. Here I see examples of His creations. Watching seeds sprout, grow, bloom and seed, animals multiply, tilling the clean, sweet-smelling earth are experiences I like.

The farm has given me precious gifts of health, beauty, financial reward, citizenship, kinship with God and a deep satisfaction of well-being. Each is a great gift and for each I say, "Thanks, I Like to Live on a Farm."

—By Gordon K. Parr,
Pierceville.

Flooded Food

Destroy or Not Destroy

FLOODWATERS carry refuse from sewage systems, backed-up sewage, barnyard filth. Farm folks who have suffered during the recent devastating floods can help prevent typhoid and other dangerous diseases.

It has now been recommended by some authorities that home canned food, once submerged in floodwater, may be saved if certain precautions are taken. First, washing is advised. Wash the jars of food, fruit, meat and vegetables with thick hot suds. Use plenty of soap. Set jars aside to see if any leaks may be seen. If not, the food may be put back on the shelves for future use. But there is a special caution. Every jar of the food should be cooked 10 minutes before eating.

That has been the standing rule for vegetables and meat . . . now it includes the fruit as well. Discard the jars if leaks appear.

Destroy tin cans of food if the tops bulge or indicate they leak. To further disinfect jars and cans of food, immerse in chlorine solution. If there is any question concerning other sterilizing solutions, it is recommended that you call your local county health officer for detailed instructions.

It is advisable to discard all jars of jelly and other similar foods.

Be wise: CAN with CANE

western women
favor



Your fine canned fruit deserves it!

RED STAR
Special Active
DRY YEAST
IS FASTER
DISSOLVING



QUICK METHOD BREAD

3 packages Red Star Special Active Dry Yeast
1/2 cup warm water
1/2 cup sugar

5 teaspoons salt
3 1/2 cups lukewarm water
11 1/2 cups sifted flour
5 tablespoons shortening

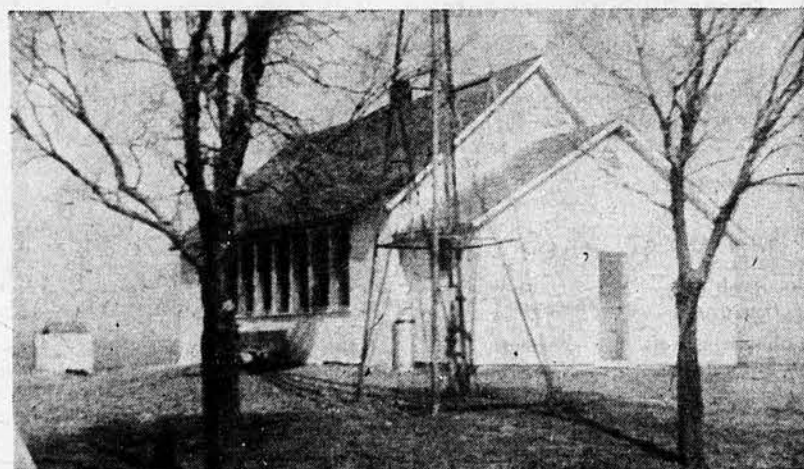
Dissolve 3 packages Red Star Special Active Dry Yeast in 1/2 cup warm water. Let stand 2 to 3 minutes. Place 1/2 cup sugar, salt and 3 1/2 cups water in a large bowl. Stir yeast solution thoroughly and add to this mixture. Add half the flour and beat well. Add melted and cooled shortening, stirring vigorously. Add remainder of flour, board and knead 5 to 7 minutes. Place dough on lightly floured ball and place in greased bowl. Brush top lightly with oil. Punch dough down; shape into loaves and place in greased pans. Brush tops of loaves lightly with shortening. Cover and let rise in warm place for 45 minutes. Bake in moderately hot oven (400° F.) for 30 minutes. Makes 4 loaves.

KEEPS FRESH
FOR MONTHS
WITHOUT
REFRIGERATION

MAKES ANY RECIPE
TASTE BETTER



Yes, here are 3 of the many reasons why you should use Red Star Special Active Dry Yeast. Get acquainted with Red Star . . . try this tested recipe today. You will agree that Red Star Dry Yeast saves kitchen time in any recipe.



WEST POINT RURAL SCHOOL DISTRICT NO. 85 in Finney county, near Pierceville, which Gordon attended 8 years.

**BRAND
NEW!****CHEER**Procter & Gamble's
GRAND NEW
washday
marvel!

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

No doubt about it, new CHEER beats *any* soap you can buy! Lots of laundry soaps do a pretty good job, but CHEER does what it guarantees—it *does* get clothes cleaner and whiter than *any* soap you've ever used. Try new CHEER once, and prove it yourself at every washing step.



Next washday you be the judge!

**1. Prove CHEER's guarantee—
in your washing machine!**

Watch new CHEER spring into thick, long-lasting suds even in hardest water. See new CHEER get out toughest, greasiest dirt. No water softener needed with new CHEER.

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

When you rinse and wring out CHEER-washed clothes, you'll see gleaming whiteness, and without bluing, bleaching! New CHEER is safe for washable colors, kind to hands.

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

Clothes iron *snowy-white*, CHEER leaves no soap film to yellow under the iron's heat! Clothes come out cleaner, whiter than any soap will get them—or your money back!



P. S. Wonderful for NO-RINSE washing, too!

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

Get CHEER in the convenient Giant Economy Size package



© 1951, The Procter & Gamble Company

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

CHEER is the trade-mark of a special all-purpose detergent made by PROCTER & GAMBLE.

Time to Talk About Next Year's Needs!



Take Advantage of your Mobilgas-Mobiloil Man's SPECIAL FUTURE ORDER PLAN!



Call in Your Mobilgas-
Mobiloil Man!



There is one way you can be assured of your 1952 farm lubrication needs. That's to act now! After considering your requirements carefully, place your order today! Of course, you do not take delivery till later.

What's more, you will like the benefits you get from this Mobiloil and Mobilgrease 1952 Future Order Plan. Ask your Mobilgas-Mobiloil Man to explain all about it.

MOBIL OIL—triple-action for Maximum Protection... Full Power... Top Operating Economy!

MOBILGREASE—stays put even under shock loads—guards against dirt, moisture!

MOBILUBE GEAR OIL—protects against wear... makes shifting easy!

Mobil Farm Lubrication

Marketing Viewpoint

By John H. McCoy, Feed Grains;
Paul L. Kelley, Dairy Products; Joe
W. Koudele, Poultry and Eggs.

What is the present ruling on the establishment of an egg-price ceiling?
—C. E.

Under amendment 13 to the General Ceiling Price Regulation, a freeze on egg prices beyond the farm level is no longer automatic when prices received by farmers reach 100 per cent of parity. Now, positive action will be required by the Director of Price Stabilization to establish a new freeze or specific ceilings on egg prices when they reach 100 per cent of parity.

What is meant by the "tie-in" of dairy prices to beef prices for OPS ceilings?—B. R.

This is a proposal by the National Creameries Association to maintain the historical relation between beef and dairy prices in the present price-ceiling rulings.

Historically there has been about 20 points difference in the indexes of dairy and beef prices. If beef prices are held at 139 per cent of parity, then wholesale milk and butterfat could reach 119 per cent of parity. There is some possibility that OPS will favor such a proposal, which would in effect allow prices of milk and cream to go about 20 per cent higher before ceilings would be imposed.

I have some wheat which was damaged in storage by floodwater. The wheat was dried with a commercial grain dryer. I would like to have an opinion as to whether it is all right for cattle feed.—J. E. M.

The wheat that became wet and was dried has value as a feed if toxic substances were not formed as a result of action of microorganisms while wet. The high temperature of 200 degrees mentioned in your letter for drying should kill most if not all organisms. Some nutrients probably leached out when the grain was wet and some lost due to action of microorganisms. However, a major proportion of the original nutrients remain in the wheat. It might be well to feed just a few head of cattle for several days for observation of possible reaction before offering it to the entire herd.

Need Alfalfa Seed

Commercial seed companies in Kansas are urged to ship in certified Buffalo alfalfa seed by the carload from California and Arizona.

C. O. Grandfield, USDA agronomist at Kansas State College, said Kansas will have little or no alfalfa seed this year, so farmers in the state will need seed produced in other areas. The only safe seed available that can be shipped in from the southwest, Grandfield emphasized, is certified Buffalo.

Whether certified or not, seed of most varieties adapted to the Southwest is not adapted to the North, he stressed. Certified Buffalo produced in the Southwest is only one generation removed from northern produced Buffalo.

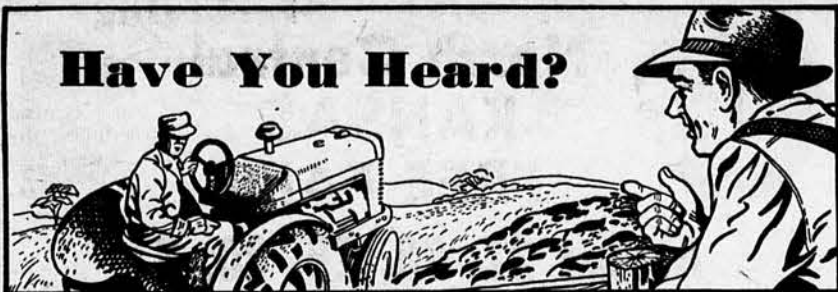
The International Crop Improvement Association is certifying central and northern alfalfa varieties grown in the Southwest, if they meet other standards and are only one generation removed from the northern seeds.

Kansas has been the top alfalfa seed producing state in the nation, so Kansas farmers will need carloads of the certified Buffalo alfalfa seed from California and Arizona to replace crops destroyed by floods and wet weather, Grandfield said.

Loan Extension for 1949-Crop Corn

Commodity Credit Corporation loans on 1949-crop corn may be extended in certain areas. The U. S. Department of Agriculture recently announced loans will be extended where it is determined by state PMA committees the corn can be safely stored on farms for another year. The action makes the maturity date for 1949-crop extended reseal corn loans July 31, 1952, or earlier on demand. To obtain extension, applications must be made to the county PMA committee before the final date specified in delivery instructions to be issued by the county committees this summer.

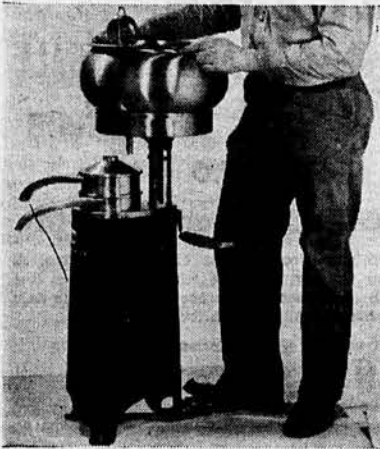
Have You Heard?



Notes on New Products and Folks Who Make Them

A NEW contact insecticide, Douglas Farm Bin Spray, is announced by Douglas Chemical and Supply Co., North Kansas City, insecticide manufacturer. The new spray contains 2 well-known bug killers—Lethane and DDT. The new spray is recommended for use in preparing farm and flat storage grain facilities for fresh grain. Spray on inside surfaces. The protective film left will kill migrating insects as well as those left over from old grain.

The new McCormick power washing cream separator flushes, power washes, sterilizes, and dries itself in 3 minutes, says its manufacturer, International Harvester Company. Easy-to-operate foot pedal permits operator to raise supply can. This feature aids quick



disassembly for cleaning or for drawing whole milk from supply can for family use. The separator has no gears, never needs oiling—bowl and motor are directly connected and operate as one unit. All metal parts contacting milk are stainless steel.

With 500 new-type livestock cars on order for 1951, Union Pacific railroad states they will have 1,500 top-equipped and efficient stock cars in service. "In this modern livestock car, everything possible has been done to maintain weight and health of your livestock en route to market." All livestock cars have bounce-prevention shock absorbers. These well-equipped cars mean protective livestock shipping over a smooth, steel highway, the company states.

A new seed treater is announced by Superior Separator Co., Hopkins, Minn. The new machine for treating seed by the slurry method is suitable for use on large farms. The Model SL400 Treater features 4 improvements over conventional treaters. It takes up less than 6 square feet of floor space, yet has a capacity of 400 bushels per hour. The slurry tank has a capacity of 20 gallons of slurry mixture. A 2-way bagger attachment simplifies handling treated seed. The SL400 handles accurately any job of seed treatment.

Appointment of Irrigation Systems, Inc., of Denver, as dealer for Ames portable Irrigation Systems is announced by Irrigation Division of the W. R. Ames Co. Ames Company designs and makes systems for all methods of crop watering. Roy McCormick, manager of Irrigation Systems, Inc., states the firm's activities will extend thruout Colorado as well as Eastern Kansas and Southern Wyoming. Ames equipment available thru the new firm includes: Roto-Rain revolving sprinkler systems, Perf-O-Rain low pressure overhead sprinkler systems; Tow-A-line power moves for sprinkler lines; Ames Gated Pipe for furrow watering and Lo-Head Surface Pipe for flooding and volume delivery.

A new spray calculator has just been released by the Engine Parts Manufacturing Co., Cleveland, O., manufactur-

ers of the Yellow Devil Sprayer. The calculator is designed for the purpose of simplifying the mixing of insecticides or herbicides for farm spraying. See your Yellow Devil Sprayer distributor or write to the Engine Parts Mfg. Co., 1360 West 9th St., Cleveland 13, O.

Weed control in grain crops by spray chemicals requires exact and uniform application to be effective. O. W. Kromer, president and chief engineer of the O. W. Kromer Co., Minneapolis, Minn., believes it's necessary to be familiar with the factors which affect the accuracy of a spray application to obtain exact and uniform application. He lists these factors: Nozzles, boom capacity, fluid pressure, and spraying travel speed. The Kromer Hy-Ro Sprayer is self-powered, has high clearance, has good adaptability for weed and insect control on high row crops.

Makers of the Simplicity 24-inch lawn mower say it's America's biggest garden tractor value. Here are some chores it's good for—mowing lawn, cutting weeds, plowing snow, sawing wood, cultivating. Simplicity Garden Tractor will do scores of yard and home maintenance jobs. A lawn mower attachment fits easily on the Simplicity 3 h.p. Model M Garden Tractor. The manufacturer says for little more than the price of a good single-purpose power mower, you get a Power Lawn Mower plus a versatile Simplicity Garden Tractor.

Caterpillar Tractor Co., Peoria, Ill., announces a new lightweight tool bar for use with either D2 or D4 tractor. The new bar is to provide the agricultural market with a more complete line of versatile and labor-saving attachments for Caterpillar-Diesel track-type tractors. The new No. 42 Tool Bar supplements No. 64 Tool Bar. The new bar provides a unit adapted to lighter applications while retaining built-in quality and performance of its predecessor. The D4 Tractor now can be equipped with either light or heavy-type tool bar. Tillage tools offered for No. 42 Tool Bar are chisels, subsoilers, disk ridger and spring-shank cultivators.

Nutra-Sol is a new detergent for flushing and cleaning agricultural spray rigs. Harang Engineering Co., 840 Lake St., San Francisco 18, Calif., developed the new detergent. Action is twofold—removes all previously-used chemicals and removes all sediment which causes clogging. When used as directed, Nutra-Sol is not harmful to brass, steel, aluminum or other materials.

New Free Folders And New Movies

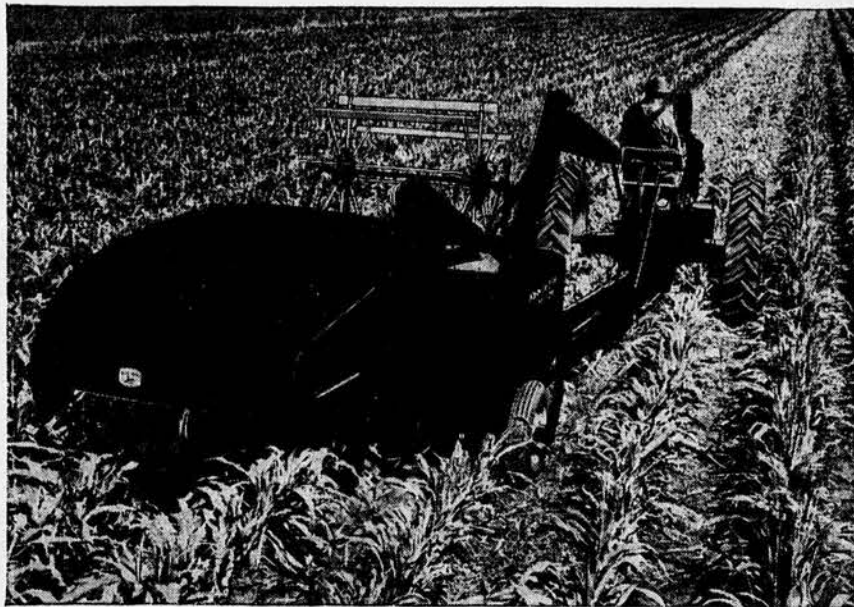
"Caterpillar Products" is a new booklet issued by Caterpillar Tractor Co., Peoria, Ill. Issued annually, the booklet contains a complete listing of all but 2 of the current line of products. For a copy, see your Caterpillar distributor or write to the company. Please say you saw an item in *Kansas Farmer*.

Recently we told you about Rax Powder, a warfarin-containing rodenticide, which has proved excellent for controlling rats and mice. The manufacturer, R. J. Prentiss & Co., Inc., has a new booklet on Rax Powder. It's available on request by writing the company at 110 William St., New York 7, N. Y.

"When the Cat's Away" is a new educational movie produced by Martin Steel Products Corp., Mansfield, O. The movie describes in detail modern methods of conditioning and storing ear corn without loss from spoilage. The film shows methods of eliminating losses from spoilage, moisture, fire, rodents, field losses and weather. For a copy of this movie for local showings, make arrangements with your Martin dealer.

Harvest More Acres EVERY DAY . . .

Save More Maize FROM EVERY ACRE



WITH A *Big-Capacity* JOHN DEERE NO. 12-A COMBINE

EVERY DAY you're in the field with the dependable John Deere No. 12-A Six-Foot Combine, you can figure on binning more bushels of clean, uncracked maize.

In the No. 12-A Full-Width, Straight-Through Combine, maize savings start at the cutter bar and continue all the way through the machine. Cutting as high as 40 inches from the ground, the No. 12-A gets all of the maize heads with a minimum of stalks. The feeding, threshing, separating, and cleaning units have ample capacity for handling the heaviest maize without loss.

The John Deere No. 12-A is simple and easy to operate. Light weight and light draft permit operation in soft fields when heavier machines are idle. The low-down auger-unloading grain tank empties in a hurry. Simple, swinging hitch quickly narrows the combine to a transport width of 10 feet, 8 inches.

The No. 12-A is quality built to give extra years of low-cost service to match its better crop-saving performance. You'll find it's the practical general-purpose combine for your farm. See your John Deere dealer soon.

JOHN DEERE

MOLINE ILLINOIS

Free

Fill in, clip, and mail this coupon for complete information on John Deere Combines.

John Deere, Moline, Ill., Dept. F-11: I want free folder on

☐ No. 12-A Combine

Name _____

Town _____

R. R. _____

Box _____

State _____

Classified Advertising Department

KANSAS FARMER Classified Advertising WORD RATE

10c per word each issue.
Minimum—12 words.
Names and addresses are part of ad, thus are billed at per-word rate.

Livestock Ads Not Sold on a Per-Word Basis

| DISPLAY RATE | | | |
|--------------|----------|--------|----------|
| Column | Cost Per | Column | Cost Per |
| Inches | Issue | Inches | Issue |
| 1/2 | \$4.90 | 2 | \$19.60 |
| 1 | 9.80 | 3 | 29.40 |

Minimum—1/2 inch.
Cuts are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads.
Write for special display requirements.

Kansas Farmer, Topeka, Kan.

● BABY CHICKS

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

Coombs Broiler Chicks, Silver Cross. Real cross-bred vigor. Columbian patterned white plumage. Fast growing. Fast feathering. Make good profits on our farm. Excellent satisfaction to broiler customers. Hatching now. Can fill orders promptly. U. S. Pullorum Passed. Free circular. Write: Coombs & Son, Box 6, Sedgwick, Kan.

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

● SEEDS

Certified and Non-Certified Wichita, Comanche, Tenmarque, Cheyenne Winter Wheat Seed. Cleaned, treated and tagged. Certified Pueblo and Ward Winter Barley. Non-Certified Ward Barley. Balboa Rye. Pasture Grasses and Legumes for irrigated and non-irrigated pastures. Jacks Bean Co., Ft. Morgan, Colo.

Genuine Kentucky 31 Fescue Seed. Grown by Ray Crouch, the Starter of Ky. 31 in Missouri. Straight Run Seed, \$53.50 per 100. Recleaned by Parks Produce Co., Holden, Mo. Approved by Missouri Seed Improvement Association, \$65.00 per 100. Ray Crouch, 207 East Green, Clinton, Mo.

● MACHINERY AND PARTS

Don't Be Dicked at the elevator—save the full feed value of your hay! Write for testimonials acclaiming the success of Hesse Hay & Grain Dryer. Hesse Company, 1213 Dace, Sioux City, Iowa.

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

● FARM EQUIPMENT

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

McPHERSON CONCRETE PRODUCTS CO.
904-1126 West Euclid McPherson, Kansas

For Sale—40% Butyl Ester 2.4-D. 2 1/2 lbs. of 2.4-D per gal., 5 gal. prepaid to you \$22.50. A well known brand. Beloit Battery & Electric, Beloit, Kan.

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

● AUTOMOTIVE

For Sale—New Fairbanks-Morse and Wico magnets for all models John Deere Tractors, \$20.00 prepaid. Give model and year of your tractor. Beloit Battery & Electric, Beloit, Kan.

● EDUCATIONAL

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

● LIVESTOCK ITEMS

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

● DOGS

Shepherd Pups ready to train. Males \$10.00, females \$5.00. Healers guaranteed. Lloyd Thielheim, Long Island, Kan.

● RABBITS AND PIGEONS

Earn Up to \$100 monthly raising Angora or New Zealand Rabbits. Plenty markets. Particulars free. White's Rabbitry, Newark 71, O.

● AGENTS AND SALESMEN

For Those Extra Dollars show the Hye-Quality line of Christmas and Everyday cards. Christmas Feature 21 in — Everyday 21 in — an improved White Christmas box—gift wraps—imprint stationery, napkins, personalized matches and many attractive gift items. Imprinted Christmas cards 50 for \$1.25 up to 25 for \$2.95. Folders free. Orders shipped within 24 hours. Exclusive Doehla distributors, also Cheerful and other fast selling lines. Write today. Hye-Quality Card Co., 1020 McGee, Kansas City 6, Mo.

At Last! Something new and sensational in Christmas Cards. Make extra money fast! Show gorgeous satins, velours, metallics never before offered. Gets easy orders! Pays up to 100% cash profit. Free samples 30 Christmas cards with name, 50 for \$1.25 up, 80 assortments. Personalized book matches and stationery, gifts. Several \$1.00 boxes on approval. Write Puro Co., 2801 Locust, Dept. 187-K, St. Louis, Mo.

August 18

Will Be Our Next Issue

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

Friday, August 10

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

● FILMS AND PRINTS

3c Deckledge Reprints 3c

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

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

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

● 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.

● REMEDIES—TREATMENTS

Free Book — Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C808, Kansas City 3, Mo.

● OF INTEREST TO WOMEN

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

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

● FEATHERS WANTED

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

● FARMS—MISCELLANEOUS

New Free Fall Catalog just off press! Farm and country real estate bargains, good pictures, many states, easy terms, many equipped, businesses. 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! 3084 bargains, 33 states. World's largest! Our 51st year. Buy now, beat inflation. Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

● OF INTEREST TO ALL

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

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

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

Cigars. Buy direct and save. Fine. Mild. 10c size and quality for nickel. Write today. M. M. Burr Cigar Factory, 5516 Easton, St. Louis, Mo.

Many Vet Grads

Into General Practice

Four fifths of the Kansas State College 1951 veterinary medicine graduates are entering general practice. E. E. Leasure, dean of the school, reports other results of a recent survey. The breakdown of the class was: small animal practice, 4.2 per cent; 4.2 per cent will be employed by the U. S. Bureau of Animal Industry; 1.4 per cent will enter the U. S. Armed Forces as first lieutenants in the Air Corps, VC; 2.8 per cent will be employed by state bureaus of animal industry; 1.4 per cent are going into educational institutional work; 5.7 per cent are going into industry; 79.9 per cent into general practice; 1.4 per cent undecided.

Thirsty Livestock

Plenty of water and shade should be provided for livestock during summer months. R. B. Cathcart, Kansas State College animal husbandryman, states daily water requirements are: mature cattle, 8 to 10 gallons; fattening calves, 7 gallons; ewes, 1 to 1 1/2 gallons; hogs, 1 gallon. Where natural shade is not available, artificial shade may be constructed.

MODERN TYPE

HEREFORDS

When at the North Central Kansas Free Fair visit our farm. See the calves sired by our herd sire Hillcrest Larry 112. We will sell some cattle in the All-Tredway Sale this fall. Don't fail to see our offering.

HAL RAMSBOTTOM
MUNDEN, KANSAS



North Central KANSAS FREE FAIR

August 27, 28, 29, 30, 31

"At the Crossroads of America"

Belleville, Kansas

Kansas' Third Largest Fair

Official A. P. A. Poultry Show. Thousands of dollars offered in cash premiums for purebred livestock. This is the show window of North Central Kansas. Modern up-to-date barns for exhibitors to stall their livestock. Your premium list is ready. Don't fail to get it. Let's all exhibit and visit our friends at Belleville, Fair Week.



For all information get in touch with
HOMER ALKIRE, Sec., Belleville, Kan.
FRANK SHOEMAKER, Pres.



ELMO VALLEY FARM

POLAND CHINA BRED SOW AND BOAR AND GILT SALE

August 14, 1951, at the farm

47 HEAD

22 Bred Gilts, 25 Boars and Gilt

Grand champion bloodlines. The offering is immune. A good opportunity for you breeders who are short a few show animals to pick them up before you start the fair circuit at Belleville. A truly good offering.

Farm located 2 miles north and 1 west of Elmo, Kansas

J. J. HARTMAN & SON

Mike Wilson, Auctioneer

NOW OFFERING 36 BULLS

17 TWO-YEAR-OLDS — 19 YEARLINGS

Sired by H. Lassie's Tone 21st by Lassie's Tone 8th and FRC Rupert 3rd a grandson of Hazford Rupert 25th, whose pedigree is shown. These bulls are out of good big smooth rugged typey Hazlett bred cows. Priced reasonable. We have bred Herefords since 1922. Come see us.

P. F. HANSEN, Hillsboro, Kansas

| | | | |
|--|----------------------------|-------------------------------|-----------------------------------|
| Dellford Rupert 2 2704907 | Rupert Tone 13 2244522 | Hazford Rupert 25 1209734 | Hazford Rupert Hazford Lass 6 |
| Name—FRC Rupert 3 4269242 Calved—September 23, 1944 | Mary Tone 1546218 | *Izatonc 1567375 | *Haxford Tone Bocardo Mischief |
| Dell, Lady Domino 3 2870430 | WHR Star Domino 2198859 | *Haxford Tone 1093542 | *Bocardo 6th Tonette 2d |
| | Dream 1652706 | Minette 985242 | Beau Gudgell Oma |
| * Indicates Register of Merit | | Prince Domino 4 1480000 | *Prince Domino Belle Domino 6 |
| | | Brand's Anxious 75 1871775 | Superior Mischief 21 |
| | | *Haxford Tone 1093542 | Brand's Donaldess 13 |
| | | Manoah 1294648 | *Tonette 2 Haxford Bocardo 8 |
| | | | Bocardo Mischief |

GOOD BREEDING PAYS

Herd Sires: Prince Sunbeam 118th;

Prince 29th G. A. C., both sons of

Prince Sunbeam 29th, and Prince

G. A. C., a grandson of the "29th."

We have an outstanding group of calves coming along. We invite your inspection. Visitors always welcome—turn in when you see the sign.

G. W. and ADA C. CALDWELL, Harlan, Kan.

On U. S. Highways 281 and 9



ROWE'S POLANDS

Santa Fe and Dress Parade

Two great names in Poland Chinas. Sons and daughters of these 2 great boars now being fitted for the Fall Shows and our annual Fall Sale.

Many top breeders pronounce our spring pig crop the best we have ever produced. Our last fall sale was evidence that our Polanders are correct in type and breeding.

Mark October 22 now on your calendar for our annual sale (night sale).

Get a catalogue early

C. R. ROWE & SON, Scranton, Kansas

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HOGS**Private Sale DISPERSION
of my Duroc Herd**

Result of 47 years breeding top quality
and blood of Duroc breed.

Glits bred to Model Pacemaker boar—Wesley Miller of Montpelier, Ohio, states near perfection in type and quality, some to Stylized Leader—Bosingham says he is a duplicate of his Leaders—Pride—a \$1,510 boar. Spring pigs by our proven sires since 1946 and out of top sows. If possible come make your own selections. If not will describe as I see them. Prices right. Loss of health makes it imperative that I sell. Everything double immuned. Will record all certificates to you. Crate and deliver FOB Lyons.

Thanking you for past support in my 47 years and I know have best ever to offer—you come see. Yours for better Durocs.

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Lyons, Kansas

**Offering Top Quality Spring
Boars sired by
Hid-O-W-Deluxe**

Illinois grand champion boar, Super Wave-master & Peppard's Quality, the 2 great Peppard sires, also Quality Pride. Real modern type Duroc pigs, sire prospects. Also fall gilts to farrow August and September, bred to Super Bomber, son of Proud Bomber a Simpson Bros. boar, and Sunset Image, son of Golden Sunset, Juhl Bros. breeding. Two fine young boars priced reasonable.

Cholera Immune

K. L. Spencer & Son

Route 2 McCook, Nebr.
5 miles north and 3 miles west of McCook.

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

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 Fleetline 1st.

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

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

**15th Anniversary Sale of
REG. SPOTTED POLAND CHINAS**

Sale at farm

August 11, 1951—1 o'clock
25 Bred Gilts

20 Spring Boars and Open Gilts

Top quality and champion breeding. Many are bred the same way and carry the blood of our 1950 State Fair champion boar, Chief Control. Other boars in service are Roger, Silver Plate, E. J. F. Ben Boe, and Chief Echo II. We have always used a champion boar or a son of a champion. Come and see this great offering sale day.

Immuned and registered.
Farm located 1 mile east and 1 1/4 mile south of Norwich, Kan. Norwich is 35 miles south-west of Wichita on K-42.

Write for catalogs to
EARL J. FIESER, Norwich, Kan.
Auctioneer: Charles Cole

SHEEP

REGISTERED

Shropshire Yearling Rams

A big bunch of big rams.
D. V. SPOHN, Superior, Nebraska

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Effective February 1, 1951

1/2 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

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

September 1—Hal T. Hooker, Maryville, Mo. Catterson Bros., Maryville, Mo., and Leo Archer, Conception, Mo. Leo Archer, Sale Manager, Conception, Mo.
November 7—Kansas State Aberdeen-Angus Breeders' Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.
November 9—"The Humeston Breeders Registered Consignment Sale," Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Ia. Donald J. Bowman, Sales Manager, Humeston, Mo.
December 12—Commercial and Purebred Angus Sale, Dodge City, Kan. Don L. Good, Secretary, Manhattan, Kan.

Ayrshire Cattle

September 10—Emerald Acres, C. C. McGennis, Rich Hill, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.

Brown Swiss Cattle

September 10—Rex H. Winget, Cushing, Okla.—Complete dispersal.
October 7—Tri-State Sale at Topeka, Ross W. Zimmerman, Sale Manager, Abbeville, Kan.

Guernsey Cattle

October 19—Ninth Annual Kansas Guernsey Breeders Consignment Sale, Fairgrounds, Hutchinson, Kan. C. J. Graber, Secretary, Rt. 1, Newton, Kan.

Hereford Cattle

September 5—Davis Stock Farm Registered Hereford Dispersion, Derby, Kan.
September 25—Blue Grass Breeders' Association Show and Sale, Princeton, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 12—Brown Brothers, Fall River, Kan.
October 13—CK Ranch, Brookville, Kan.
October 20—O'Bryan Ranch, Hiattville, Kan.
October 22—Beeks & Cleland, Baldwin, Kan.
October 29—Mouset Bros., Cambridge, Nebr.
October 30—North Central Kansas Hereford Sale, Dr. George Wrenth, Sale Manager, Enterprise, Kan.
October 31—Bob White Hereford Farm, Enterprise, 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.

November 2—Haven Hereford Association, Hutchinson, Kan.

November 3—Jesse Riffel & Sons, Enterprise, Kan.

November 5—Frank R. Condell's Dellford Ranch, El Dorado, Kan.

November 7—Lincoln County Hereford Association, Sylvan Grove, Kan.

November 7—Cowley County Hereford Breeders, Winfield, Kan.

November 9—Midwest Polled Hereford Association, Deshler, Nebr.

November 10—Al Schuetz and William Belden, Horton, Kan.

November 10—W. H. Tonn & Son, Haven, Kan.

November 12—Sunflower Futurity, Hutchinson, Kan.

November 14—Osage Valley Registered Consignment Sale, Osceola, Mo. (Sale at KB Ranch, Iconium, Mo.) Donald J. Bowman, Sales Manager, Hamilton, Mo.

November 15—K Ranch, Hutchinson, Kan.

November 17—O'Bryan Ranch, Hiattville, Kan. (Polled)

November 19—Summer County Breeders, Caldwell, Kan.

November 20—Central Kansas Polled Hereford Association, Herington, Kan.

November 21—Jesse Riffel & Sons, Enterprise, Kan. (Polled)

November 27—Mathison Bros., Natoma, Kan.

November 28—WHR Royal Tredway 9th Sale, Oakley, Kan.

December 3 and 4—Molvane Hereford Ranch Dispersion, Topeka, Kan.

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

December 8—A. R. Schlickau & Sons, Haven, Kan.

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

February 5—Kansas Range Bull Sale, Dodge City, Kan.

February 9—Dickinson County Hereford Breeders' Association, Abilene, Kan.

February 14, 1952—Kaw Valley Hereford Association, Manhattan, Kan. Bass Powell, Sale Manager, Manhattan, Kan.

February 22—Sam Gibbs, Clay Center, Kan.

April 12—Kansas Hereford Association, Horton, Kan.

Holstein Cattle

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.

Jersey Cattle

September 17—Ridge Run Farm (J. K. Burney, Owner), Aurora, Mo. Laurence Gardiner, Manager, 1863 Cowden Ave., Memphis 4, Tenn.

October 15—Kansas Jersey Cattle Club Sale, Manhattan, Kan., at Kansas State College, Ivan N. Gates, Sale Manager, West Liberty, Ia.

Shorthorn Cattle

September 17—Gregg Farms Dispersion by W. H. Hargus Land and Cattle Co., at Silver Top Farm, Belton, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

September 18—Tomson Bros. Wakarusa, Kan.

September 28—Hartley Stock Farms, Baxter Springs, Kan. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

September 29—J. L. Early, Carl Junction, Mo. Mervin Aegerter, Sales Manager, Seward, Nebr.

November 8—Kansas State Polled Shorthorn Sale, Hutchinson, Kan.

November 9—Kansas State Horned Shorthorn Sale, Hutchinson, Kan.

Polled Shorthorn Cattle

October 22—Missouri Breeders' Association, Sedalia, Mo. Rollo E. Singleton, Secretary, Jefferson City, Mo.

Milking Shorthorn Cattle

October 31—Milking Shorthorn Consignment Sale, Hutchinson, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.

Chester White Hogs

October 8—Roy Koch, Bremen, Kan. (Night Sale at Marysville.)

Duroc Hogs

August 8—E. S. Parsons, Sas-Nak Duroc Farm, Hiawatha, Kan.

August 27—(Night) C. M. Sheehy, Richards, Mo. Sale at Nevada, Mo.

September 27—Allen Kettler, Paola, Kan.

October 5—Frank Alexander, Corning, Kan.

October 13—NCK Duroc Sale, Belleville, Kan. Dr. George Wrenth, Sale Manager.

Poland China Hogs

September 7—Albert Morgan, Alta Vista, Kan.

September 24—Glenn Wiswell, Spring Hill, Kan.

Spotted Poland China Hogs

August 11—Earl J. Fieser, Norwich, Kan.

Hampshire Sheep

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

DAVIS STOCK FARM**REGISTERED HEREFORD DISPERSION
Derby, Kan. --- September 5, 1951**

Sale at the farm, 1 mile south of Derby on Kansas Highway 15; 12 miles southeast of Wichita.

115 LOTS — 150 HEAD
Including: 5 Bulls, 61 Cows with calves
11 Bred Cows, 14 Yearling Heifers (open)
24 Bull and Heifer Calves

This herd has been built on a foundation of cattle from Turner Ranch, Sulphur, Okla.; CK Ranch, Brookville, Kan.; Will Condell, El Dorado, Kan.; Murray Hill Stock Farm, Valley Center, Kan.; and Walnut Valley Hereford Ranch, Winfield, Kan.

Bull R-042

OJR Jupiter Star 12th 4367161

Royal Return 5535007, Calved March 30, 1948
Breeder, Kenneth Waite, Winfield, Kan.

WVHR Charity D. 4614403

WHR Jupiter Star

3469264

OJR D. Martha Stan-

way 2757463

Real Domino Return

4033295

WVHR Flashetta D.

7th 3277807

Star Domino 6th 2035995

WHR Hopeful 8th 2417087

WHR Royal Domino 51st 2123530

D. Martha Stanway 2339088

Real Domino 51st 2437719

H. D. Princess H. 7th 3326134

WHR C. Domino 1st 2751173

Lady Ruth 2d 2023332

Featuring our herd sire: ROYAL RETURN, a son of Waite Bros. noted OJR Jupiter Star 12, from the top heifer of their 1948 sale. This bull is a half brother of the 1949 State Fair champion female and the 1949 Sunflower Futurity champion bull.

For sale catalog write to the sale manager

O. R. PETERSON, National Auction Co.,
1208 Burk Burnett Bldg, Fort Worth, Tex.

or to **CHARLES J. DAVIS, Owner, Derby, Kan.**

Aucts.: G. H. Shaw and Gene Watson

Wike Wilson for Kansas Farmer

Dairy CATTLE**ROTHERWOOD
Land of Oz**

Hutchinson, Kansas

Welcomes visitors at all times. Here Jerseys have been constructively bred for 24 years—and breeding stock is priced right. One young potential herd sire is ready to go!

Reg. 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.

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Reg. Guernseys Since 1906

High production. Correct type. Popular bloodlines.

RANSOM FARM, Homewood (Franklin Co.), Ks.

REG. AYRSHIRE BRED HEIFERS For Sale
2 just fresh and some to freshen in Aug. Sept. and October. Also a few choice bull calves.
Chet-Ayr Farm, Chester O. Unruh, Owner
Hillsboro, Kansas

Beef CATTLE**100 HEAD
Banbury's POLLED SHORTHORNS**

Established in 1907
Herd sire: Chet-Ayr Hill Hallmark. Bred by Oakwood Farm, 3rd in Get of Sire, at the Kansas State Fair in 1950.
Princess Coronita—Champion female at the Kansas State Sale, sired by Red Coronet 2nd. Herd sire bred by Theimans. Males and females (some of the best) for sale, calfhood vaccinated. Can deliver at cost in Kansas.
9 miles southwest of Hutchinson, then 14 miles west on blacktop road.
J. C. BANBURY & SONS, Plevna, Ks.

Beef CATTLE**MULVANE RANCH
DISPERSION**

December 3 and 4
SELLING 500 HEAD



Registered Herefords at the 4E Ranch headquarters. Beau Perfect 246th sire of champions and top sellers. Francis Davis of Rossville is foreman of Mulvane Ranch. 4E Ranch is located 5 miles south and 1 mile west of Topeka. It is stocked with 200 head of registered Herefords.

ALLEN ENGLER & SONS, Owners
TOPEKA, KANSAS

Proven Polled Hereford Herd Sire For Sale

Advance Choice 16th 3790573-F-184985—8 years old. Sired by Advance Domino 50th. Dam is Rosy Domino, sired by Advanced Domino, bred by Kenneth Kuhlmann, North Platte, Nebr. Also 30 young bull calves for sale Sept. 1, sired by Advance Choice 16th and Domino 8th, my junior herd sire. Write for details. Near highways 77 and 50N.
MARTIN I. SHIELDS, Lincolnville, Kan.

ALF BEAU MIXER 21

FOR SALE

"Polled Hereford" bull. John M. Lewis & Sons, Larned, Kan. Farm is located 9 miles south of Newton, on highway 81 and 2 miles west on blacktop.
NOR-LYN POLLED HEREFORD FARM
Gingress & Sons, Owners
Sedgwick, Kansas

**LACY'S SHORTHORN HEIFERS
FOR SALE**

Two-year-old Heifers with heifer calves at foot and rebred. Five Yearling Heifers. All these heifers are bred to H. V. F. Supreme 4th, a son of Imported Calrossie Supreme. Also 5 Open Heifers.
E. C. LACY, MILTONVALE, KANSAS

NEW GROWTH Stimulant Helps Make RUNTY PIGS PROFITABLE

Gives **HOGS**
27% with **14%**
FASTER GROWTH **LESS FEED**



In Powder Form
For Easy Mixing
In Feed

DR. SALSBUARY'S
HOG-GAIN

Feed Containing
HOG-GAIN
Also Available In Many Areas

Not A Protein Supplement!

Contains A Pure Chemical
3-Nitro 4-Hydroxy Phenylarsonic Acid
Not Available in Any Feedstuff

Also Supplies Other Essential Nutrients
Makes Any Good Feed A Better Feed!

HOG-GAIN is a new and different chemical compound that helps you make RUNTS profitable! Increases your profit on normal pigs. Gives pigs of all ages faster growth, sleek, uniform finish, with less feed. The amazing growth stimulant "3-Nitro" in HOG-GAIN, is exclusively Dr. Salsbury's.

HOG-GAIN helps RUNTS and normal pigs of all ages through entire growing period. Even when given to pigs weighing 150 pounds, HOG-GAIN produces faster weight gain.

Proven Profitable For Hundreds of Hog Raisers



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

"We put six of our runty 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.

"I bought 17 pigs at 125 pounds and 21 pigs at 147 pounds. I fed them Hog-Gain and 100 days later I sold the first bunch at 290 pounds and rest at 280 pounds. This is an average gain of 1 1/2 pounds per day." Art Lang, Sumner, Iowa.

In Packages For Mixing In The Feed or Get Feed Containing HOG-GAIN

HOG-GAIN fits easily into your hog-feeding program. Just buy HOG-GAIN by the package and mix it with the feed, or buy feed already containing HOG-GAIN. Cost is low compared to your profit benefits.

SEND COUPON, NOW

HOG-GAIN is available through Dr. Salsbury dealers. To help you get extra profits with HOG-GAIN, now, send this coupon to us for HOG-GAIN bulletin and local dealer's name. Every day you miss using HOG-GAIN, you lose extra hog profit. Send coupon at once.

Mail This Coupon NOW

Dr. Salsbury's Laboratories
Dept. 16, Charles City, Iowa

Please send bulletin on HOG-GAIN and name of local dealer.

NAME _____

TOWN _____

R. F. D. _____ STATE _____

MY FEED DEALER'S NAME _____

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Yes, Junior, that's one of those famous Dodson "Red and White Top" Silos everybody's talking about. It turns row crops and grasses into a quick beef- and milk-producing feed. It's full of vitamins and gives quick growth to boys like you. Drop us a line, Mr. Beef Producer and Mr. Dairyman. We know \$38 won't empty your pocketbook Write us today.

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Paste on a penny post card and mail to
DODSONS, 1463 Barwise, Wichita, Kansas

Barbecued Chicken

(Continued from Page 1)

last winter. Three hundred and fifty persons enjoyed barbecued chicken as a feature of broiler day at Kansas State College this spring, and about 200 Flying Farmers and their wives found barbecued chicken a rare treat at their annual convention during June.

Since Professor Avery is the Kansas authority on barbecued chicken, and since a lot of Kansas folks seem to be interested in how to barbecue poultry for different size groups, Professor Avery has worked up a detailed outline.

Here are some highlights of preparing barbecued chicken, he says:

"Best chickens for barbecuing are from 9 to 12 weeks old and weigh from 2 1/2 to 3 1/2 pounds live weight. Birds of broiler strains and having made rapid growth are best. After they are dressed they are split in half by cutting up the backbone and thru the center of the breast at the breastbone. The neck and backbone may be removed. Giblets, neck and backbone cannot be used for barbecuing. Large birds may be quartered and wing tips clipped to prevent them from catching in wire over pit.

Pit Easy to Build

"A barbecue pit easy to build, easy to move, and convenient to work around is made of cinder or pumice blocks. These blocks are not injured by heat so may later be used for building. Blocks are usually 8 by 8 by 16 inches.

"Choose a level site and lay blocks end to end in 2 rows. Inside measurement between rows should be 30 to 32 inches. Walls of pit need to be 3 blocks high. Length of pit will vary with number of birds to be prepared. Ends of pit should be closed either with blocks or metal sheets.

"If more than one group of birds is to be prepared over the same coals, then an extra large amount of coals will be needed, so it will be best to build the pit 4 blocks high for the first batch. Then remove one layer of blocks, stir up the coals, and proceed. It is not necessary to reinforce the blocks as they are laid one upon the other without supports.

"When setting up the pit allow one square foot of wire over the pit for each 3 to 3 1/2 halves of chicken. Less space will be required for small birds.

When to Start Cooking

"Having just the correct bed of coals and knowing when to start cooking the birds is important. The fire for barbecuing can be made from wood or briquettes. When wood is used, it is best to fill the pit level full. Do not use all green wood, or wood that is badly rotted. When laying wood, put some kindling wood and straw on the bottom and lay the logs on top. Never use logs that are more than 6 to 8 inches in diameter as it will take too long for them to burn down.

"Logs may be any length, being as long as the pit, if desired. The fire will burn better if a few logs are laid crosswise to permit air circulation. The fire should be started about 2 hours before placing chickens over the pit.

"Before starting to cook be sure wood is all burned and only coals are left. If a few larger logs have failed to completely burn, they should be removed. Just before cooking starts, take

a rake and level coals so they are the same depth over all bottom of pit. There is a strong tendency for beginners to start barbecuing while the fire is still too hot. If there is need to hurry sprinkle a little water on top of coals or rake some of coals to one side of pit. Never start cooking until you can hold your hand 12 to 14 inches above wire on top of pit for several seconds. One secret to successful barbecuing is cooking over a slow, even fire.

"As soon as coals are ready place metal bars or pipes across pit. These bars or pipes should extend to outer edge of pit on both sides. Place them 2 to 3 feet apart. A 1-inch by 2-inch by 3-foot welded wire is first choice. A 1/2-inch square mesh is second and a 1-inch hexagon wire is third choice.

"Stretch wire lengthwise of pit, and unless welded wire is used, fasten by looping ends around pieces of pipe at

Barbecued Chicken

Plan now to make your next outdoor party a barbecued chicken picnic. Send for Professor Avery's plan giving details on menus, food and equipment needed for groups of 10 to 500. Write Service Editor, Kansas Farmer, Topeka, and ask for Outline on Barbecuing Chickens, by Tom Avery. There is no charge.

each end, and hold tightly by pieces of pipe driven into ground at both ends of pit.

"If frozen birds are used, be sure they are completely thawed before cooking starts. Plenty of help should be on hand to make certain chickens can be turned frequently at start of cooking.

"Dip each half chicken in barbecue sauce as it is placed over pit. Keep birds skin side up as much as possible during initial period when burning is a hazard. It is a good idea to keep all birds with same side up as this means less danger of missing a bird when turning.

"Birds should be turned frequently especially at first. Baste birds repeatedly during entire period. This is done by tying a rope dish mop on end of a long handle. Barbecue sauce must be kept hot and stirred frequently to keep an even mixture. Keeping birds well basted is important as it prevents them from drying out and adds to flavor. It is desirable to salt them liberally at least twice while cooking. Chickens can be turned by using picnic forks or by hand if cotton gloves are worn. Never stick fork into flesh.

"Time required to barbecue chickens is from 45 minutes to an hour and 15 minutes, depending upon fire and size of birds. Test birds for doneness by twisting drumstick. If bone readily separates from thigh joint, bird is done. It isn't necessary to test all birds."

So there you have the general story. Now, you will want to send for Professor Avery's outline for the recipe on barbecue sauces and complete details on food and equipment needs to conduct a barbecue for from 10 to 500 persons.

Saves Cream Quality



KEEP CREAM COOL: This simple 4-nozzle spraying equipment in the Warren Duff station, Eskridge, will keep 35 to 40 cans of cream cool during summer. It requires small amount of water to operate.

Buy Direct From Factory and Save

After 10 years of building Lawn Mowers, we have developed a sickle type mower that will cut fine grass or large weeds. Will cut lawns as short as 1 in. Especially built for Cemeteries, Parks and Schools. Mower has 111 C. Lespedeza guards and sickle, which gives double cutting capacity. Center drive on sickle permits close cutting around curbs and shrubbery. When answering this ad state type of mowing: Yards, Parks or Cemeteries.

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

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

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IN THE FIELD

MIKE WILSON

Topeka, Kansas
Livestock Editor

Lot Taylor, Manhattan, reports the KANSAS SHORTHORN PICNIC planned for July 28 at Abilene has been postponed to August 11, at Eisenhower Park. Due to the recent high waters and destructive flood, the organization felt it was necessary to announce this postponement. The original program will take place as planned.

THE SOUTHWEST KANSAS HEREFORD BREEDERS' ASSOCIATION announces Thursday and Friday, August 9 and 10, as dates for their annual district tour. It will start the morning of August 9 at the Riley MacGregor Farm near Medicine Lodge. The next morning the group will assemble at 6:30 at the Roy W. Ellis Valley View Ranch, 8 miles northwest of Coldwater. Those interested in the promotion of Herefords are urged to attend.

E. A. DAWDY, Holstein breeder of Salina, always has been highly interested in increased production and type in his breed. The Dawdy herd has just finished a record of 596 pounds herd average on 20 head of 3.9 test—5 months on 3 time milking and 7 months on 2 time milking. The herd has a classification score of 86.2 on 24 head. This is the highest score for type and production in Kansas. The Dawdy's also have made recent bull sales in Utah, Nevada and California.

Allen Engler, Topeka, announces the MULVANE RANCH, Rossville, will disperse the entire herd of registered Horned and Polled Hereford cattle December 3 and 4 at the 4E Ranch headquarters 5 miles south of Topeka. The decision to disperse this herd was a result of the recent flood which has made feed supplies short on the Mulvane Ranch operation. All of the farm land was flooded; consequently, little feed will be raised this year. In addition to the loss of this year's feed crop, a lot of carry-over feed, including corn and alfalfa, was ruined. Nearly 500 head of registered Hereford cattle will be offered. The sale offering will include 200 cows all bred or with baby calves at side; 50 heifers nearly all of breeding age; 25 serviceable-age bulls; 125 head of early 1950 calves which will be weaned; and 20 head of serviceable-age bulls owned by Allen Engler & Sons 4E Ranch. In addition, 5 herd sires will be sold. A special attraction will be the selling of Beau Perfect 246 which has been one of the most prominent Polled Hereford breeding bulls in the nation. He sired the National Polled Hereford champion and top-selling female ALF Stella Beau 7. The following year she was champion at 3 national shows. He is also the sire of ALF Beau Rolla 59, champion bull at the 1948 Illinois State Fair. His daughter was the top-selling female at the 1947 National Polled Hereford Sale. Another son, AKF Beau Rolla 74, sold at \$27,500 at the 1949 National Polled Hereford Show. He was also the sire of the dam of the champion and top-selling bull at the 1950 and the 1949 Kansas Polled Hereford Sale. Another daughter, ALF Stella Beau 66, topped the 1950 National Polled Hereford Sale at \$8,100. This makes 3 of his daughters that have topped National Polled Hereford sales. This featured herd sire formerly was in service in the Alfalfa Lawn Farm herd of John M. Lewis & Sons, Larned. They have a good many of his daughters in this herd. Beau Perfect 246 has been in service in the Mulvane Ranch herd 3 seasons. Other herd sires offered include MF Model Real, champion and record top-selling bull at the Western Polled Hereford Sale, Pawnee Domino 22, Real Prince Plato 19 and KHR Royal Plato 28. All the Mulvane Ranch cattle will be sold in this sale except 4 head, which have been consigned to the National Polled Hereford Sale. Allen Engler & Sons will continue to operate the 4E Ranch south of Topeka, with Polled Hereford cattle. The 4E Ranch herd now numbers more than 200 head of registered cows.

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 | \$37.00 | \$36.90 | \$31.50 |
| Hogs | 23.45 | 23.50 | 24.50 |
| Lambs | 32.00 | 31.25 | 26.50 |
| Hens, 4 to 5 lbs. | .24 | .27 | .25 |
| Eggs, Standards | .42 | .42 1/2 | .34 1/2 |
| Butterfat, No. 1 | .62 | .64 | .51 |
| Wheat, No. 2, Hard | 2.33 1/2 | 2.32 1/2 | 2.31 |
| Corn, No. 2, Yellow | 1.78 | 1.76 1/2 | 1.52 |
| Oats, No. 2, White | .90 1/2 | .90 | .84 |
| Barley, No. 2 | 1.31 | 1.26 | 1.28 |
| Alfalfa, No. 1 | | 28.00 | 24.00 |
| Prarie, No. 1 | | 19.50 | 14.00 |

Feeding Beef Heifers

In a recent beef-cattle feeding test at Kansas State College, heifers which were fattened in a dry lot for 100 days after August 1 ate less grain but produced more gain, than animals fattened on bluestem grass. Dry lot-fed heifers also sold for a higher market price, states R. B. Cathcart, animal husbandryman, and the animals yielded a higher dressing percentage.

Dates Set for Dairy Congress

The National Dairy Cattle Congress for 1951 will be held September 29 thru October 6, at Waterloo, Ia. Three of the national breed organizations—Brown Swiss, Guernsey and Holstein—will hold their official national shows at the Con-

gress again this year. The Ayrshire regional, plus the nation-wide Jersey and Milking Shorthorn shows, round out the breed shows. Last year's show also marked the second consecutive year every state in the Union was represented. A record total of 1,911 head of dairy animals were entered in competition at the event.

Three "Indian" Wheats Tops in Popularity

Three "Indian" wheat varieties—Pawnee, Comanche and Wichita—again made up most acreage planted to wheat in Kansas for the 1951 crop. These 3 varieties were planted on 72 per cent of the acreage, according to a survey recently made by the Kansas State Board of Agriculture.

These varieties have been of major importance during the last 4 years, comprising 60 per cent of total acreage in 1948, 66 per cent in 1949 and 68 per cent in 1950. There are few counties in which the 3 varieties failed to make up most of the total wheat acreage.

Of the total seeded acreage, Pawnee comprised 39 per cent, Comanche 17 per cent and Wichita 17 per cent. Next ranking wheats were Triumph, Red Chief and Tenmarq. Information for the survey was supplied by 4,000 farmers throughout the state who reported wheat varieties grown on their farms.

College Girl Wins Capper Award

Ann Thackrey Berry is winner of the 1951 Capper Award as outstanding Kansas State College journalism graduate of the Class of '51. Her name will be engraved on a silver plaque along with other outstanding journalism students of former years. The plaque was presented to the journalism school by former Senator Arthur Capper. Each year a student is selected for the honor by journalism faculty members at Kansas State.

Mrs. Berry is a daughter of Mr. and Mrs. R. I. Thackrey, Washington, D. C. Mr. Thackrey is executive secretary-treasurer of the American Association of Land Grant Colleges and Institutions. Mrs. Berry also was awarded a scholarship certificate by Sigma Delta Chi, professional journalism fraternity.

Kansas Warehouse To Be World's Largest

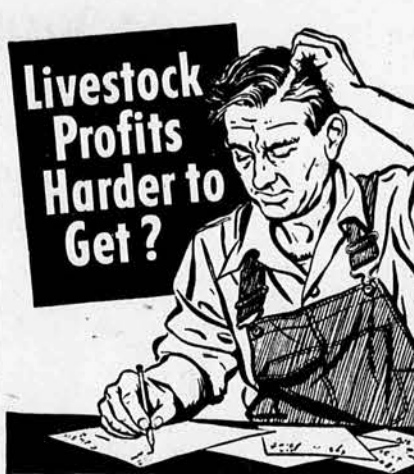
The world's largest commercial underground warehouse is being built in Kansas, near Loring in Wyandotte county. The huge cave will contain 500,000 square feet of floor space. It is being dug out of a 100-foot-high limestone bluff on a 540-acre site. Estimated cost of mining, equipping the warehouse, concrete floors, lights and refrigeration is \$1,000,000. The Natural Storage Company is developing the project.

Keep Eggs Cool

Keep eggs cool this summer, as temperature has more influence on egg quality than any other single factor. Paul E. Sanford, Kansas State College poultry husbandryman, states eggs should be gathered 3 times daily in wire or ventilated baskets and stored in the coolest spot on your farm. Before casing, eggs should stand overnight in ventilated containers. Also, eggs should be marketed frequently to help give the consumer a more desirable and higher quality egg.



"I know the art of self-defense. I yell for my big brother."



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TRACE MINERAL SALT

Most grasses and home-grown grains no longer supply enough vital minerals for proper livestock feeding. That's why livestock suffer from depraved appetites, emaciation, slow gains, brittle bones, etc.—why your livestock profits are not what they might be.

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BIG 6 has what it takes to raise thrifty, strong-boned profitable livestock—contains salt, cobalt, manganese, iron, copper and stabilized iodine. It's a low-cost way to safeguard livestock profits. Provide BIG 6 for all your livestock.

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



KEEP YOUR MACHINERY ON THE JOB WITH *"Lubri-tection!"*



Gerald McCarty,
R. R. 2, Kentland, Indiana,

Says— "I ought to know about tractors because I own and run four. Besides that, I've got two trucks, one jeep and two passenger cars. I've been using Phillips products since 1936. Sure, I've tried other oils, but I get the best results with Phillips 66 Premium." On his 750 acre farm, Gerald McCarty raises corn, beans, wheat and oats. He has an average herd of forty to fifty head of Angus cattle.

There are lots of good reasons why Mr. McCarty relies on Phillips 66 Premium Motor Oil . . . in his cars as well as his tractors. They all add up to one big fact: this oil helps him keep his equipment working. It can do this because of Lubri-tection—the Lubrication and Engine Protection you need and get with Phillips 66 Premium Motor Oil. Like Mr. McCarty, you'll find this oil helps cut down on overhauls. It's made to protect your engines from wear . . . to keep your engines on the job

PHILLIPS 66 PREMIUM MOTOR OIL

- Anti-Corrosive action (Helps cut engine wear)
- Anti-Acid Effect (Helps protect bearings)
- Cleansing Ingredient (Helps save fuel)
- High Stability (Helps keep oil from breaking down)



Hear Rex Allen and the Sons of the Pioneers every Friday night over C. B. S.

"Big Dam" Idea Won

(Continued from Page 10)

Credit controls will be eased, not strengthened.

Administration won (1) extension of a weakened control act; (2) possible continuation of right to order slaughter quotas; (3) principle of government controls.

The "fading away" of Gen. Douglas MacArthur apparently is not to be a speedy one. Speaking before a joint session of the Massachusetts legislature, General MacArthur last week laid down 4 comments on U. S. foreign and domestic policy:

1. The result of the war in Korea has been indecisive and "appeasement thereafter became the policy of war on the battlefield."

2. American foreign policy has become a "mass of confused misunderstandings and vacillations. The sorry truth is we have no foreign policy."

3. The costs of government have risen at "an accelerated, alarming, and reckless rate," and nothing is heard from Washington about the possibility of a reduction or limitation of these costs.

4. The survival of the free world is infinitely more dependent upon the

maintenance of a strong, vigorous, healthy and independent America than upon any financial aid which we might provide under our own existing stringencies.

In reference to his own summary discharge as Supreme Commander in the Far East, MacArthur declared the 3 reasons publicly stated "clearly demonstrate the arbitrary nature of the decision."

He said these were:

1. His warning about the strategic importance of the island of Formosa, to which the Chinese Nationalist government had retreated.

"Yet this viewpoint since has been declared by the secretary of state to be the invincible and long-standing policy of the United States."

2. His proposal to meet the Communist commanders in the field in Korea to discuss a cease-fire.

"For this proposal I was relieved of my command by the same authorities who since have so enthusiastically received the identical proposal when made by the Soviet government."

3. His reply to what he said was "a congressman's request for information on a public subject."



News of Kansas 4-H Clubs

By Gordon West

THIS Colorado vacation cost only \$35. Eighteen Shawnee county 4-H Club members and their leaders recently returned from an 8-day vacation, covering 1,200 miles. Merle Eye-stone, county club agent, drove the 10-year-old school bus that doubled as a bunkhouse for the girls at night. Boys pitched tents for their sleeping quarters. Some points of interest seen included Pike's Peak, Seven Falls, Cave of the Winds, Manitou Cliff dwellings, Colorado Springs Museum and Cheyenne Mountain Zoo. A stop at Denver included Denver Zoo and Museum and Red Rock Theater.

In one corner of the bus an icebox was placed so food could be kept cold. An old kerosene camp stove served to get all the meals. Before starting the trip, members brought eggs, butter, strawberry preserves, chickens, other items from their farms. And each girl baked 2 dozen cookies for the trip!

Double H Ranch was the starting place of the recent Anderson county 4-H tour, writes Jayne Rue Wyatt, county council reporter. Members stopped at various farms to judge beef cattle, dairy animals, swine and sheep. First-place individual in the competition was George Martz. The county council paid prize money to the high-placing clubs, high individuals and adults. Jayne Rue says the tour was "instructive as well as enjoyable."

Robert Richter, 16-year-old president of the 42-member Sunny Valley 4-H Club in Saline county, is a tireless club member who has spent half his life in club work. Bob and his folks, Mr. and Mrs. H. H. Richter, live near Salina. Bob is especially interested in livestock projects, with swine his favorite. In 1946, Bob won a Hampshire gilt as a prize in a Sears Roebuck essay contest. He was only 12 years old then, was one of 8 winners in his county. A 2-year-old sow, the queen of his Hampshire herd, took top honors at 4-H fairs in 1948 and 1949. Bob's colt, a frisky chestnut quarter-horse, will be entered in fair competition again this year. Other plans include a beef, crops and leadership projects. He's a champion at project work—in 7 years he's won 7

championships in various projects. His mother is one of the leaders of his local club.

Country Pals 4-H Club, Labette county, held a successful box supper event recently at Ellis Consolidated No. 4 school, and it netted them \$160.50. This active club has 46 members, and last year was selected as the outstanding club in the county. Judith Thygerson received an electric table lamp as a prize in a chewing gum contest. Many other prizes were won before club members presented an interesting program to round out the full evening. Bob Thygerson is club president. Leaders are Mrs. Lynn Brown and O. M. Stevens.

"What Ever Happened to?" Department: James Shaver won a "Leader of Merit" \$150 Capper Scholarship Award in 1941 when he was a Sherman county 4-H'er. In 1935 he exhibited the champion Shorthorn at the National Western Stock Show at Denver. At Kansas State College Jim became active in the Collegiate 4-H Club and in campus "ag" activities. Today, Jim is an active young Kansas farmer near Goodland, takes part in county and state agricultural organizations. . . . Helen Woodard was once Shawnee county's top 4-H member. In 1939 she was one of 4 Washington Trip winners. As a home economics student at Kansas State College she became active in the Collegiate 4-H Club. She served as secretary of that club, was business manager of Who's Who, state 4-H yearbook. She graduated from college in 1942. Today, she is Mrs. Clifford Dillon, lives near Topeka. There are 3 Dillon sons. . . . Willa Havely Schmidt, former outstanding 4-H Club girl from Mayetta in Jackson county, now is in California making good use of her home economics training at Kansas State College. She is head teacher of the Nursery School of the University of California, Berkeley. She and a fellow staff member of the Institute of Child Welfare recently issued a "Book List for Nursery School Children." At college she was president of the Collegiate 4-H Club and was a member of Mortar Board, senior women's honorary society.

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Prices from \$99.50 up. The digger you have been waiting for. Quick hitch to any tractor with power take-off. Fastest power auger return. Heavy bi-speed two flight auger. Safety clutch prevents damage, eliminates shear pins. Strictly one-man machine. Write today for digger facts, new low prices.



Silage Cap Reduces Spoilage

When properly installed in the silo, a silage cap is effective in keeping spoilage remarkably low. A report on several years of experiments with silage caps was given at the recent annual convention of the National Association of Silo Manufacturers at Chicago. Giving the report was Dr. Charles F. Rogers, of the Ohio Agricultural Experiment Station agronomy department, Wooster, O. Doctor Rogers, in co-operation with the Goodrich Company, developed this one particular type of silage seal, the silage cap.

It was stated users of the silage cap can make silage better, and make better silage and more of it than they have in the past. When the cap is used, temperature of silage goes down, there is less spoilage. The cap is put on, air is then shut off the silage, and temperature stays down.

"The idea is to put the cap on so temperature never rises. Bulk of silage never gets very warm, but on the exposed surface, air causes spoilage and the temperature rises," said Doctor Rogers. Because of the tendencies of some crops to spoil excessively, the cap was developed as a protective coating for the top of the silage. Spoilage can be reduced to increase the yield of silage from the silo.

The silage cap consists of the bottom sheet, and water in a tube which is always pressing the blanket against the wall. A cap can be left on during winter and taken off in spring. Ice freezing and thawing in tube does it no harm.

Hybrids Yield More

Experiments by Kansas State College last year indicated hybrid corn outyields open-pollinated varieties in Kansas an average of 22 bushels an acre. A. L. Clapp, agronomist at the college, says.

Clapp warned, however, that it is highly important to get the right hybrid corn for the section of Kansas where it is to be planted. The 1950 experiments also showed hybrid corn yielding highest in the northeastern district of Kansas outyields the lowest yielding hybrid 33 bushels an acre.

"Results of hybrid yields from the district in which a farm is located should be studied before selecting seed," Clapp says.

For the 1950 tests seed was supplied by commercial companies, certified growers, and the K-State agricultural experiment station.

Kansas farmers co-operated by providing acreages for the experiments. The 1950 K-State tests were on these farms. Max Moore, Highland; Forrest Parker, Whiting; Willard Moore, Gardner; Lloyd Jefferson, Garnett; Frank Leasure, Yates Center; C. N. Montgomery, Oswego; Orville Doyen, Rice; D. E. Williams, Sedgwick, and J. C. Vernon, Oberlin.

Add Another Floor

A basement room can be used for anything from a dining room to a recreation room if dry enough. This can be accomplished nowadays with refrigeration units that circulate and dry air. When one of the units is set up in a basement it circulates and cools wet air, causing moisture to condense out. The air can't hold as much moisture after it's cooled and a continual air-drying movement keeps basement walls dry. These units now cost about \$150, but it can mean an extra story on a house.

Off-Flavor Milk

To obtain the least off-flavor in milk from pasture feeding, allow cows to graze only a short time immediately after each milking, advises R. B. Maxcy, Kansas State College dairy husbandry staff. Altho feed may have a profound influence on milk flavor, most noticeable off-flavor is developed from pasture feeding, especially where there are weeds in the pasture.

Safety Conscious

The booklet, "Safety First in Kansas," with its 100 illustrations on how to prevent accidents should be in every home. If you haven't received your copy there is still time to order it. Please address Bulletin Service, Kansas Farmer, Topeka. There is no charge.

MORE YIELD FROM SMALL GRAIN WITH FERTILENE Liquid Fertilizer

Recent scientific tests by university experiment stations and farmers show evidence of marked increases in small grain yields when seed grain treated with liquid fertilizer before planting.

Fertylene liquid fertilizer is a highly concentrated compound made of the finest raw materials needed for plant growth. It is a "super-charged" solution containing 7% Nitrogen, 14% Phosphorus, 7% Potash, plus trace elements of Boron, Magnesium, Manganese, Zinc, Calcium and Iron.

TESTS SUGGEST THAT PHOSPHATE SOAKED INTO SEED IS 60 TIMES MORE EFFICIENT THAN APPLIED TO THE SOIL*

By applying Fertylene to your seed grain, you add a great deal of nourishment—ready for the seed to use immediately after germination. This helps develop better root structure and top growth in the early stages. It makes possible an impressive increase in your yield. Fertylene is not a cure-all. But where either the soil or the seed is deficient in elements necessary for growth building, the results have been outstanding.

*Tests Reported in Journal Agricultural Science, 1948

EASY TO USE—NO SPECIAL EQUIPMENT

It is easy to apply Fertylene. Just sprinkle over your seed grain, mix thoroughly on barn floor, tarpaulin or in cement mixer, and allow to dry before planting. Treated seed runs freely through the drill. Fertylene is safe from freezing to 40° below zero.

COSTS LESS THAN 60c AN ACRE

One gallon of Fertylene is diluted with 1/2 gallon of water. It will treat 12 bushels of wheat, oats, rye or barley seed. The cost is generally less than 60c an acre.

WHEAT GROWER SAYS: "About your fertilizer, have noticed that the wheat came up faster and grows faster than the unfertilized. And also the best stand I believe I ever had so far. For example, my neighbor planted 80 acres and used the fertilizer and it came right up and kept growing. And in the center he ran out of fertilizer, so he went ahead and planted without the fertilizer. It took that wheat (untreated) about a month to come up to where it looked like any stand at all, and very slow growing. My, what a difference."
—G. Mayes, Tegarden, Okla.

LANGDON, NORTH DAKOTA EXPERIMENT STATION. Superintendent Victor Sturlaugson says: "Recent tests showed a 41.7 bu. per acre wheat yield with application of liquid fertilizer to the seed, and 39 bu. per acre from untreated seed—an increase of 2.7 bushels per acre."

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Gentlemen:

Send me a five (5) gallon drum of Fertylene Liquid Fertilizer (enough to treat 30-35 acres) for \$18.75 including shipping charges. Enclosed is ☐ check, ☐ money order.

☐ Ship C.O.D. for \$18.75 plus shipping charges.

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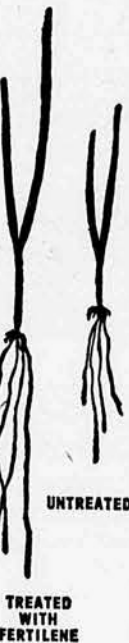
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"That's Where Friendship Ceases"

EVERYBODY likes to do business with his friends. And everybody likes to be friends with the people he does business with.

With W. P. Lawson, it works both ways.

Mr. Lawson is a big-scale farmer near Hamilton, Texas, and he also operates a cotton gin. His motorized equipment on his farms includes 8 tractors, 5 trucks, 2 combines, a hay baler, a corn picker and a cotton picker.

"I started using Conoco Products way back in 1932," Mr. Lawson writes, "because

your new agent and his truck salesmen were personal friends of mine.

"Friendship is a wonderful thing, and I believe in doing business with my friends. But not," he hastens to add, "at the sacrifice of results. If the products I buy from my friends don't do the job . . . well . . . that's where friendship ceases.

"But I'm still buying Conoco. And the reasons are three: First, I like your agent, Mrs. Janie Conner, and her truck salesman, Ted Conner. Second, the service they give me can't be beat. Third, and most important,

my long experience with Conoco Products has proved unquestionably that they are tops. Your new Conoco Super Motor Oil is giving me better results than I thought possible, in better performance, and in lower consumption of both lubricants and fuels. So we're all friends!"

This is just one of the many letters Continental Oil Company has received attesting to the friendliness that exists between Conoco men and farmers. And there's a reason . . . Continental has for many years studied the problems of farmers . . . made special efforts to understand the needs of farmers, to be able to serve them better. Why don't you try your local Conoco Man . . . a telephone call right now could be the beginning of a beautiful friendship!

"50,000 Miles No Wear!"

After a punishing 50,000-mile road test, with proper crankcase drains and regular care, engines lubricated with new Conoco Super Motor Oil showed no wear of any consequence . . . in fact, an average of less than one one-thousandth of an inch on cylinders and crankshafts. AND gasoline mileage for the last 5,000 miles was actually 99.77% as good as for the first 5,000! This test proved that new Conoco Super, with OIL-PLATING, can make your cars and trucks last longer, perform better, use less gasoline and oil.



Spaghetti Fruit Salad



... by Mrs. Leonard Ludemann
Randolph, Nebraska

2 cups spaghetti boiled and blanched
6 apples, peeled and cubed
1 can sliced pineapple, cut in cubes
1/2 cup lemon juice
2 cups powdered sugar
4 eggs
2 cups whipped cream

Beat eggs thoroughly, add lemon juice and sugar. Cook in top of double boiler until thick. Cool, add fruit and spaghetti. Let stand 12 to 24 hours. When ready to serve, add 2 cups whipped cream.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Dep't E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

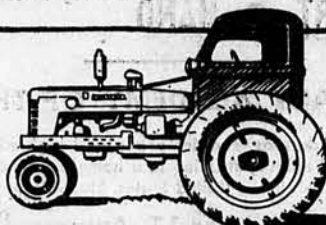
FARM KITCHEN

The Mail Goes Through



"I've got one of the toughest mail routes in Fremont County," states Alma Thomson, St. Anthony, Idaho, "yet I've missed only 6 days in 16 years of delivering! Naturally, I need a good motor oil to stand the 50-mile beating my car takes every day . . . and new Conoco Super Motor Oil certainly fills the bill. Since switching to new Conoco Super, I never have to add oil between changes."

Cab for Tractor



A 1936 Ford truck cab mounted on a Farmall tractor protects the driver from the weather, says Jerry Valvoda, R. 2, Cresco, Iowa. Fastened down with bolts, it's easy to remove.

Bolts for Concrete

To hold sill and building solid, make bolts from any wheel with round spokes, suggests Oscar Zeller, R. 1, Elgin, North Dakota. Cut spoke and section from wheel as shown, thread end of spoke, set in concrete.



SAWS FOR IDEAS!

Send your original ideas to The Tank Truck, Dep't E, Continental Oil Company, Ponca City, Okla., and get a genuine \$10.25 D-15 Henry Dieston Hand Saw for every idea that's printed!

YOUR CONOCO MAN