

Kansas Farmer



HOGS CAN balance their own diet on pasture when Earl Chase, Brown county, finishes this self-feeder for minerals, salt and supplement.



CHECKING self-feeders in lot. Three-day feed supplies in such feeders as this cut down chore time for Mr. Chase.

When you are just getting started . . .

You Need Good Equipment

GOOD equipment is a must on the farm these days," says Earl Chase, young Brown county farmer. A veteran On-the-Farm Trainee, he is farming a rented place but learned early that having the right equipment when you need it is an important point in good farm management.

"When you are just getting started it keeps you hustling trying to accumulate all the things you need," says Mr. Chase. "But giving up other things to get that equipment is worth it in the long run. I don't know how I could get along here by myself without equipment to do the work." He is raising hogs and wintering cattle, which means he has a lot of chores to do.

In his hog program, Mr. Chase found out in a hurry that pigs born in February get to market at a more favorable time than those born in April. "I had more time to handle my pigs in February, too than I did later on in the spring," he says, "but I also needed better housing for sows and pigs."

He finally decided to build several [Continued on Page 36]



TWO SHED-TYPE hoghouses pushed together and joined at ridge make a 6-sow farrowing house, and later can be moved to pasture separately for shade and shelter.



CHORE TIME is cut to a minimum with these 3 pieces of equipment. One complete scooping job is eliminated when feed is ground at the feeder, or where it is to be consumed.

- **Vacation Talk Already? Page 8**
- **Plant Enough Corn Page 22**
- **Add Variety to Spring Meals Page 28**

GET THE BEST TIRE for Year-'round Traction
GET THE RIGHT TIRE for Your Kind of Soil
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Only Firestone gives you all these features. Only Firestone gives you top traction performance in the tire of your choice—Open Center or Traction Center.

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Livestock Field Day Set for May 4

The 4th annual Livestock Field Day, May 4, will be at the Joe O'Bryan Ranch west of Hiattville in Bourbon county, C. G. Eiling, Kansas State College Extension animal husbandryman, states 4 classes of judges will compete for purebred Hampshire gilts that go to the winner in each class. Judging contest will be divided for adults, FFA boys, 4-H Club members, and on-the-farm trainees. They will judge 4 lots of feeder cattle, Hereford bulls, Hereford cows, Hereford heifers, Hampshire sows, Hampshire gilts, fat barrows and quarter horses.

County agents and other agricultural leaders will help conduct the contests. With good weather the expected crowd should be as large or larger than the 1950 crowd—2,500 persons—Mr. Eiling commented.

KSC Sweet Potatoes Receive Recognition

Two sweet potato varieties developed at Kansas State College have been recommended to U. S. farmers by the U. S. Department of Agriculture. The 2 varieties are Nancy Gold and Orllis.

R. I. Throckmorton, Kansas Agricultural Experiment Station director, says USDA recommendation means these sweet potatoes are accepted as standard, commercial varieties for the United States. He said this "speaks well for the sweet potato research work done at Kansas State College."

Nancy Gold variety was developed by Prof. O. H. Elmer, botany department. This potato is better suited to the Middle Atlantic area and western districts of the Middle West than Porto Rico, an old established variety. Orllis variety is described as similar to Yellow Jersey but with a more desirable color and higher vitamin content. Both varieties have excellent shipping and storage qualities. Recommendations are given in a recent USDA farmers' bulletin.

Boxcar Shortage Problem Studied

The critical boxcar shortage problem in the Midwest is getting national attention in Washington. Rep. Albert Cole, of Kansas, is planning to introduce a bill in the House of Representatives to get more boxcars into the Midwest for grain movement.

The proposed measure would authorize the Interstate Commerce Commission to increase daily rental charges on cars belonging to Midwestern railroads but used on non-owner roads. Representative Cole also states he favors staggering the dates on which Commodity Credit Corporation crop loans become due so government grain will not clog elevators or be moved when new crops are being harvested.

Officials of 6 states met recently in Topeka to study the boxcar shortage problem. Their proposals have been sent to Washington as aids in solving the problem.

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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Listen to the Voice of Firestone on radio or television every Monday evening over NBC

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Another Travel Treat Coming



You'll remember the traveling Williams family of Marshall county. Frances Williams thrilled us with fine word pictures of her trips through the Eastern United States. They appeared in *Kansas Farmer* during 1949. Let's "GO WEST" with them—up thru the Badlands of South Dakota, the Black Hills, the great stone faces of Mount Rushmore, how in reverence with thousands at the Black Hills Passion Play, visit the home of a great scientist, really see Yellowstone National Park, Glacier National Park, Washington, Oregon and California.

Mrs. Williams has been a farmer's wife more than 32 years, was born and reared in Jackson county, attended Campbell college at Holton, taught school several years. She writes in a comfortable, easy-to-read style which you will enjoy. Be sure to look for her first article in this new travel series in the April 21, 1951, issue of *Kansas Farmer*.

"Should I Plow It Up?"

By H. H. LAUDE, Kansas State College

FALL-SOWN wheat which fails to come up until in early spring ordinarily will produce considerable pasturage. For production of grain, such a crop is at a decided disadvantage in Kansas compared with wheat that comes up to a good stand and makes a normal growth before winter.

It is possible, however, for wheat which does not get started until late winter or early spring to make a fair to good yield if weather conditions are just right for it. But chances are against such a crop being successful.

Wheat that gets such a late start does not develop a strong root system

nor have a chance to stool, and probably for these reasons usually produces fewer heads than plants that become established in the fall. If the stand is thin, weeds may become serious. The crop ripens later than normal and is subject to greater damage from diseases, especially rusts, and to more injury from warm weather.

In view of the probability only a low yield of grain will be harvested where fall-sown wheat does not come up until spring, it usually would be advisable to prepare the land for some other crop such as oats, sweet clover, soybeans, corn or sorghum.

Five Named 1951 IFYE Delegates

KANSAS young people who will be 1951 International Farm Youth Exchange delegates to foreign countries have been named. J. Harold Johnson, state 4-H Club leader, announces 5 youths have been approved for the 1951 program. They are: Donna Elaine Cowan, Emporia; Dorothy Anna Vanskike, Arkansas City; Warren L. Prawl, Severance; Carol Jean Blackhall, Sterling; and Elizabeth Ann Elliott, White City. The countries each will visit include: Miss Cowan, France; Miss Vanskike, England; Mr. Prawl, Switzerland; Miss Blackhall, Norway; and Miss Elliott, the Netherlands.

Three of the 5 delegates are Kansas State College students: Miss Vanskike, Mr. Prawl, and Miss Elliott. Miss Blackhall attends Cottey Junior College, Nevada, Mo. Miss Cowan attends Emporia

State Teachers College. All are 20 years old except Miss Elliott, who is 19.

For each of these 5 delegates, Kansas may receive 2 foreign exchange students into the state. Object of the IFYE Program is to educate farm youth in international relations and promote world peace. A total of 50 youths over the United States will be chosen for the 1951 trip.

The 3 Kansas 1950 IFYE delegates wrote letters telling of their experiences in foreign countries. You'll remember reading these letters in issues of *Kansas Farmer*. Last year's group, all Kansas State College students, were: Mary Lou Edwards, Manhattan, who went to Wales; Dale Johnson, Salina, who went to Finland; and Ivan Schmedemann, Junction City, who went to Germany.

Spring Dairy Shows Start April 9

DATES for all spring dairy shows have been announced by E. Ralph Bonewitz, Kansas State College Extension specialist in dairy husbandry. Some districts, however, have not chosen the place where the show will be held.

Here is a list of the spring shows, by breeds:

Ayrshire: Northeast, Tonganoxie, April 9; North Central, Abilene, April 10; Mid-Kansas, Hillsboro, April 11; Central, Hutchinson, April 12; South Central, Wellington, April 13; Southeast, Ft. Scott, April 14.

Brown Swiss: Canton 4, Garden City, April 23; Canton 3, Medicine Lodge, April 24; Canton 2, El Dorado, April 25; Canton 1, Iola, April 26; Canton 5, Topeka, April 27.

Guernsey: Southeast, site not announced.

Holstein: Southeast, Parsons, April 16; East Central, Tonganoxie, April 17; Capitol, Topeka, April 18; Northeast, Sabetha, April 19; North Central, Washington, April 20; Central, Hillsboro, April 21; South Central, Harper, April 23; Ark Valley, Newton, April 24; West Central, Hutchinson, April 25; Northwest, Ellis, April 26.

Jersey: Northeast, not announced, April 23; North Central, Abilene, April 24; Central, Pretty Prairie, April 25; South Central, Wellington, April 26; Southeast, not announced, April 27; East Central, not announced, April 28.

Milking Shorthorn: Northwest, Wakeeney, April 16; Southwest, Garden City, April 17; South Central, Hutchinson, April 18; North Central, Ellsworth, April 19; Northeast, Horton, April 20; Southeast, Fredonia, April 21.

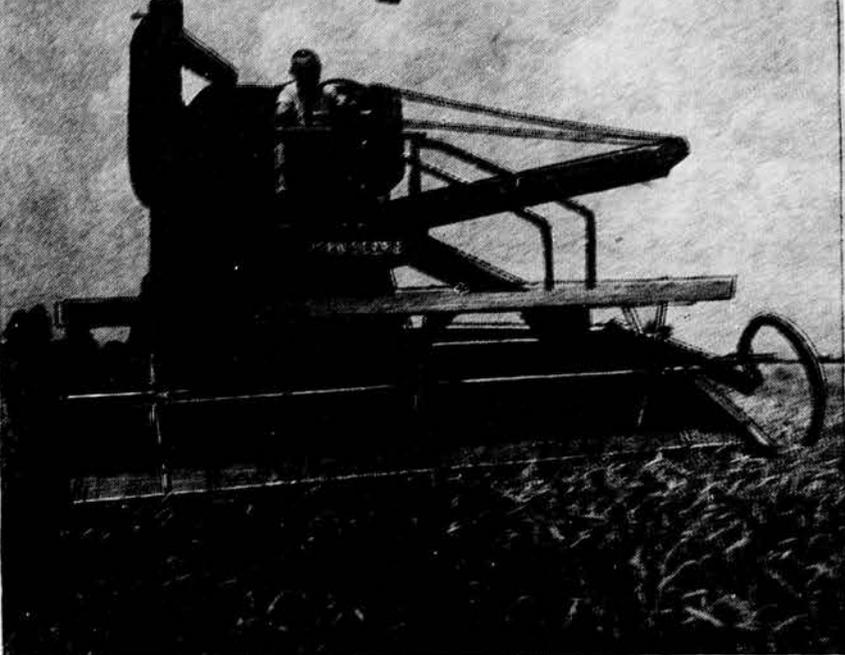
For Mother's Day

It is not too early to plan for an entertainment to honor mothers. One of our leaflets, "Mother-Daughter Banquet," offers suggestions for invitations, decorations, menu and entertainment. We can give your order prompt attention. Please address Entertainment Editor, *Kansas Farmer*, Topeka. Price 5c.

Feeding Heifers

Stock heifers which have been wintered on no grain, or not over 2 pounds of grain per head daily, can be finished by the usual methods of the Kansas deferred system. R. B. Cathcart, Kansas State College animal husbandryman, says these heifers can be pastured without grain from about May 1 to August 1. Then they can be full-fed for about 100 days.

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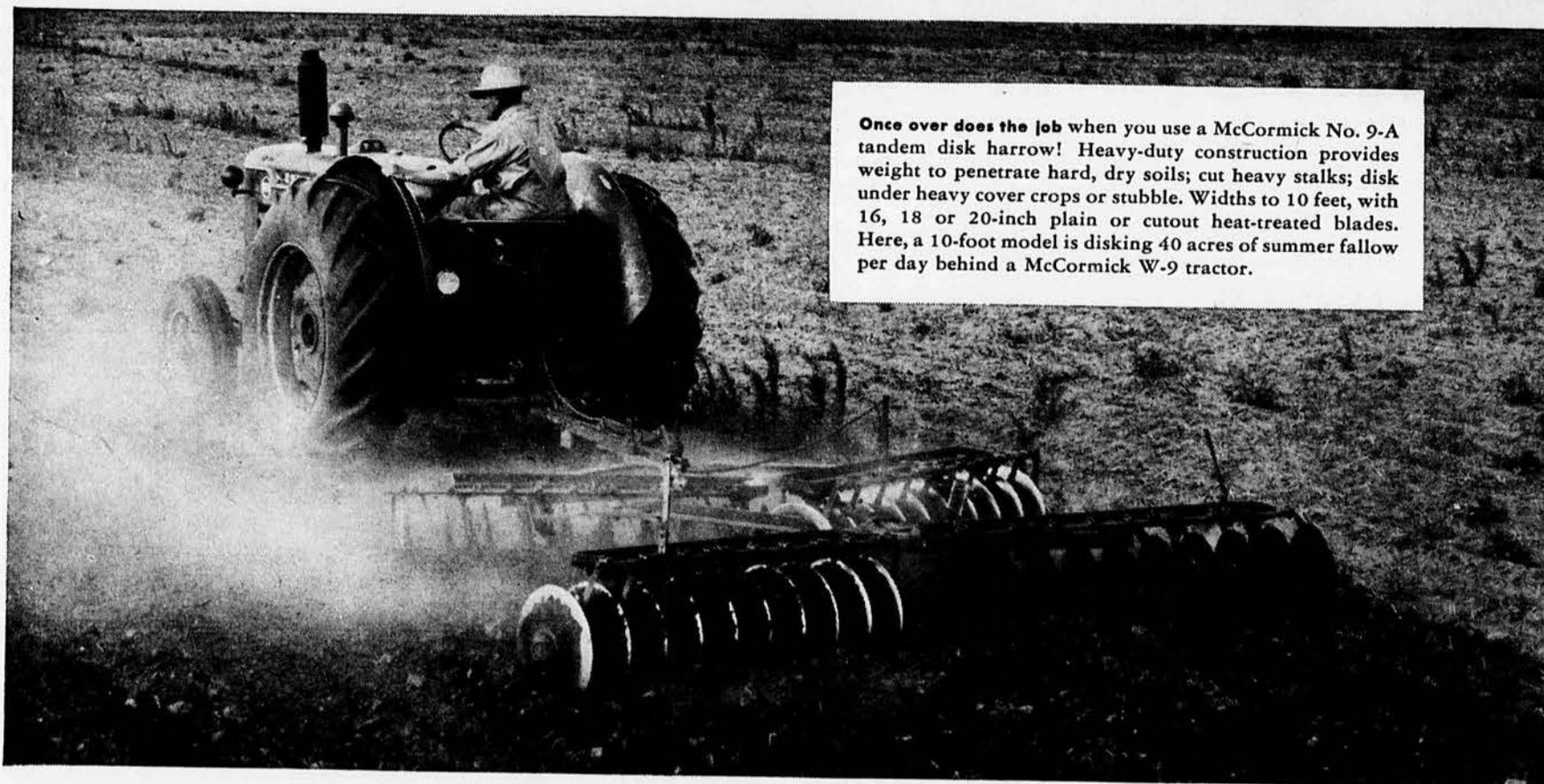
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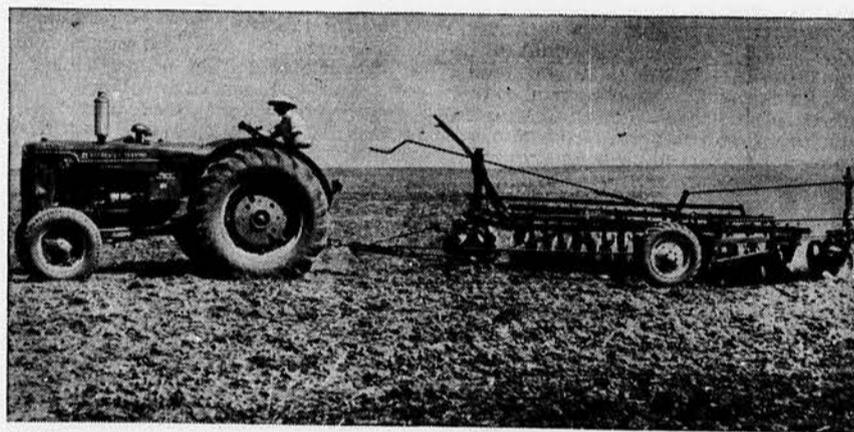


Once over does the job when you use a McCormick No. 9-A tandem disk harrow! Heavy-duty construction provides weight to penetrate hard, dry soils; cut heavy stalks; disk under heavy cover crops or stubble. Widths to 10 feet, with 16, 18 or 20-inch plain or cutout heat-treated blades. Here, a 10-foot model is disking 40 acres of summer fallow per day behind a McCormick W-9 tractor.

Stretch your time over **MORE ACRES** with *McCormick* heavy-duty tillage implements

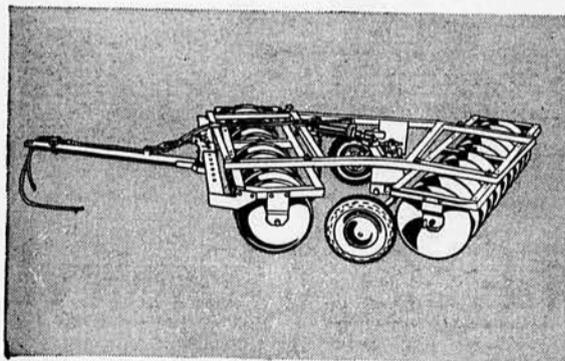


Seventy to 80 acres per day with this "team"!—a McCormick 18-foot, No. 18-A single disk harrow and McCormick WD-9 tractor. Snubber blocks keep the long gangs running level from end to end—you do a fast, thorough job with either 16 or 18-inch plain or cutout blades. Ends of gangs hinge back to take the disk through 12-foot gates.

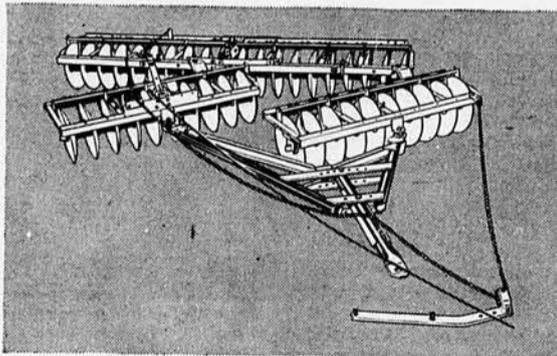


Mulch and plow in one operation with a McCormick No. 11-D-14 heavy-duty harrow plow. Sizes to 9 feet, 7 inches... with strength and weight to do a thorough, once-over job in the hardest soils. Front and rear furrow wheels are automatically steered to follow tractor on curves and corners without skidding or dragging. Above, No. 11-D-14 with WD-9 tractor.

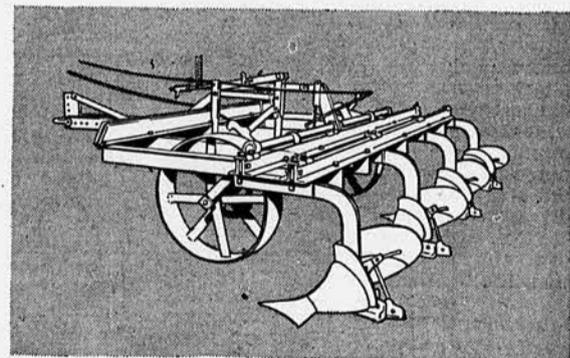
There's a FULL SELECTION of McCormick Heavy-Duty Implements for ALL your Tillage



McCormick 24-B Wheel-Controlled Offset Disk Harrow—Ample weight with big-diameter disks assures penetration in hard soils. Wheels regulate depth in soft soils and lift disks off ground for transport. Oil bath bearings. Manual or hydraulic control. Five sizes, 5¼ to 8¼ feet.



McCormick Squadron Disk Harrows—Rear gang is hinged in center, providing flexibility for uniform work on uneven ground. May be equipped with either manual or hydraulic angle control. Oil bath bearings. Five sizes—12, 15, 18, 21 and 24 feet—for tractors from 40 to 85 drawbar horsepower.



McCormick Cultivators and Tool Bar Carriers. A full line of types and sizes to match tractors of every power class. May be equipped with coil or rigid shanks, lister bottoms (illustrated), subsoiler standards, furrowers, sweeps or steels. Ask your IH dealer about the new McCormick stubble mulch carrier!



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International Harvester Builds McCormick Farm Equipment and Farmall Tractors... Motor Trucks... Crawler Tractors and Power Units... Refrigerators and Freezers

The Old Fellow gives his "rule of thumb." Different crops need different menus just like we do . . .

The ABC's of FERTILIZER

By JAMES H. GILLIE

AN EXPLANATION of how fertilizer works to improve crop yields and crop quality can be extremely complicated. This is true because there are so many grades used on so many crops on so many types of soils, under so many conditions of rainfall and climate. These variances make us scratch our heads and wonder whether there isn't some "rule of thumb" to follow.

There is no simple rule. Soil tests, hunger signs in crops, past experience, and college experiments all are needed to give best indications of what to use, when, how and where.

But there is one fellow who comes as close to having a "rule of thumb" as you'll find. He's an elderly fellow I met in a neighboring state. He made himself known after a meeting where several speakers tried to explain "all about fertilizer" to a large group of interested farmers. He approached the speakers following the meeting and said, "Good speeches, but you guys are too durned technical."

"What do you mean?"
"Just that. You guys get all wrapped up in your discussions of nitrates, sulphates, citrate soluble, and all that double-talk—and don't tell us farmers what to use—so we know what you're talking about." The old fellow looked like he was wound up and rarin' to talk.

One of the speakers, admitting the old fellow had a point, said "Do you know of any simple way you could explain how to use fertilizer?"

By his manner you could tell he was frankly a little skeptical.

"Well, son, as I see it, you got to think of fertilizer as plant food. It's not a lot of complicated chemical—it's just plain food for our soils and crops.

"We know most of our food comes from the soil thru plants and livestock. So it seems to me if we are going to get any good out of the food we eat, there must be *real* food in these plants in the first place. This food, the plants must get from the ground. Now, if the ground is poor and has no food in it then we can't get good food either. Follow me?"

"You mean we are what we eat! Yes, go ahead."

"Well, wouldn't that mean the soil and crops must have food just as we do? Just as we eat meat, potatoes and vegetables as our main courses, our crops have to have nitrogen, phosphate and potash. We know we eat meat because it's high in protein and it's the same reason plants need nitrogen. It's a protein producer. We eat potatoes to make us big. Just as plants need phosphate to build a big root system and make them grow in a hurry. We eat vegetables to help our muscle tone, to build our resistance to disease just as plants need potash to fill out the grain, put stiffness in the straw, and increase disease resistance."

"You figure then the various grades of fertilizer on the tag are plant menus just like the menus we order from?"



Dollars to donuts you'll make more money using fertilizer.

"Now you're getting it," continued the old fellow. "Different crops need different menus—just as we do. A grade like 5-10-5 might be like us eating beef, mashed potatoes and carrots. Or 10-20-0 would be like us eating steak and French fries with no vegetables. See?"

Without waiting, he kept on. "Now there are other things we know we have to eat for a balanced diet—like salad and bread and fruit. Well, the crops are the same way—they need calcium, sulphur, magnesium and many of the trace elements. They don't show on the tag any more than these other foods show on the menu you and I order from, but they are needed just as we need them."

"Now wait a minute, sir," the speaker said. "Does this theory of yours take into account the amount of plant food already available in the soil—or the amounts of organic matter needed? You'll admit that is much more important than just adding plant food to grow better crops."

"Sure my theory takes this into account. A farmer's got to have his soil tested to find out what plant food is already in his soil—just as a doctor would tell a fellow not to eat more potatoes if he was already too heavy. The organic matter, of course, must already be in the soil for the plant food to do a good job. We assume that just like we know that our own stomach has to be in good shape to use the food we put into it."

His Eyes Lit Up

"How about the lime most soils should have?" asked the speaker.

The old gentleman's eyes lit up as he closed the trap. "Would you try to eat with an acid stomach?" He grinned.

"Now about application of this plant food"—the old fellow was still pressing his point. "Again it's just like our own eating. We don't get much good out of our food if we don't swallow it. You've got to put the fertilizer into the ground rather than just on top to get the most good from it."

"How about time of application?"

"Well, when do we eat? Do we eat today, then wait a week before we eat again? No, we eat regularly. Some crops can't be fed after they develop their root system, but the soil can be fed most anytime of year."

The speaker added, "And if somebody asks about rainfall being needed to make these various fertilizers work, you tell him it's like us drinking water or milk or some other beverage. Is that it?"

"Sure, NOW YOU've got the idea."

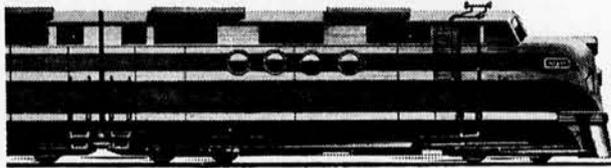
The speaker was fishing for some good question to blow up the old fellow's theory, but he didn't want to get trapped again. With the thought of drawing the old fellow into a misstep he asked half humorously, "How does your theory hold up when somebody wants to know about acid phosphate killing earthworms?"

"Ah, we all know that worms are like any other animal. They go where there's food. So if the soil is fertile, whether made that way by acid fertilizers or not, that's where you'll find earthworms"—the old gentleman hesitated—he caught the twinkle in the agronomist's eyes—"Doggone it, there you go again trying to get technical—tell the people your plant food has enough calcium in it to offset the worm's stomach acidity, too, if you want to."

All of us joined in the laughter. Here was a "rule of thumb" for fertilizer usage. It certainly isn't technical, it's as simple as the ABC's.



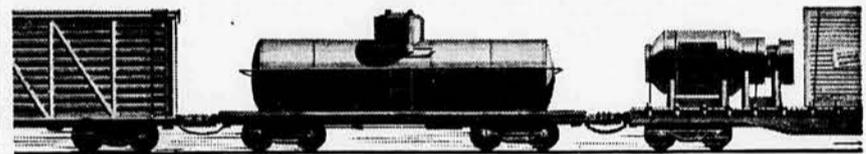
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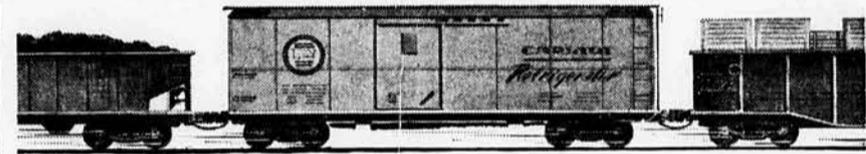
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"It's okay, but I don't seem able to stand up now."

No. 6 in flower series written by a man who grows them by the acre

Hardy Chrysanthemums Are Easy to Grow

By FRANK PAYNE

MANY years ago when I was a little lad, my foster mother grew only one plant of hardy chrysanthemum. It was planted near the south side of our house. Now, that plant tried hard to bloom each year but often failed. The heavy freeze would burn the blossoms because it bloomed extremely late, somewhere around Thanksgiving. That was 50 years ago, but I remember it as it seems only yesterday.

My, how hardy chrysanthemums have changed in 50 years! Some varieties now bloom by late August and most all of them by late October. What has brought about this change? Mainly it is due to several agricultural experiment stations, colleges and universities that have worked hard in improving and developing extra-early blooming varieties, and folks simply don't plant the late kinds. Colleges that did most of this work were located in Minnesota, Nebraska, Chicago, New York and other northern locations which, of

course, demand only earliest varieties. They have helped flower lovers in Kansas by their efforts in helping folks in their own states.

Hardy mums are easily grown from seed, cuttings or divisions. If you grow them from seed or cuttings it is best to do so in a greenhouse. So I recommend the average flower grower wanting mums had better stick to divisions using last year's clump to get good ones. Mums can be divided in this locality about May 1. Be sure to select a nice, sunny place right out in the open, or the south, in front of your house or garage where they are protected from cold north winds for your planting bed.

Hardy mums require good, rich garden soil, but remember they absolutely hate lime so keep your lime away from mum gardens.

Now, when your plant has grown 6 to 8 inches in height, pinch out about an inch of the center. This causes it to make a stocky, bushy plant so no stake

will be required. It also increases the amount of blooms on each plant.

Keep your mums well cultivated all summer, but only shallow hoeing because they do not root deeply. Water about once a week in summer and fall drouth periods by laying the hose on the ground and giving them a heavy soaking. Watch this carefully, do not turn on too much pressure. Watering top foliage might cause disease on the leaves and injure your crop of flowers. Summer mulching with grass clippings from your lawn will help conserve moisture.

Hardy mums as cut-flower bouquets will keep as long as 2 weeks in your home, if you will change water every 2 or 3 days and also break off a small piece from end of stem each time, so fresh water can feed up to the flowers.

You also can pot your hardy mum plants along in late August or early September and bring them into your home for house plants if you wish. Dig up plant carefully, leaving a ball of earth on roots. Use a large pot or an old 3-gallon pail that has holes punched in the bottom to allow drainage. Water heavily and set in a cool, shady place a few days until roots get started well, then place in sunny window and care for them as you would any ordinary houseplant.

Most hardy mums require a mulch for winter protection. Some varieties are naturally just difficult to winter over outdoors while others are extremely hardy. They can be mulched

"Forgotten Acres"

A booklet to serve as a guide in managing woodlands has been prepared especially for farm owners. It is entitled "Forgotten Acres." Timber, if properly managed, is one of the most satisfactory and profitable crops grown on the farm.

Another booklet, "Growing Walnut for Profit," will aid the timberland owner in the maintenance of walnut as a permanent crop tree.

Both booklets have color photographs and will be found most helpful. Please address Farm Service Editor, Kansas Farmer, Topeka, and we will have a copy of each booklet sent to you. The supply is limited so get your order in early. There is no charge.

with dry leaves, coarse hay or cornstalks. Now if you should have a Christmas tree and nothing else with which to mulch your mums, then don't worry and don't throw your tree away or burn it. Just cut the branches from that tree and spread them over your mums. It makes an ideal mulch without smothering small mum plants just peeping thru the ground in late winter.

Varieties of hardy mums are changing very rapidly due to new improvements each year. My son Merle has a large, hardy mum farm near my home and grows 80 of the newest and up-to-date varieties. I asked him to give me a list of 12 best varieties, all early bloomers, and also colors his visitors selected as the best choice of his entire list of 80. Here they are and I can vouch as to their superior quality as I saw and admired them, too, when they were in bloom last fall:

- Charles Nye, buttercup yellow.
- Wychwood, rich canary yellow.
- Sundance, bright yellow.
- Avalanche, creamy white.
- Betty, rose pink.
- Carnival, burnt orange.
- Alert, dark purple.
- Autumnsong, wine rose with carmine.
- Aviator, rich coppery red.
- Rustorch, bronze red.
- Apricot Spoon, apricot bronze.
- Myrtle Walgreen, amaranth purple.

Good-bye now, until late in August. Then I will be back in Kansas Farmer with 4 more timely flower articles as follows: PEONIES, TULIPS, LILIES and other FALL PLANTED BULBS, and last but not least, "How to put roses to bed for their winter protection."

Plant Warm Season Grasses in April

April is the time to plant warm-season grasses including big and little bluestem, switch grass, Caucasian bluestem, sand lovegrass, buffalo grass, sideoats grama and blue grama. R. C. Pickett, Kansas State College agronomist, says these grasses should be planted as soon as a good seedbed with adequate moisture is ready. Seed should be planted one-half inch or less and firmly packed. Weeds should be mowed the first year. Judgment on success of stand should be delayed until the second year.

Home Agent to Mexico

Connie McGinness, home demonstration agent in Grant county at Ulysses, has resigned to accept similar work in Mexico. She will be located at Zochmilco as an exchange agent in home art. This work is a UNESCO project.



"You like iodine—or mercuriochrome?"

I Can't Afford Cheap Seed Corn! I Get the Best—A Few Cents an Acre Buys a Lot MORE BUSHELS OF CROP!

PEPPARD'S FUNK'S G HYBRID

- fast starting
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Add up to BIGGER YIELDS

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The highest yield ever harvested in any official Kansas Corn Performance Test was made in 1949 with Funk's G-Hybrid corn. The official yield was 144.6 bushels an acre. (See Kansas Bulletin 342, pages 24 and 25.) Also 5 out of the 6 highest yields in the 1949 Kansas official tests (all over 123 bushels per acre) were made with Funk's G-Hybrids.

CONSISTENT YIELD RECORD HOLDER

On a farm and field scale and 5-and-10 acre basis throughout the entire Corn Belt, Funk's G-Hybrids hold more high and official records over a long period of years than any other corn. These are official records—not company sponsored and controlled.

YOU GET THE SAME SEED USED IN THESE OFFICIAL TESTS WHEN YOU BUY FUNK'S G

Consistently Good! **YEAR AFTER YEAR**

Tell your Peppard dealer your seed requirements now so that he can be sure of providing you with the best available corn crop protection. Write us for the name of your nearest dealer.

SPECIAL OFFER

We are furnishing field testing samples and instructions for G-1, F.F.A. & 4-H vocational classes

SEE YOUR DEALER TODAY

PEPPARD SEED COMPANY
1101 WEST 8th ST. KANSAS CITY, MO.

Sanitation methods and good management help . . .

Prevent Poultry Diseases

PREVENTION of disease in the poultry flock is an important step toward profitable return. And sanitation is one long jump toward prevention. Another is making certain new chicks or mature poultry brought onto the farm are free of disease.

Should disease strike your laying flock, all precautions of sanitation and management should be checked even more carefully. There are prepared remedies which can be used in case of many diseases which will help get the flock back on a healthy, singing basis. (Ideas on these remedies can be found in our advertising columns.) Unless you are positive of the disease and what you can do, call a veterinarian.

Plenty of Trouble

Certain poultry diseases, fowl cholera for example, once were a serious threat to the poultry industry. Now they have lost some of their importance. But other diseases cause poultrymen concern. Latest is Newcastle. A continuing battle is being waged against pullorum. The various forms of leucosis are causing trouble, and coccidiosis is still a danger, particularly to young birds from 2 to 4 months old.

But for practically all diseases, sanitation and management are important for prevention and control. That applies all the way from hatchery to brooder house, on range and in laying house. Hatcherymen have gone to some lengths in preventing disease, not just in the hatcheries, but for chicks in transit and even in their farm flocks. Succeeding steps in prevention are up to the producer.

A few precautions followed in the care of poultry houses can prove money-saving steps. Clean laying houses that are dry and well-ventilated are a must. And while being well-ventilated, laying houses must be free of drafts. That is the basis for the open-front houses that have greater depth. The open front provides fresh air and goes a long way toward keeping the interior dry. And where houses are 20 feet deep, better still 24 or 26 feet, drafts are reduced materially.

Keep Rodents Out!

Another point in laying house construction: Rodents and sparrows must be kept out. No sanitation program is complete if rats or mice or wild birds can find entry. Too often they are carriers of disease and parasites.

Also, visitors should be restricted from poultry houses and ranges. They can be serious spreaders of disease without being aware of it. Necessary service personnel such as blood testers, cullers and others, should observe precautions to prevent carrying disease to the flocks.

Clean, fresh water is another must in flock health. Probably the best watering system for laying hens includes a drain that will catch spillage and carry it away beneath the floor of the house. Then the trough or utensil itself should be portable so it can be removed and cleaned often. Many poultry diseases can be spread thru contaminated water.

Outside poultry runs can be a source of infection if not managed properly. Probably one of the best methods of insuring clean runs is to have several yards and rotate them with the home garden. A poultry lot in rotation with



Give me air!

the garden helps provide clean ground for chickens and improves soil fertility for garden.

Finally a system of health feeding can do much to prevent disease, at least decrease the severity. Even birds that have the run of the farm do not always have a balanced ration. You may find the best prepared feed is not the cheapest. Good prepared feeds reflect the many advancements that have been made in recent years in poultry nutrition.

You Can Vaccinate

Newcastle is much dreaded today among poultrymen. In a large measure good sanitation and management practices are best means of prevention. However, vaccination can be practiced. Many chicks hatched for broiler producers are being vaccinated. Also, parent flocks in many cases are vaccinated to give a few weeks of immunity to chicks.

But for most commercial flocks it seems most feasible to limit vaccination to all susceptible birds likely to be exposed. It can be used as a protective measure in thickly populated areas where there are no neighboring outbreaks of Newcastle. Vaccination also can be used as an emergency measure on farms at the beginning of an outbreak. In this case the flock will be benefited by vaccination.

If you plan to vaccinate as a preventative measure, it should be done before production begins.

One of Most Serious

Some poultrymen feel pullorum disease is highly over-rated. But pullorum is one of the most serious diseases of young chicks. Thru testing reactors still are found regularly in mature flocks. If left unchecked the disease quite probably would run wild and leave countless losses. However, the pullorum control and eradication program developed under the national poultry improvement plan has done much in recent years to prevent the disease. Chicks can be ordered today with reasonable assurance they can be raised to maturity without too much fear from pullorum losses.

The term leucosis characterizes a group of disease conditions which are not well defined. In its various forms it is one of the most destructive diseases. Range paralysis, big liver, marble bone, pearly eye; these and others are classified under the general term leucosis. Apparently the method of transmission is from hen to chick thru the egg. There may be other ways.

Altho federal research men have been working on leucosis in chickens for more than 10 years, little is known about prevention and control of the disease. And it is causing deaths in thousands of layers each year. Some compare our knowledge about leucosis in chickens with our knowledge about cancer in human beings. Much work has been done on both but actually little of concrete value has been gained.



"CUT IT AT THE RIGHT MOMENT"

The Golden Rule of Harvesting

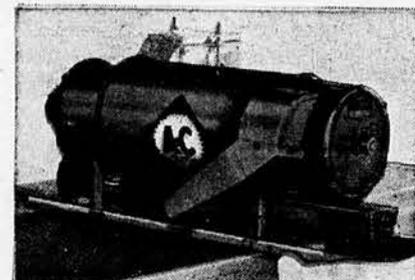
Over 3700 years ago (18 centuries before Christ), the above words were engraved in Babylonia on a clay tablet—the earliest known agricultural bulletin.

Today, the farmer who has his own ALL-CROP Harvester can demonstrate the truth of this ancient axiom. Built and priced for home ownership, the ALL-CROP Harvester is ready and waiting. When the zero hour for harvesting approaches, you watch for the exact shade of gold that shows the crop is ripe. Rubbing the kernels, you know they are fully matured.

Your ear tells you that the ALL-CROP is tuned for a safe, sure harvest. The wide rubber-faced bar cylinder is turning over at exactly the right speed, adjusted by the Quick Speed-Changer control. Rhythm of the oversize straw rack and cleaning shoe assures you that chaff-free grain, seeds or beans are pouring profit into the ALL-CROP hopper. Over 100 crops are harvested by this versatile one-man machine, including seeds from legumes that feed the soil . . . grass that holds it.

Be prepared this year to "cut at the right moment." You'll be wise to let your Allis-Chalmers dealer know *now* what your harvest needs will be.

ALL-CROP and ROTO-BALER are Allis-Chalmers trade-marks.



Reduce dockage by installing a Scour Kleen attachment. It removes weed seed and polishes grain as it is harvested—all done automatically.



New auxiliary motor is interchangeable with four A-C machines: ALL-CROP Harvester, ROTO-BALER, Forage Harvester and Blower. Hydraulic header lift is optional.



"Get out of this chicken house, rat, and stay out!"

ALLIS-CHALMERS
TRACTOR DIVISION • MILWAUKEE 1, U. S. A.



HISTORICAL OAKS give atmosphere to this camping scene at famous Lincoln Park, in Mitchell county, now a state YMCA camp. Group shown is from Solomon Valley Lutheran Federation.

What's This! What's This! Vacation Talk Already?

Ah, but just read the story and you'll find there is good reason. To enjoy famous, historical recreational area, you'll have to get your name in early

By **HENRIETTA BOYD**

LET'S take time to go camping this summer. All of us need a few days relaxation. It will pay dividends in the long run to have some fun during the busy season. Camping time will soon be here as the long, sunny days are just around the corner. So now in the spare minutes of leisure make plans for that summer outing.

One of the favorite camping spots in Kansas is Lincoln Park, located 1½ miles west of Caw-

ker City on U. S. Highway 24, in Mitchell county. It is, no doubt, one of the oldest and most historical recreational areas in the state.

This wooded tract of 30 acres is covered with a grove of oak trees experts from Kansas State College say are 1,000 years old. They believe centuries ago dense forest must have covered this region but some force, perhaps fire, changed the plains to grassland. Only the winding creeks

which encircled the oaks in a peninsular fashion protected them from flames. This outpost of forestry is an oasis at the edge of the Solomon River Valley.

Under shelter of these majestic oaks years ago summer homes were built, tents set up and Lincoln Park developed. All kinds of folks and kin came in carriages, livery buggies, or in the very first automobiles to camp and attend chautauqua programs. They heard such outstanding speakers as Maude Ballington Booth, the great philanthropist; William Jennings Bryan, the silver-tongued orator of America; also, a chorus trained by Donald MacGregor, of Toronto, Canada, did fine service for the assembly as well as others who appeared during the years. Mrs. Margaret Hill McCarter often was guest at the chautauqua camp and Lincoln Park was the scene of her book, "The Peace of Solomon Valley."

Then came a period of neglect for the park, when the oaks saw houses decay and fall to pieces. The camp was used only by local picnickers until G. W. Dockstader, prominent citizen of Mitchell county, purchased the tract and deeded it to the churches of the region to be used for religious, educational and recreational purposes. The [Continued on Page 35]



WELL-EQUIPPED kitchen and mess hall are available to camping groups and there is a full-time caretaker.



A SMALL CHAPEL is available at the park for devotional programs.



PICNIC GROUNDS at Lincoln Park are constantly being improved, but these folks don't need any more than open sky and an oven.



Farm Matters

AS I SEE THEM

TODAY I am going to go a little beyond details that affect farmers only as farmers. Because farmers after all primarily are individuals, citizens. And in my experience the most solid thinkers as patriotic citizens, and also by all odds the most individualistic of all our citizenry, are farmers, on the whole.

The country has been shocked, and understandably shocked, by disclosures brought about by 2 senate investigating committees in the last few months. I allude, as you have guessed, to the Fulbright committee investigating operations of the Reconstruction Finance Corporation. And also the Kefauver crime investigating committee.

I hear from members of our Kansas delegation in Congress frequently. In a letter that came to my desk this week I read the following from Rep. Myron V. George, of Altamont, the "freshman congressman" from the Third congressional district. Representative George comments:

"The Senate Crime Investigating Committee, headed by Sen. Estes Kefauver, of Tennessee, and the Senate investigation of the RFC chairmanned by Sen. J. William Fulbright, of Arkansas, have brought a sickening and shocking story of crime and lack of ethical standards threading themselves thruout entire political structure, national and local. . . It is hoped the public is shocked out of complacency and indifference into a new awareness of its responsibility and will demand drastic action."

I agree with Congressman George. Thru Congress, we must insist on a clean-up in the conduct of national affairs.

But the national picture is not confined to Washington and federal officials. It includes

state and local officials and affairs. As J. Edgar Hoover, FBI chief, testified, and is quoted by Congressman George, it is up to the people at the local and state levels to insist that their public officials do their duty and act against criminal elements; also that the people at home elect men who will do their duty, "since crimes of this sort cannot exist without the collaboration and connivance of local and state authorities."

Partly as a result of the criminal waste and extravagance and moral letdown that goes with wars, and partly as a result of national administrations that have followed the policy of seducing voters and minority groups with bribes of money from the federal treasury for individuals and special privileges for pressure groups, public morality has reached a low ebb in our country today.

Senator Fulbright stated it this way:

"Scandals in our government are not a new phenomenon in our history. What seems to be new about these scandals (in connection with the RFC) is the moral blindness or callousness which allow those in responsible positions to accept the practices which the facts reveal."

I say we need a revival—I almost would say a religious revival—of moral standards and personal integrity. We need a return to moral integrity in high public officials, in lesser public officials, in business and industry and social life, and in ourselves as individuals.

One of the most deplorable facts in connec-

tion with the RFC disclosures—and this observation goes far beyond unsavory ramifications of the RFC investigations—is the extent to which so many people seem to measure the "integrity" of a public official by his ability to "stay within the law" in prostituting his office to the financial or other advantage of his friends or "clients," at public expense.

It is a sad, but historical, fact that once the leaders of a nation or a people lose their sense of public morality and personal integrity, that same leadership cannot and will not restore public morality, nor personal integrity in public life.

The reformation has to come from below, from the revival of morality and integrity in the people themselves. I think that is what J. Edgar Hoover had in mind when he admonished that it is up to people to insist that their local and state officials do their duty, "since crimes of this sort cannot exist without the collaboration and connivance of local and state authorities."

In other words, the regeneration of America will have to start at home. It will come from the rebirth of integrity in individuals; these will spread the regeneration to communities; these communities will carry it on into public life and public officialdom at home; then to the state; and ultimately the regeneration will reach into national public life.

This country needs a good old-fashioned revival.

Arthur Capper

Topeka.

What Has This to Do With Farmers?

By CLIF STRATTON

Kansas Farmer's National Affairs Editor

HEADLINE in papers last week: "Fulbright in Plea for Moral Revival." Underlying the deterioration of public and private morality in the United States today is the greed for power and profits that is corroding the character of the private citizen, and corrupting the morals of public officials and those seeking government favors.

Power (thru patronage and government jobs and use of government funds) has become the paramount objective of too many in politics.

The increase in power of government has been noticeable in the United States the last 2 decades.

This increase in the power of government has been accompanied, inevitably, by a corresponding whittling away of the rights and freedoms of the individual.

Grab for Power

As Frank Chorderov puts it neatly: "Any course that tends to increase the power of the individual must deplete the power of the individual."

This grab for power, not just power in government, but also for power over business, over agriculture, over labor down the road; power over the lives and living of the individual citizen, has not been confined to Washington, altho it stems from there.

It has been, and is, evident in state capitals; in city commissions and city councils; in school boards; and of course in the bureaus and agencies of all branches of government.

The Federal Government has one great advantage over state and local governments. The Federal Government can and does print money; it can and does incur bonded indebtedness without getting consent of the voters or taxpayers. These bonds then become the basis for more printing-press money—the national debt is the basis of national credit," the Planner type of economists explain ponderously.

Of course, what this and other advantages of the Federal Government over state and local governments mean

down the road is simple, viewed in the light of past and present history over the world.

City machines, the state machines, are just building up their own powers in their respective areas so the police state, when it arrives, will take over them and their powers, also.

The same applies to various pressure groups which have been coercing and blackmailing legislative bodies for special privileges and government favors. They will find themselves bucking a stone wall when the Frankenstein they are helping create emerges as the all-powerful state.

To get a better understanding of what is going on in America today, a passing review of the formation and adoption of the U.S. Constitution might be helpful.

The Founding Fathers tried to work out a balance of power in government. They feared almost equally the brutally intelligent tyranny of the all-

powerful ruler and the stupidly ignorant tyranny of the mob.

They ruled out the all-powerful ruler: monarchy.

They ruled out also the mob: pure democracy, which history had taught them degenerated into demagoguery.

Instead, they attempted to create a representative democracy; the better term is a republic.

A Balance of Power

They attempted to assure the permanency of the republican form of government by creating a balance of power among the legislative, the executive and the judicial branches of the Federal Government.

The legislature would enact the laws, the executive would enforce them. The judiciary would interpret the laws written by the legislature in the light of the Constitution; it also would "police" the enforcement by the executive.

In the Constitution the founders very carefully—they hoped—had crimped the power of the Executive by retaining in the Congress the authority (1) to issue money; (2) to appropriate money; (3) to levy taxes; (4) to make war.

They knew from history what many of our leaders today seem ignorant of, that a sovereign who could issue money, appropriate money, levy taxes, and make war at his own will, could and (somewhere along the line) would make the citizens the vassals, the subjects, of the State.

The power of Congress to control the issue of money went by the board back in 1934, when a subservient Congress made it a crime for a citizen to own monetary gold or even gold certificates, and made paper money the only legal money. This power over money was amplified and solidified by the Executive's use of the Federal Reserve Act to compel banks to absorb government bonds—thereby making it

possible to "monetize" the national debt.

Transfer of the appropriating and taxing powers from Congress to the Executive was accomplished in fact—not in name, of course; Congress still goes thru the motions—thru the usurpation of the warmaking power by the Executive.

President Franklin D. Roosevelt took the United States into World War II months before he got a Pearl Harbor to insure public opinion backing the formal declaration of war by Congress:

Today the United States is waging war in Korea—not by declaration of Congress but by decision of the President behind the camouflage of the United Nations.

The response of Congress in the fields of appropriations and taxation has been automatic, when faced by a war emergency. It appropriates money and increases taxes.

True, Congress is balking at present on appropriating for the entire socialistic welfare state program demanded

(Continued on Page 37)

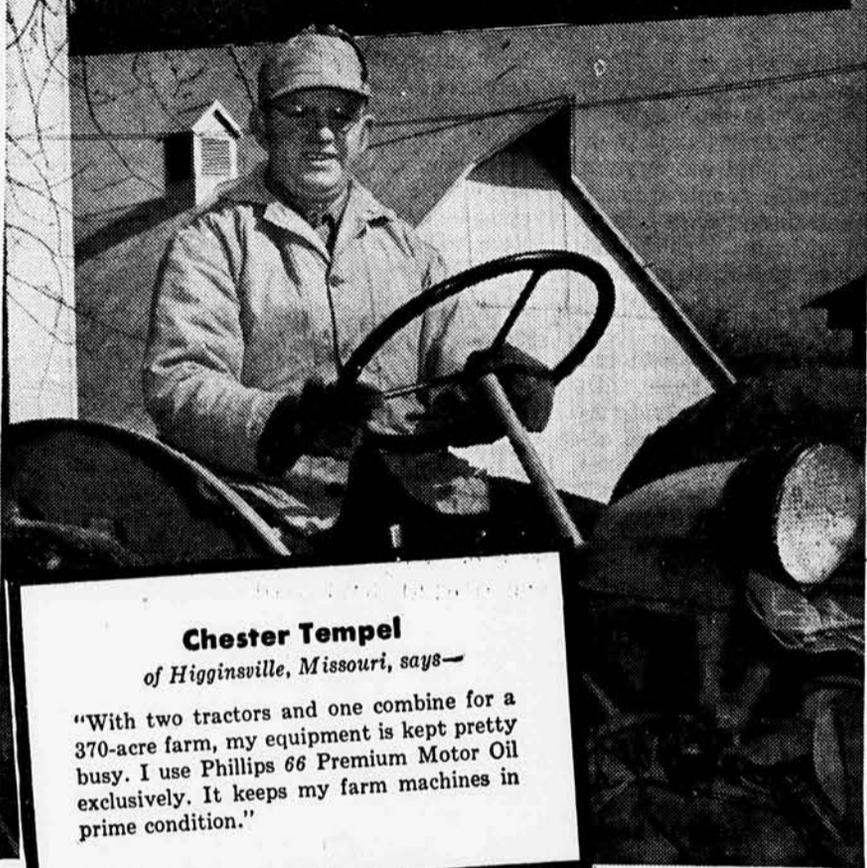


"How about puttin' a little muscle behind it?"



"Don't you think we're seeing too much of each other?"

**"GOOD MOTOR OIL
PAYS OFF FOR ME"!**



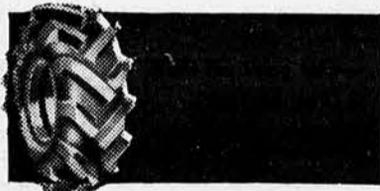
Chester Tempel
of Higginsville, Missouri, says—

"With two tractors and one combine for a 370-acre farm, my equipment is kept pretty busy. I use Phillips 66 Premium Motor Oil exclusively. It keeps my farm machines in prime condition."

NEW "Lubri-tection"!

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

New anti-corrosive action! New anti-acid effect! New cleansing power! New ultra-high stability! Phillips new method of processing fine selected crudes subjects the oil to less heat. Naturally Phillips 66 Premium Motor Oil retains its fine lubricating qualities. It resists decomposition better . . . clings better to metal surfaces . . . protects better than it ever did before. So when you have expensive machinery, it's good sense to take care of it with the new, improved Phillips 66 Premium Motor Oil. For improved "Lubri-tection" get new Phillips 66 Premium Motor Oil from your Phillips 66 Dealer or Tank Truck Salesman.



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



See High-Pressure Fog



VISITORS at field demonstration on H. L. Bryan farm, Leavenworth county, watch as high-pressure fog spray is demonstrated for killing trees in pasture.

National Ayrshire Meet Comes to Kansas

FIRST time in history, Kansas will play host this year to a national dairy breed association meeting. The Kansas Ayrshire Club announces the National Ayrshire Breeders Association will hold its annual meeting and sale at Hutchinson, May 4 and 5. Some 800 visitors from all over the United States are expected to attend. Consignments of cattle will be coming in from all parts of the country, too, as well as some imported stock.

Several of the nation's outstanding personalities are planning to make consignments and to attend the meeting and sale. They include C. E. Wilson, president of General Motors; Mrs. Fowler McCormick, wife of the head of International Harvester, and Ezra Stone, better known to radio listeners as Henry Aldrich.

Meetings of the association will be held at the 4-H encampment building on the Kansas State Fairgrounds, at Hutchinson. The national sale will be held in the 4-H livestock building.

According to officers of the Kansas Ayrshire Club, Kansas has the largest Ayrshire population, as well as largest number of individual breeders west of the Mississippi. Kansas also has high-

est percentage of classified Ayrshires and highest percentage of cows on official test in the nation today.

The Kansas Ayrshire Club, organized 33 years ago with fewer than 20 members, has grown steadily to its present membership of over 150 located in every corner of the state. There now are more Ayrshire herds on official HIR test than any other breed in the state, it is claimed.

Growth of the Kansas Ayrshire Club dates back to one cow's record—that of Canary Bell, a Kansas State College cow which made the highest Ayrshire record in the United States in 1918, and the greatest record of any cow of any breed in Kansas up to that date. Canary Bell produced 19,863 pounds of milk and 744.51 pounds of fat—still a good record.

Taking the lead for Kansas in sponsoring the national show and sale are officers of the Kansas Ayrshire Club. They include Dwight E. Hull, El Dorado, president; John C. Stephenson, Downs, vice-president; and Mrs. John Keas, Effingham, secretary-treasurer. Mrs. Pearl Nieto, Hutchinson, is publicity chairman, and G. Fred Williams, Hutchinson, is sale manager.

Agricultural Mobilization Committee Named

THE Kansas USDA Council has been dissolved, following a recommendation of Secretary of Agriculture Charles F. Brannan. But the Council has been replaced by the Agricultural Mobilization Committee. Emmet Womer, state PMA chairman, has been named chairman of the committee for Kansas.

The new Mobilization Committee is made up of the same 15 state and federal agricultural agencies which formed the USDA Council. Duties of the new group are primarily those of developing agricultural production needed for national defense. Members of the committee indicated they would

continue to carry out work of the dissolved USDA Council.

Surveys to determine shortages of materials and facilities required for farm production will be conducted under the committee's supervision. Duties will include helping fill shortages and getting facilities their survey show are needed.

County agricultural mobilization committees are being formed. Members will include county representatives of state and federal agricultural agencies. County PMA chairmen will be chairmen of the new committees. County USDA Councils are being dissolved.

Year-Around Job



SPRAYING TREES and brush for control or eradication is now a year-around job. H. L. Bryan, Leavenworth county, owner of the farm, here shows crowd at field day how he sprays brush and small trees during dormant period. Very good kill has been obtained.

the HARVESTORS

SELLOUTS YEAR AFTER YEAR!



HARVESTORS HAVE THE REPUTATION FOR LOWEST COST HARVESTING PER BUSHEL, PER ACRE, PER DOLLAR INVESTED!

You get *all* your crop when it's ready . . . at lower cost than ever before with MM HARVESTORS. Dependable MM HARVESTORS assure superior performance in *all kinds of stands*—heavy crops, down grain, light crops—under *all field conditions*. Quality MM HARVESTORS are built to get all grain and seed crops with real money-saving economies of time, work, and fuel. They're built to take the year-after-year punishment of honest, hard work . . . to do a better job in every crop, at *lowest cost!*

CHECK THESE QUALITY FEATURES!

STRAIGHT-THROUGH CONSTRUCTION provides complete cutting, threshing, separating, and cleaning mechanism. **SINGLE UNIT CONSTRUCTION** balanced over the main axle for light draft and easy handling. **EVEN FEEDING** prevents piling up or slugging and gives best threshing results. Conveyor, two beaters, and metal curtain spread out unthreshed grain before delivery to cylinder. **RASP-BAR CYLINDER** and **ONE-PIECE, WELDED STEEL CONCAVE** and **GRATE**

provide *gentle rubbing action*, similar to rubbing out grain between your hands . . . eliminate cracked grain and shredded straw. **EXCLUSIVE GRAIN PAN DESIGN** eliminates bunching of grain at sides or ends. **CLEANING SHOE LEVEL** may be regulated while on the go, regardless of the tilt of the HARVESTOR. **UNI-MATIC POWER** gives single-lever hydraulic control of cutting heights while on the go.

AN MM HARVESTOR FOR YOUR FARM

From the HARVESTOR 69 to the mighty Self-Propelled with a Powerflow drive—there's a dependable MM HARVESTOR equipped with header for "one-trip" operation or with a pick-up attachment for windrowed crops. In grain, beans, seeds, rice, flax—in every crop that must be harvested—you do a *better job easier* and at *lower cost* with MM HARVESTORS.

Ask your MM Dealer to give you all the facts about the famous 12 ft. pull type MM HARVESTOR, the HARVESTOR 69, the Self-Propelled HARVESTOR and famous MM WINDROWERS in various sizes.



Quality Control IN MM FACTORIES ASSURES DEPENDABLE PERFORMANCE

MINNEAPOLIS-MOLINE
MINNEAPOLIS 1, MINNESOTA



Now **NEW IDEA** Offers Two Best Buys in Side Rakes



- both instantly reversible for tedding
- one just right for your requirements



New! **NEW IDEA** No. 45-G Side Delivery Rake and Tedder: Drive wheels are equipped with 5.50-16 traction type tires (as compared with 44" wheels on No. 4 Rake shown above). Provides fullest possible clearances for free movement of hay; "up-and-down" reel action; protection against tooth breakage; fully enclosed gears running in oil—plus all the other farm-proved advantages of the popular **NEW IDEA** No. 4 Rake.

If you lean to a tractor rake with lower slung running gear ... and want the ground-hugging traction of husky implement tires ... you'll find the brand-new **NEW IDEA** No. 45-G Rake "just what the doctor ordered."

Or perhaps your soil and crop conditions call for a higher-wheeled rake. If so, you'll also find **NEW IDEA** fills the bill best ... with the now famous **NEW IDEA** No. 4 Side Rake ... available on steel-rimmed or rubber-tired wheels and favored by thousands of farmers.

Both feature the same rigid, trussed arch frame—built like a bridge and every bit as rugged. Both are equipped with a sag-proof, 4-bar spiral reel that yields instantly to any obstruction. Both have self-aligning sealed bearings on tooth bars.

And *only* **NEW IDEA** Rakes give you detachable, double-curved teeth; springy, oil-tempered and positive in pick-up; unequalled for thorough but gentle windrowing and tedding.

If you *need* a new rake, choose one that best meets your needs—the kind you'll find on display at your **NEW IDEA** dealer's. A round-up of its many extra-value features will restore your faith in the buying power of your dollars!

Another reason why a **NEW IDEA** is a good idea!



Mail coupon today for free folders!

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DIVISION **AVCO** MANUFACTURING CORPORATION

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Send free folders as follows:

<input type="checkbox"/> 4-Bar Tractor Rakes	<input type="checkbox"/> Manure Spreaders
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<input type="checkbox"/> Hay Loaders	<input type="checkbox"/> Corn Pickers
<input type="checkbox"/> All-Steel Wagons	<input type="checkbox"/> Corn Snappers
<input type="checkbox"/> All-Purpose Elevators	<input type="checkbox"/> Hand Shellers
<input type="checkbox"/> Transplanters	

Name _____

Address _____



Here's the Answer to **YOUR QUESTION**

Q. Why are so few young Kansans interested in fruit growing?

A. Young Kansans whose families were engaged in fruit growing in the thirties and early forties remember many crop disappointments, tree losses and poor financial returns. Hand labor requirements and long-term investment involved contrasted with the good returns, have kept many from following fruit-growing interests of their parents. Another factor has been mechanization of general crop farming. In many cases, a group not previously connected with orcharding will be more interested.

Q. How effective have the all-purpose sprays proved?

A. All-purpose sprays for home fruit plantings have given satisfactory results when applied often enough. To get good results, early and frequent sprays are required most years.

Q. How about dwarf fruit trees?

A. They have a real appeal to both home and commercial fruit growers. Unfortunately, we have had little Kansas experience with them. Ability of these rootstocks to withstand wide extremes of temperature and moisture is still a question. Likewise, varieties vary in adaptation to the several rootstocks. In apples, the Malling Series I-XVI includes rootstocks that vary in their effect on tree growth from extreme dwarfs to full-size trees. Try some of the dwarfs using adapted Kansas varieties. As a rule, dwarf trees will bear earlier.

Q. Are dual-purpose plantings (fruit and ornamentals) practical for Kansas?

A. Such plantings are practical where space is limited and the 2 values can be combined. Sour cherries and pears are 2 units commonly used this way. There are several others that can be handled in this manner.

Q. What is new for fire blight, if anything?

A. Dithane Z78 with Triton has been used as a spray in some apple orchards to control fire blight on apples. During the time they are blooming, 1 or 2 sprays are applied.

Q. How early should first sprays be applied for curculio control?

A. First spray should be applied when petals start to come off. Another spray should be applied as soon as the shucks start to come off.

Q. How much may pneumatic pruning equipment be reasonably expected to speed up pruning operations?

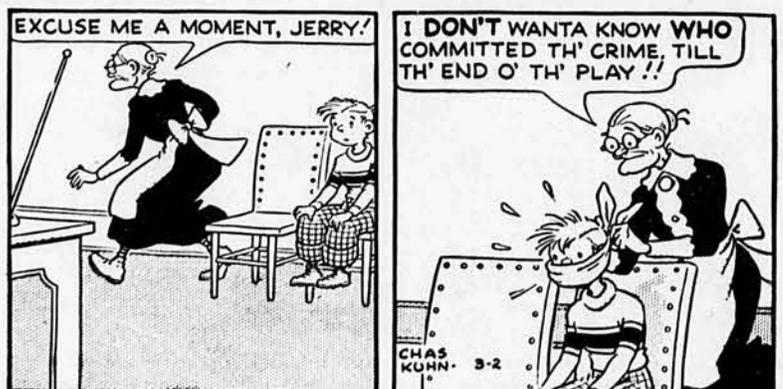
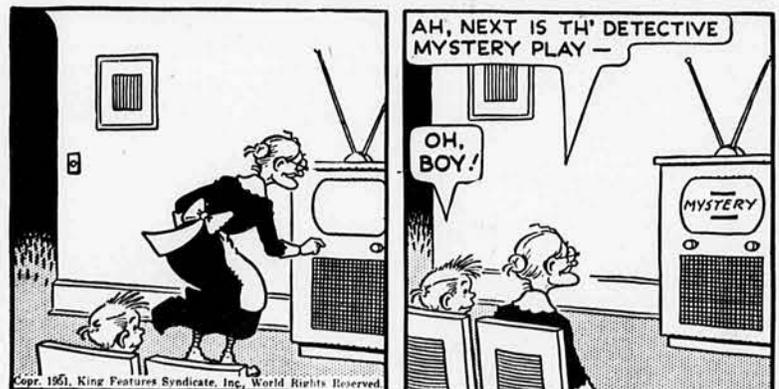
A. On young trees, amount of pruning can be doubled and often tripled by use of power pruners. On older trees, amount of work gained will not be quite as great, but with experience a good advantage will be obtained. Better time probably will be made on pruning peach trees than apple trees since pruning is not as detailed.

Q. Is it practical to topwork mature apple trees to different varieties?

A. Apple trees in most cases were injured by the 1940 freeze. Their average lifetime has been shortened by this damage, making topworking of these old trees a doubtful project under these circumstances.

(Editor's Note: Answers in this Question and Answer column are by William G. Amstein, Kansas State College Extension horticulture specialist.—R. H. G.)

GRANDMA . . . By Charles Kuhn



CHAS KUHN 3-2

1950

JANUARY

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

FEBRUARY

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
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MARCH

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26	27	28	29	30	31	

APRIL

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MAY

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JUNE

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JULY

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²³ / ₃₀	²⁴ / ₃₁	25	26	27	28	29

AUGUST

SUN	MON	TUE	WED	THU	FRI	SAT
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27	28	29	30	31		

SEPTEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
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3	4	5	6	7	8	9
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OCTOBER

SUN	MON	TUE	WED	THU	FRI	SAT
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22	23	24	25	26	27	28
29	30	31				

NOVEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
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19	20	21	22	23	24	25
26	27	28	29	30		

DECEMBER

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
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17	18	19	20	21	22	23
²⁴ / ₃₁	25	26	27	28	29	30

Where were you on the night of December 1st?

We don't know how you were making out with *your* budget on the night of December 1st—but, on an annual basis, we were within an hour or so of reaching our "break even" point.

Let's divide all the money Standard Oil took in last year equally among the 365 days, Sundays and holidays included.

Well, then, all the money that we took in from **January 1 up to noon of August 2**—213½ days, or 58.5% of the year—was our cost for materials, transportation and wear and tear. These items compare roughly to what it costs you to feed, clothe and house your family. They're living expenses.

All the money we took in from noon of **August 2 until the early afternoon of October 7**—a shade over 66 full days, or 18.1% of the year—was paid out in taxes, including our own taxes and those we collect from customers for national, state and local governments. This doesn't include "hidden" taxes, however; we and you both work a good many more days every year to earn the money it takes to pay them.

All the money we took in from the afternoon of **October 7 until the night of December 1** was spent for wages, salaries and employee benefits. We worked 15.2% of the year, almost exactly 55½ days, to earn enough to pay wages and benefits for our 46,700 employees—but our total payroll, big as it is, is still less than what we pay for taxes.

So there we were, at midnight of **December 1**, within an hour or so of having enough money in to meet all our expenses. From then until the end of the year, what we took in was called our profit—and this is what happened to it:

The larger part—the money we took in during 5.5% of the year, the 20 days up to the night of December 21—we used in the business to expand and improve the facilities with which we serve you. The rest, the money we took in during 2.7% or 10 days out of the whole year, was paid to our 96,000 owners in the form of dividends.

Standard Oil Company



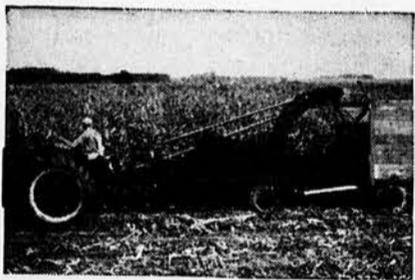
Farmers Tell Why They Like the CASE FORAGE HARVESTER



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GRASS SILAGE is cut, chopped and loaded in a single one-man operation by use of the cutterbar unit. It cuts full 4 1/2 feet. Engine attachment (extra) permits fast work with light tractor.



CORN SILAGE up to 16 tons an hour can be harvested in good corn by one man with 3-pfow tractor. Saves broken and blown-down stalks that too often are missed.



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IT'S LIGHT RUNNING
IT'S FAST

"I looked over all makes of forage harvester, chose the Case. I am highly pleased with its performance, especially the cutting it does, and with the pick-up," writes C. E. Cross. "Have harvested 110 acres of green grass. Machine operates easier and faster than any," says John Hughes. "We are able to cut finer and put more silage into the same space," says Gregor Barthel. "Simplicity of the machine is an added advantage as to upkeep, and its light running always makes an impression."

The Case Forage Harvester works well with a full 2-pfow tractor, faster with 3-pfow or larger size. Get full details from your Case dealer.

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Thoughts TO LIVE BY

Silence, a Source of Strength

THE person who hasn't time to read this article is the one who needs its message. Many people live under such pressure they seem to be attuned to tension. Noise, confusion and anxiety dominate their lives. If they live at this pace long enough, they will break. As God has given us the day for work and the night for rest, so relaxation as well as work must be included in one's program. One's tempo should change repeatedly for best results.

Isaiah, one of the Hebrew prophets, carried both a political and ecclesiastical burden. He had the weight of a great responsibility. His sagacity may be measured by one of the principles he discovered: "In returning and rest shall ye be saved: in quietness and confidence shall be your strength." To fulfill his obligations, Isaiah found it necessary to withdraw at times, slow down his tempo, rest his nerves, and revive his spirit. Gandhi disciplined himself in this matter. To him, Monday was a day of silence when he communicated with no one orally. If communications were necessary they were written.

While the Quakers have differed from the majority of people on various issues, they have won the respect of nearly everyone by their humanitarian service. They feed the hungry, give milk and water to the thirsty, clothe the naked, visit the sick and imprisoned, and champion the oppressed. But despite their many acts of mercy, I have never seen a Quaker in haste. His calmness may have two explanations. One is that he strips his life of superficial activities that occupy the time of many people. The second is that his worship makes constructive use of silence.

Many people of other persuasions make use of the same resources by having daily devotions. They put aside some time every day to feed themselves spiritually, to receive the guidance and assurance of God. Archbishop Trench was such a person. The question he asked in his famous sonnet remains a helpful incentive:

*"Why, therefore, should we do ourselves this wrong,
Or others—that we are not always strong—
That we are sometimes overborne with care—
That we should ever weak or heartless be,
Anxious or troubled—when with us is prayer,
And joy and strength and courage are with Thee?"*

Elijah was a fiery crusader. During a reaction following a great victory, his spirit sank to a great depth. In this period of depression he experienced a violent wind, fire and earthquake. None of them meant anything to him. Then there was a still small voice, or a gentle stillness as the Hebrew says. In that gentle stillness, he reformed God. From that still small voice, he once again received his comfort and his commission.

If we try to carry the burdens of God, they are too heavy for us. If we try to live as if there were no God, we soon discover our own inadequacy. It is important that we hear the divine word, "Be still and know that I am God." Being still is necessary if one is to acquire that knowledge. So the time we spend in quietness is not wasted. It is one of the sources of our strength.

—Larry Schwarz.

The American Way to Health

By CHARLES H. LERRIGO, M. D.

SO LONG as we all have health we are all right; so God give us health!" Thus speaks the farmer of Kansas and Missouri, Ohio and Michigan alike. We strengthened our faith by gathering with farmers, nurses, educators and doctors—700 of us—at the sixth National Conference on Rural Health, which for this year was held at Memphis, Tenn.

The American Medical Association, thru its committee on rural health, sponsored the meeting but the health-minded farmers, teachers, nurses and sanitation workers outnumbered doctors. The Grange was well represented. The American Farm Bureau Federation, reporting for 36 states inclusive of Kansas, stated it has some form of prepaid hospital and medical insurance for its members in every one. The conference, a 2-day meeting closing February 24, brought together farm and medical leaders from all over the U. S.

Health councils on state and local level are the popular agencies in this work. One big objective is that of recruiting girls from rural districts to fill the great need for nurses, felt even more keenly than the doctor shortage. Health Councils of Missouri, it seems, have pioneered in the work of nurse supply together with Ohio, Minnesota and others. Illinois and Kentucky offer scholarship programs for medical students. Kansas has worked out a plan whereby all senior medical students, before graduation, are required to couple up with some doctor well established in rural practice in a plan of medical apprenticeship. The young disciple goes with the old doctor into the

homes of his patients in order to become familiar with such health needs as are especially likely to fall to his lot in a rural practice. Kansas led the way, with Missouri a close second, and there are few states that now fail to have some plan for attracting young physicians to rural areas.

They call it "The American Way of Life." This big conference on health had for its keynote: WHY WAIT? LET'S DO IT OURSELVES!

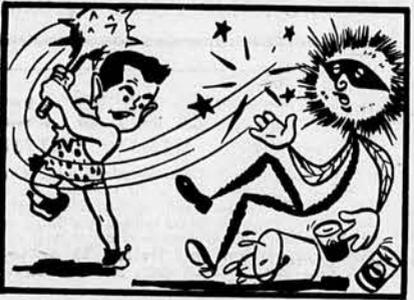
The most practical agency for promotion of the work at present is the Health Council. Reporting for Missouri was H. E. Slusher of Jeffersonville, chairman of the Health Committee of the American Farm Bureau Federation. Missouri has 56 County Health Councils since its organization in December, 1948, united in a program for better rural health. Why wait?

Four Are Named New Extension Agents

Kansas State College Extension service has added 4 new persons to its staff in county work. New agricultural agent is Alan Honeyman, in Lane county at Dighton. New home agents are Marie Shields, in Cowley county at Winfield; Roberta Keas, in Coffey county at Burlington, and Mrs. Nancy L. Beck, in Kiowa county at Greensburg.

Resignations include Robert Brush as 4-H Club agent in McPherson county at McPherson, and Dale Engler as county agent in Harper county at Anthony.

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THE
CROPS**



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to be sure!
A PRODUCT OF
REASOR-HILL CORP.**

**Marketing
Viewpoint**

By Harold M. Riley, Livestock; Leonard W. Schruben, Feed Grains; Joe W. Koudele, Poultry and Eggs.

I have read that a lot of cattle on feed are young and light in weight. Won't this tend to bunch marketings next fall?—O. M.

January 1 report issued by Bureau of Agricultural Economics indicated cattle on feed in Corn Belt were slightly lighter than year earlier, much lighter than 2 years ago. About one third of cattle on feed weighed less than 600 pounds this January 1. Two years ago less than one fourth weighed under that.

Another factor that indicates delayed marketings of fed cattle is four fifths of cattle on feed in Corn Belt, January 1, had been on feed less than 3 months. This is about same proportion as a year ago but substantially more than in most previous years.

Unless something should happen to destroy confidence of cattle feeders in the current price level for cattle, it seems likely the extremely favorable feeding ratio will encourage owners to hold cattle for maximum gains. This probably means many light cattle will be carried over until late summer and fall, as was observed last year. Altho a larger than usual proportion of our fed cattle are apparently headed for a fall market again this year, the expected high level of consumer demand should encourage orderly marketing.

We have an opportunity to store our white corn in commercial storage. Do you think the market will justify a small additional expense for storage charges? We might need to sell in June, altho possibly we could hold a little longer depending upon demand for storage space in elevator.—H. J.

Based upon present outlook, it would be my judgment you should be able to afford to store white corn until June. This is assuming storage charges would not be in excess of the regularly charged rate. I do not look for the premium of white corn over yellow to become much greater between now and June, but I feel the price of corn will work up as the feeding season progresses. I am sure you appreciate this is an opinion and as the saying goes, "Anything unknown is highly uncertain." We will be glad to hear from you when you sell this corn, to know your decision.

How close do actual chick purchases by farmers come to their intentions, as reported on February 1 each year?—K. K.

Differences that may develop between their February plans and actual purchases depend partly upon egg and feed prices during the hatching season and upon development of factors which affect the longer term outlook. Among these are individuals' expectations regarding prospective egg price levels for months when pullets hatched that year will be producing eggs.

Also, a factor is the adjustment that farmers make in plans in response to published intentions. For example, on February 1, 1950, farmers intended to purchase 12 per cent fewer baby chicks than in 1949. They actually purchased 10 per cent less. On February 1, 1949, farmers intended to purchase 7 per cent more baby chicks than in 1948, but they actually purchased 17 per cent more because the egg-feed price relationship remained very favorable during hatching season. In 1947 their chick purchases were 6 per cent more than their February 1 intentions, perhaps, because of rising egg prices thru hatching season.

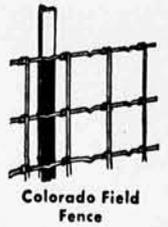
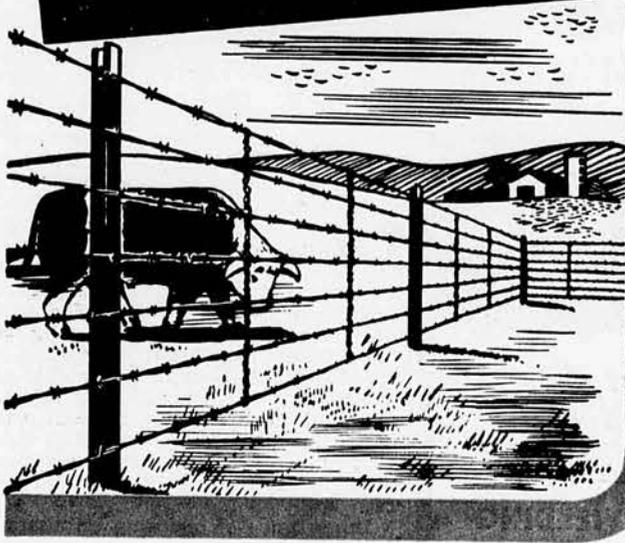
Farmers on February 1, 1951, intended to buy 4 per cent fewer chicks for laying-flock replacement than they bought in spring of 1950. However, if both egg and feed prices continue their present relation to last year, number of chicks raised for flock replacement in 1951 probably will be somewhat larger than in 1950. Purpose of the report is to give producers a basis for planning possible adjustments in their farm operations in line with the prospective supply situation.

White Handles

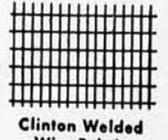
I paint handles of garden tools white such as rake and hoe, then if dropped in the garden as I work, they are easily found.—Mrs. L. J. T.

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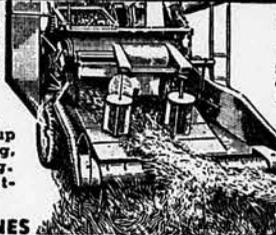
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You Can Grow Tomatoes

- Use fresh soil
- Right variety
- Use starter

By **WILLIAM G. AMSTEIN**
Kansas State College

TOMATOES can be grown successfully in all sections of Kansas if a few major points are carefully observed. Too often one or more of these items are overlooked or neglected until trouble develops and production is disappointing.

Tomatoes should not be planted on the same ground more than once every 4 years. The area should be well drained but not be a drouth spot. Soil with better than average organic matter content is needed. Sour or acid soil is not desirable. In fact a soil only slightly acid or by test showing at least a pH of 6.5 is needed. Avoid a soil that is too rich in nitrogen, and do not use much nitrogen fertilizer until fruit starts to set.

Importance of choosing an adapted variety is too often neglected or taken lightly. Many failures in growing tomatoes can be traced to poor choice of varieties. Hard work tending the planting will not overcome this handicap.

Gardeners located in Eastern Kansas, east of U. S. Highway No. 81, may need to consider use of a wilt-resistant variety. Rutgers, Marglobe, Pritchard, Break O'Day, Pan America and Fortune are examples of wilt-resistant varieties. As a rule, only one of these varieties is needed. Most of them are midseason or later in maturity. They have heavy foliage and do not set fruit too readily in Central and Western Kansas locations. Rutgers has been the main wilt-resistant variety. Two of the newer varieties, Pan America and Fortune, have a little more resistance to wilt, may be needed in some areas.

Stem Will Show Disease

Yellowing of lower leaves followed by complete loss of foliage and death of plant are outward symptoms on a plant troubled with wilt. The stem of this plant will show on examination that tissue between the outer green portion of the stem and the woody tissue has a dark-brown discoloration. Wilt lives over in soil. Therefore use of wilt-resistant varieties or choosing a new wilt-free location are about the only choices.

Use of varieties with blossom-drop resistance is of first importance in Central and Western Kansas. Crop insurance varieties are needed. As a rule, they are semi-determinate or of medium plant-growth habit. They are heavy producers of flowers with the ability to set a good share of them. They tend to be short of foliage and at times the fruit may be sunburned, especially if some spraying is not done to keep foliage free of disease.

Sioux, Firesteel, Bounty, Victor and Porter or similar varieties have the ability to set fruit under average conditions in Central and Western Kansas counties. A planting plan that provides more foliage protection is to alternate Sioux and Rutgers one after the other in the row, or place a plant of each variety in every location. Sioux gives the production and Rutgers the necessary foliage protection.

Hybrid tomatoes deserve wide testing in limited size plantings. Our experience with them does not justify most gardeners planting them exclusively until they have been tried more extensively. After a few years of testing adapted hybrids will be and should be widely planted.

In choosing a time to transplant tomatoes to the garden, remember there is a best or better time to do the job in most areas every year. As a rule earlier transplanting time brings heavier and earlier harvest. However, too-early planting may run into late frost damage, while plantings made too late may suffer too much from hot weather.

Many home gardeners give their plants a severe shock at transplanting time. Avoid this as much as possible by keeping a good block of dirt around the roots as you move them. After plants are set out do not let them stand still or go backwards for 2 or 3 weeks before they become established. Use of a starter or booster solution will help them get underway. This can be prepared by dissolving 1 or 2 tablespoons of a mixed commercial fertilizer containing phosphate in a gallon of water. After the mixture is well stirred, use from 1/2 to 1 pint around each plant. Early protection against potato bugs may also be needed.

Have You Tried This?

The practice of direct seeding tomatoes could be more widely followed to advantage. The date of maturity will be nearly as early and some disease and transplanting problems will be avoided. Four to six seeds are placed in each hill at the intervals that the plants will later be spaced. Only the best plant is left in each hill. In this system of direct seeding many put out the seeds a week or ten days ahead of the frost-free date.

Plan to protect your foliage and later your fruit from both disease and insect damage. A wide choice of materials can be used. Of great importance is outlining a program and getting it underway. After the lower foliage is lost it is too late to expect very good control results. As a rule one good, careful spraying is worth more than 2 dust applications in protecting foliage.

There are many factors that help or hinder the setting of tomato fruit:

1. Use an adapted variety.
2. Avoid use of excessive nitrogen early, either as manure or commercial fertilizer. An over-vegetative plant will not set its blooms.
3. Do not irrigate while blossoms are forming, except to keep down excessive plant wilting.
4. If night temperatures fall below 60 degrees Fahrenheit, you can expect poor setting of fruit. Use of a plant-hormone spray on the early blooms will help keep them on and result in much earlier production.
5. Temperatures above 95 degrees Fahrenheit also will cause many blooms to drop. To help prevent this loss, good windbreak arrangements on south and west sides of tomatoes are important. Row crops such as sweet and field corn or sorghums will prove very useful.
6. Blossoms are often damaged by insects such as thrips that are not large enough to be noticed, but eat a lot. Dusting the tomato flowers with chlordane will help keep down this injury to the flowers. Likewise a spray or dust using chlordane will help keep down damage noticed in ripening fruit caused by stinkbugs.

(Staking, mulching, spraying and other useful practices will be discussed in a later tomato article in this series.)

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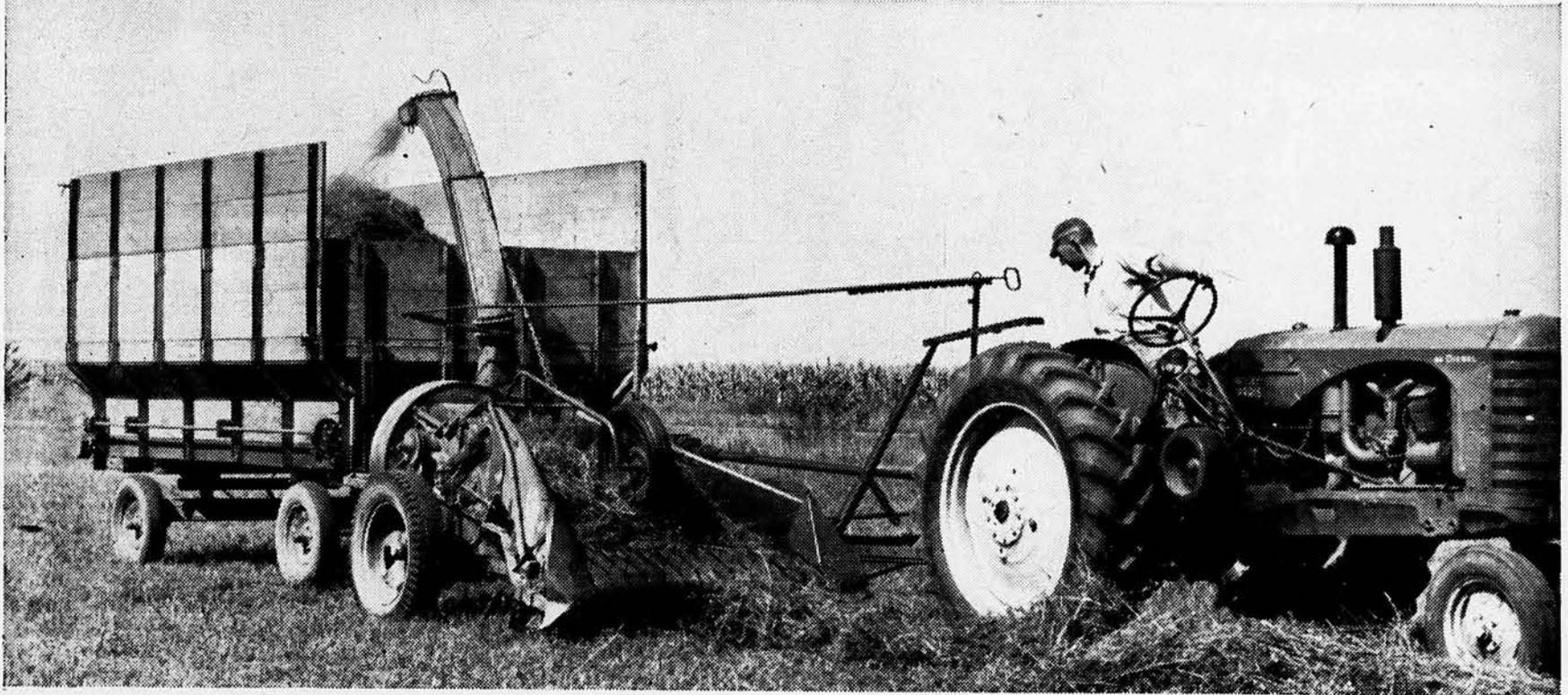
Coming, April 21 . . .

What is the role for pastures in the mobilization effort? Meat and milk are important to our national economy as well as more grain. Production of meat and milk can be increased on the same acreage now devoted to livestock. First article in a series on pastures in Kansas will appear in *Kansas Farmer* for April 21, 1951. This article will tell what farmers are doing in Southeast Kansas to increase livestock production from improved pastures.

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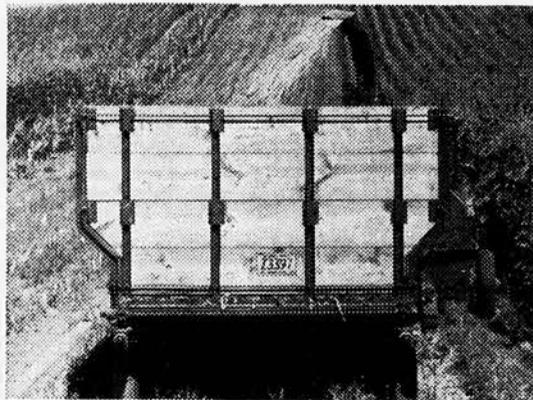


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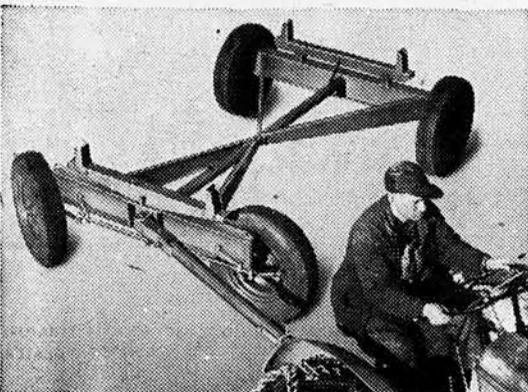
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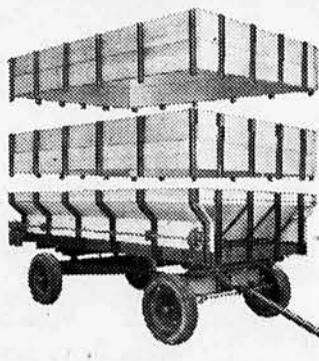


3RD LEVEL—CARRIES DRY HAY or straw... unloads while you watch! Farmhand's dependable worm gear driven conveyor *slides* the load smoothly into the blower. No pushing, packing or tumbling. Convenient clutch lever lets you start or stop unloading instantly.



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Bushels

— 290
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As in the past, they will respond to the call, but the sudden turn of events finds many of them with farms whose soil fertility is dangerously low — from overcropping, erosion and all-out production during two previous wars.

The fertilizer industry is doing everything possible to maintain a balance between incoming raw materials and production of finished goods in order to supply farmers with plant foods when they need them. However, any disruption in the flow of sulphur, or other raw materials, due to transportation difficulties, strikes, etc., can tie up production and create immediate fertilizer shortages.

Farm leaders are warning that to be sure of any supplies of fertilizer in the months ahead, farmers should store it in their barns or store fertilizer in the soil. The latter can be done, they point out, as the economy wears away to...

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William J. Hale, of Sheldon, Mo., fed his soil 360 pounds of BEM BRAND 3-12-12 Fertilizer by plowing it down before the season. This improved soil then produced an average of 90 bushels of corn per acre on 40 acres. Before he started plowing down, this land grew only 25 bushel corn.

"Plowing down BEM BRAND really paid on my corn — and I know it pays on grass and legumes, too," says Mr. Hale.

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This Was Life In Early Kansas

By LELA BARNES

Second installment in story of Reverend Charles Lovejoy, his wife and children follows. You will recall they emigrated to Kansas from New Hampshire to join the anti-slavery forces. This story is from letters written by Julia Lovejoy which are now in the collections of the Kansas Historical Society.

MANY acts of violence marked the conflict between free-state and pro-slavery forces during the weeks following removal of the Lovejoys to Lawrence, and Julia reported the situation in detail to Eastern papers. It was her hope to direct attention to the struggle and enlist all possible aid for a free Kansas.

She told of her own flight from home with the baby, Irving (born in the Territory), when an army of ruffians approached the settlement. Expecting their dwelling to be demolished by cannon balls (it stood a little out of town in a direct line from the fort on Mt. Oread to the position of the invaders) she caught the child from his bed and fled. "I rushed to a place of safety out of town as fast as my feeble limbs could carry me until I had walked about two miles; and as I passed from one house to another in my flight, it was almost amusing, notwithstanding the awful crisis before us, to see the ruling passion strong in such an hour. Here was one arraying herself in a nice dress to secure it from destruction, another seizing a watch or some other valuable.

Clutched a Bowie-knife

"I clutched hold of a bowie-knife I espied in one house that a friend wished me to take, but as I was rapidly making my weary way through bushes and ravines and up difficult steeps, I was afraid I would give my own person an unlucky thrust and was glad to get rid of it.

"The scene that met our gaze beggars description—women and children fleeing on every hand to a place of safety, men running to secure the best place to fight, cattle, as though aware of danger, huddling together, smoke rolling up in clouds from Franklin, four miles distant, and the smoke and flash of our well-directed rifles. All produced a daguerreotype that will never fade from memory's vision."

She wrote to the eastern editors almost apologetically because she had little sympathy with women crusaders. But the "wrongs of Kansas, heaped mountain-high," compelled her to do what she could for the cause of freedom to which she and Charles had pledged themselves.

With quieting of the political situation, Julia's letters to her family gave news of their personal affairs. Despite some loss of property, she felt their situation was not unfavorable and wrote

encouragingly of prospects in the Territory. They retained the claim near Manhattan, had purchased 8 city lots in Lawrence, and enjoyed the comforts of their stone parsonage which, with its interior finish of black walnut, "very nice," had cost \$800. She urged members of her family to join them. "Who of you will come, and by helping freedom help yourselves? Now is the time!" Julia's faith in the ultimate development of the Territory had not been lessened by difficulties they had experienced.

Her letters during these months dealt at length with the problem of relief for destitute settlers. She served as receiver and distributor of clothing sent by groups in Chicago and had firsthand knowledge of the widespread suffering.

More Help Needed

She wrote to an editor in New Hampshire: "What has been distributed has gladdened many a heart, but where one garment has been given to cover shivering limbs, one hundred more are needed to supply the demand. Where one sack of flour has been sent, one hundred are wanted to keep the people from suffering if not from perishing for food. One hundred and forty boxes of clothing are delayed at different points on the Missouri river, to be sent on at the opening of navigation in the spring, all of which is at this moment needed to shield shivering limbs in ill-provided cabins. What has been received has been of great service for which, in behalf of the suffering poor, we return hearty thanks. It has literally saved those who were ready to perish."

Despite the many difficulties besetting settlers, Julia's letters were devoted increasingly to the advantages of removal to the Territory. She urged readers who "designed to come to Kansas" to start early to secure choice claims. She reported in February (1857) that ice had broken up in Kansas and Missouri rivers and that boats would soon begin their regular trips, picking up large companies of emigrants waiting at different points. "We would say to all who contemplate coming to Kansas," she wrote, "to take the boat at Alton, Ill., or St. Louis, and get a ticket for ten or twelve dollars through to Leavenworth, unless a boat runs on the Kansas river which they can easily ascertain. They can purchase a team at Leavenworth and a covered wagon, if

(Continued from Page 19)



"Old Castle," first building at Baker University, Baldwin, erected in 1858 and still standing. Photo courtesy of Kansas Historical Society.

they bring their families, in which they can eat and sleep, and every Yankee woman, I'll venture, can make her own coffee, fry her ham and bake her cakes by the wayside as we had to do for long and weary days in succession. . . . From Leavenworth each one can take what direction he pleases. . . . There are claims in plenty, untaken, a few miles from the different towns in the Territory. Do be early here or you will be pushed further back. We are receiving letters by almost every mail from different parts of the Union from individuals who wish us to help them in securing a location in Kansas."

Julia's interest in aiding emigrants is evidenced by the fact that her small home was thronged with people thru the winter and spring (1856-57)—emigrants pausing to decide on the most favorable locations. She housed those from New Hampshire without charge.

Bought a Claim

Attracted by a location a few miles south of Lawrence, Charles and Julia now bought a claim, mainly to acquire land for their son, Charles, who was not yet of age. With its 60 acres of fine timber and rich bottom land, they thought it one of the most beautiful sites they had seen. It was near the settlement of Palmyra. (With the founding of Baldwin in 1858, just to the south, Palmyra's businesses moved to that point and the settlement ceased to exist.) There was a good house on the claim, one large broken field and fencing.

In May of 1857, Julia moved to the claim. The Methodist Conference had appointed Charles to the Oskaloosa mission and because there was no parsonage at that point, Julia was unable to accompany him.

She wrote from Palmyra at this time: "Such is the economy of Methodism and the system of itinerancy that we have been compelled from the force of circumstances to vacate temporarily our home in Lawrence for one with our son, on his claim in this town, ten miles from Lawrence—for be it known to our good brethren within the bounds of the New Hampshire Conference, in their comfortable parsonages, there is but one, as far as we are informed, for the preacher in this whole Territory. . . . He must throw him up a cabin to shelter his family, or rent one at an enormous price, houses are in such demand. So here we are, and the missionary, who is broken down by exposure and hard labor during the two years of suffering in Kansas, and contending with ague and fever, is 34 miles from us, going from cabin to cabin and for the year to come will only be an occasional visitor to his family.

"Such is Kansas life but our spirits do not flag and we are full of hope for the future."

Planned a University

Of particular interest to Julia at this time was the plan of the Methodist Episcopal church to establish a university near their Palmyra home. The name Baker had been chosen to honor Bishop Osmon C. Baker and it was to be built, Julia reported, "on an eminence overlooking a vast expanse on either hand as far away as the eye can stretch, and a more enchanting panorama, we think, the sun never shone upon." (The first building opened for instruction in November, 1858, was not erected on the campus, but two streets east. It still stands and is called "Old Castle" because it served as a refuge during the Civil War.)

For the "gratification of the ladies in New Hampshire," Julia described their home on the Palmyra claim: "An unpretending structure built of logs, 16 x 12, perched on a hill nearly encircled by a young and vigorous forest. A field of 3 acres, nicely fenced in, is our garden. There are peach, apple and pear trees, brought from Illinois, cherry trees, grapevines and currant bushes, with a variety of vegetables.

"The interior of our cabin is divided and subdivided by curtains to make lodging apartments, sitting room and kitchen. The mammoth fireplace, that yawns like a cavern's mouth, is of essential service. Our shelves, for dishes, are loose boards laid on huge pins driven into the logs. A stove, table and a few chairs complete our kitchen fixtures. . . . Our chimney top affords ample room for the hens to roost. We have music from the birds and chickens, and are we not happy?"

Editor's Note: If you are interested in stories of early Kansas we will be glad to hear from you. Send your letters to The Editor, Kansas Farmer, Topeka.



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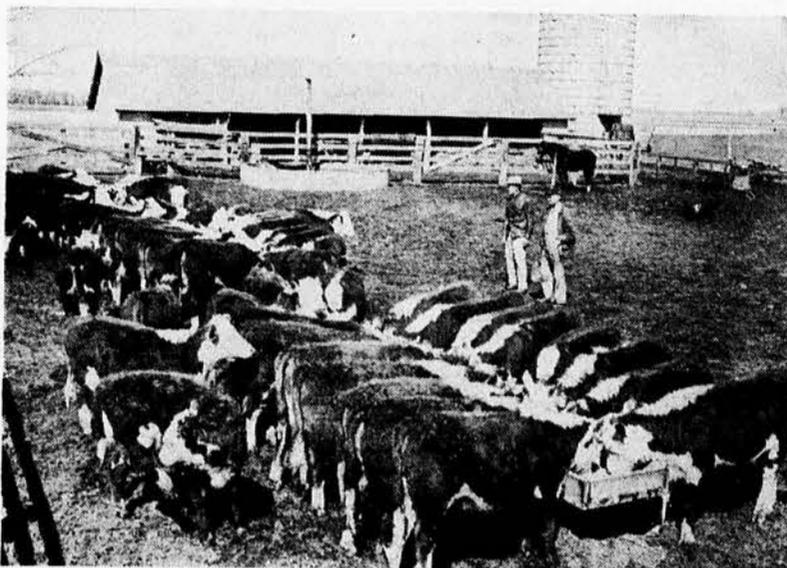
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Big Surprise With Beef

Deferred-feeding, dairy heifer replacement programs make amazing returns even in one year

By ED RUPP



READY FOR PASTURE: These 50 head of Hereford heifer calves were wintered on silage and hay as bulk of their ration on Paul Sramek farm, Oswego. After economical winter gains, they are in perfect condition for big pasture gains on brome-alfalfa fields. After a short grain feed they will be ready for market and Mr. Sramek will be ready to buy more calves in fall.

LIVESTOCK has taken on new importance in Labette county. More farmers are beginning to count beef cattle as a major source of income, in place of a side line to grain production. And right along with that movement is an important new dairy heifer replacement program.

Both cattle programs were introduced to Labette county last year when County Agent Russell Klotz brought 1,000 head of whiteface calves into the county to be handled on the deferred program. In the same year he brought more than 200 head of dairy cattle into Labette county to bolster the dairy industry.

For the most part these cattle were distributed to a large number of farmers. There are only a few cases where an individual took more than 50 head of deferred calves. But it looks now as if the man who took 15 head last fall will want 25 or more this fall. The man who took 50 head may want 150 in another year. That's the way things are going. Much of the increase depends to a large extent on how rapidly pastures can be improved to accommodate larger cattle programs. That is the foundation for success in cattle.

Have They Grown?

Paul Sramek, Oswego, took 50 head of Hereford heifers last fall that weighed 346 pounds on an average when purchased down in Texas. These heifers were wintered on corn silage, a little prairie hay and 1 pound of soybean meal and 1 pound of corn chop a day for each head. Have they grown? Yes sir. Mr. Sramek's heifer calves had plenty of room around the 3 long feeding bunks last fall. This spring they were a little crowded when they all moved up to the trough.

Price of cattle was high last fall. But these heifers have put on a lot of growth on economical feed. They will

put on more cheap gains this spring and summer on brome-alfalfa and brome-red clover pasture. And after their quick-growing winter rations, they will be in perfect condition for good pasture gains.

After a short grain feed Mr. Sramek will be able to sell those 50 heifers at a 25 per cent lower figure than their purchase price and still make a good return on home-grown feed he gave them.

Bob Found Out

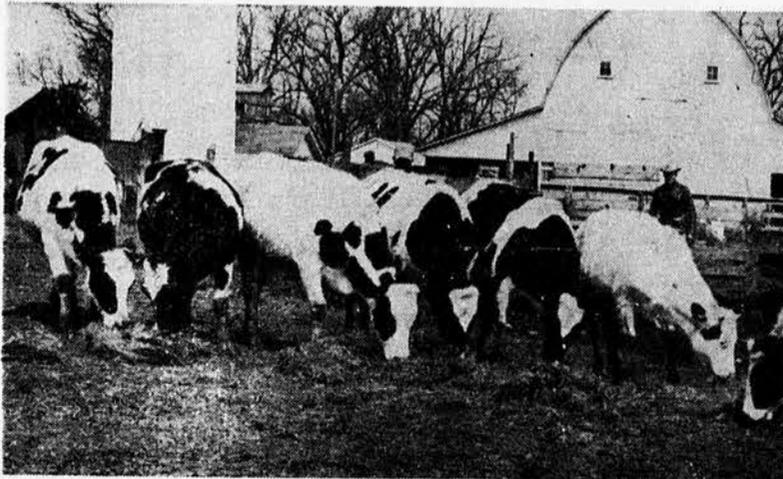
But let Bob Miller, Labette, tell you what he thinks about the deferred-feeding program. He is a young farmer who fed cattle when a boy. He has fed cattle since farming for himself, too. But his luck with deferred feeding has convinced him of some things he said he would not have believed before this year.

Mr. Miller contracted for 20 head of young steer calves. They cost 32 cents a pound last fall. They had good picking in old soybean fields, corn and milo fields where some grain had been lost. They were getting lespedeza hay while running on those fields. About the first of February he started giving them alfalfa hay. He tried to bring their grain ration up to 4 pounds a day during winter, but they just wouldn't eat it while running out on those fields.

But before pasture time in spring he had them up to 4 pounds and was trying to get them up to 6 pounds to catch up with a 4-pound average he had intended to feed them.

After running on grass in spring and early summer, Mr. Miller plans to follow right along with the deferred program. He will take them out of the pasture in midsummer and dry-lot the steers for about 100 days to give them a final finish.

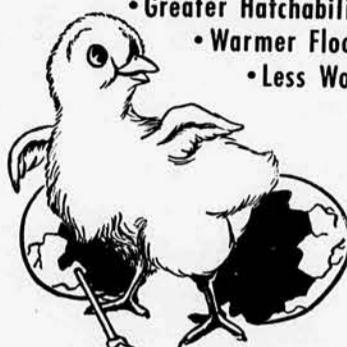
The other day Mr. Miller sat down
(Continued on Page 21)



MILK THIS FALL: These Holstein heifers were purchased in Wisconsin the fall of 1950 for Eichhorn Brothers, Altamont. Wintered on silage and hay, they will be on top-quality pasture this summer. These heifers were bred for early fall freshening and will be available as replacements for some milk producer.

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The RED HOIST that has made history

and tried to figure out just where he stood with his deferred steer calves. He believes he could sell them for 18 cents a pound this fall and still break even. Can you beat that? That is the figure Mr. Miller says he would not have believed himself before this year.

He plans to enlarge his deferred-feeding program. To support the cattle he intends to seed 20 acres of brome grass and alfalfa this fall. In addition to that he hopes to plow under 35 acres of native grass this summer. This acreage will go to small grain and sweet clover first, then to brome and alfalfa in fall of 1952.

Mr. Sramek plans to enlarge his deferred feeding program, too. Fifty head of heifers last fall was a good start for him. But his plans call for most of his acreage to go to brome grass and alfalfa. He has his sights set on 150 head of deferred calves each year as soon as his pasture program can handle that many.

Eichhorn Brothers, Fred and Russell, Altamont, took 25 head of those steer calves that were shipped into Labette county last year. In addition Boyd Eichhorn, Fred's son, has 10 more steer



Beef Tour April 12

Labette county farmers will have opportunity, April 12, to see what can be done with beef cattle in their area. It will be the county beef tour arranged by County Agent Russell Klotz. Lot Taylor, animal husbandry specialist, Kansas State College Extension, will join the tour to answer questions relative to approved livestock programs.

The Beef tour will begin from the county agent's office in Altamont at 1:30 o'clock in the afternoon. At 8 o'clock in the evening there will be a stag party at Oswego. Mr. Taylor will speak on beef systems and beef cattle experimental results. Also on the evening schedule will be branding, de-horning and docking displays.

calves he is feeding on the deferred system for his 4-H project.

The group of 35 head of deferred steers should find all the grazing they need this spring and early summer on a 25-acre patch of wheat land that was given over to brome and alfalfa after heavy fertilization. It was fertilized according to soil test.

Most of the 200 head of dairy calves brought down from Wisconsin went to dairy farmers. But a few went to farmers that have no intention of milking them when they grow up. They are being produced strictly for a new dairy heifer replacement program.

Give It a Trial

Those same Eichhorn Brothers are trying the dairy heifer replacement project for the first time. They took 10 head of Holstein heifers with good milk production in their backgrounds. The average cost was \$150 a head last August. That was the cost laid down on the Eichhorn farm. These heifers were bred artificially last November and will be ready for production this fall when milk prices should be highest.

Besides breeding costs, Eichhorn Brothers have a winter's supply of silage and hay in these heifers. And they will provide them with a summer's supply of top-quality pasture. How much will they bring? Well, Fred Eichhorn said he had been offered \$350 a head for fall delivery. He turned it down simply because he didn't feel like pasturing someone else's cattle thru the summer.

Agent Klotz has something new in mind with dairy heifer replacements. If all goes well there may be a bred dairy heifer sale in Labette county in another year. That is not definitely in the books yet, but it shows the thinking that is going the rounds there.

Not only that but 500 head of Western ewes were imported into Labette county in 1949 before Klotz became the county agent. Last year another 500 were brought in and another 1,000 or more may be brought in this year.

Livestock is on the increase down in Labette. It looks like it will continue to increase just as rapidly as pastures can be improved to support those increased numbers of livestock.

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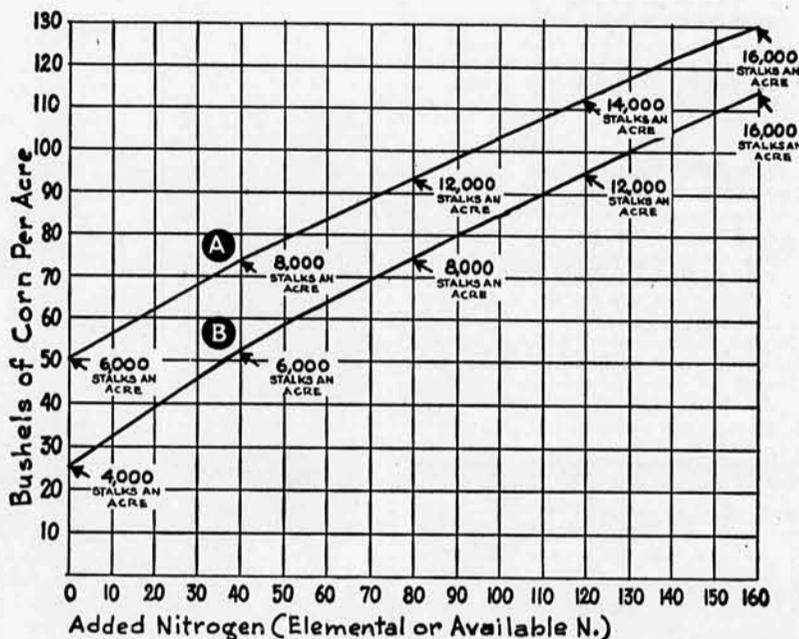
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DEPENDABLE AGRICULTURAL CHEMICALS

Plant Enough Corn

. . . Balance stalks per acre with available nitrogen for top yields

By ED RUPP



FERTILITY-RATE OF PLANTING CHART: This chart gives rate of planting suggestions for 2 soils, one capable of producing 25-bushel corn without added fertilizer, the other for 50-bushel soil. Further explanation appears in the story.

HOW thick should I plant my corn? Rate of planting is important in getting maximum yields. It will be doubly important this year because of an enlarged demand on fertilizer supplies. You may want to call it a fertilizer shortage.

Put it another way: How many stalks of corn will your soil be able to feed this year?

To help you answer that question, the agronomy department at Kansas State College supervised 14 fertilizer treatment trials in various areas of the state last year. Rate of planting and its relationship to final yield was included in that work.

There were yield increases in all 14 trials when rate of planting was increased with fertilizer applications. Normal rate of planting produced an average of 81.4 bushels an acre, while 1 1/2 of normal rate produced an average of 90.4 bushels on the 14 plots.

Without fertilizer only 2 of the 14 trials showed yield increases of 5 bushels or more when rate of planting was stepped up. Actually, in 8 of the trials without added fertilizer, increased rate of planting resulted in lower yields. The average for normal rate of planting was 49.5 bushels, 1 1/2 of normal 48.3 bushels.

Normal rate of planting was 8,000 stalks an acre, with 1 1/2 of normal being 12,000 stalks. The exception was in North Central Kansas where normal was set at 6,000 stalks and 1 1/2 of normal 9,000 stalks.

Corn Belt states have made intensive studies of the relationship between corn population and available plant food. With data developed originally in Illinois and used in other states, we have developed a chart which will help you decide how thick to plant your corn. Kansas experimental evidence provides information which nearly parallels that shown in the fertility-rate of planting chart.

In general if phosphate and potash requirements of a soil are met with fertilizer applications, final yield depends on amount of available nitrogen and rate of planting. That has been shown in actual field conditions over the state. To get the most corn efficiently from your field, there must be

a final balance between nitrogen and corn population.

For the most part phosphate and potash needs can be met with available fertilizers. And a certain amount

4,000 stalks to acre	18 acres
6,000 stalks to acre	12 acres
8,000 stalks to acre	9 acres
9,000 stalks to acre	8 acres
12,000 stalks to acre	6 acres
16,000 stalks to acre	4.5 acres

SEED BUYING GUIDE: Under various planting rates, this table shows about how many acres can be planted with 1 bushel of seed corn.

of nitrogen will be available in these fertilizer mixtures. But adequate amounts of nitrogen for maximum yields apparently will be limited to those who bought or contracted for high nitrogen fertilizers earlier in the season.

Now look at the fertility-rate of planting chart. There are 2 examples. One for soil capable of producing 25 bushels of corn an acre without added nitrogen fertilizer. The other is for soil capable of producing 50-bushel corn without added nitrogen.

The 25-bushel land could be expected to produce that much if 4,000 stalks of corn were planted on each acre. But suppose you are able to add 40 pounds of nitrogen an acre. (That would be about 120 pounds of 33-0-0.) Then to get maximum yield you would need to plant 6,000 stalks of corn an acre.

You can carry this right on up the scale according to amount of nitrogen you can get for your soil. The more nitrogen you can apply, the more corn you will need to plant for maximum yields. The same can be done in case of soil capable of producing 50 bushels of corn without added nitrogen. That is the example cited in line (A) at the top of the chart.

How much corn will your soil produce without added nitrogen? Your soil test will give you the hint you need. Your county agent can help you determine
(Continued on Page 23)

METHOD OF PLANTING	NUMBER OF PLANTS PER ACRE
Check 42 inches . . . 2 stalks to hill—7,110; 3 stalks to hill—10,665; 4 stalks to hill—14,220	
Check 40 inches . . . 2 stalks to hill—7,840; 3 stalks to hill—11,760; 4 stalks to hill—15,680	
Check 38 inches . . . 2 stalks to hill—8,690; 3 stalks to hill—13,035; 4 stalks to hill—17,380	
Drill 42-inch rows 24 inches apart—6,222; 18 inches apart— 9,333; 12 inches apart—12,445	
Drill 40-inch rows 24 inches apart—6,534; 18 inches apart— 9,801; 12 inches apart—13,069	
Drill 38-inch rows 24 inches apart—6,878; 18 inches apart—10,317; 12 inches apart—13,756	
Drill 36-inch rows 24 inches apart—7,260; 18 inches apart—10,890; 12 inches apart—14,520	

PLANTING GUIDE: This table shows how many stalks of corn you will get on each acre when planted at various rates and methods.

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rapid
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growth



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Low in cost! Effective! 12 oz. bottle \$1.25;
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that. It depends on the type of soil, the amount of organic matter in the soil and also upon the season. Crop history on the field also provides a key.

Then if a legume was plowed down ahead of the corn, that must be counted in too. Legumes will provide between 20 and 30 pounds of nitrogen an acre for each ton of air-dry hay it would have yielded. That is for the first year after it is plowed down. The second year it will produce only about half that amount of nitrogen for the corn crop. Your county agent can help you with that, too.

Now that you have determined how much corn to plant, how are you going to get the job done? You can look at the planting guide to determine how many stalks to have in a hill for your specific job, or how far apart to drop the kernels if drilling in the row.

Finally, the seed-buying guide will show you about how many acres you can plant at a specific rate with each bushel of seed corn. This is not a hard and true guide, but will serve as an indicator.

Just Plain Arithmetic

Planting guide and seed-buying guide are merely mathematical solutions. You could figure them for yourself if you wanted to take the time. Or you may have your own tables. But the fertility-rate of planting chart is based on experimental work.

In the case of the (B) line, 25-bushel land, each 1½ pounds of available nitrogen added will result in an increase of about 1 bushel of corn an acre until an application of 40 pounds of nitrogen has been reached. (This assumes, of course, that other plant food needs have been met.) Where 40 to 80 pounds of nitrogen are added, efficiency drops slightly. Here it takes about 1¾ pounds of nitrogen for each 1 bushel increase.

Beyond 80 pounds of nitrogen an acre, each 2 pounds of added nitrogen result in about 1 bushel increase. We stopped the graph at 160 pounds of added nitrogen. That would be equal to 485 pounds of ammonium nitrate an acre.

In the case of the 50-bushel soil, line (A), about 1 bushel increase in yield can be expected from each 1¾ pounds of nitrogen added up to a maximum of about 40 pounds. With between 40 and 120 pounds of added nitrogen, an increase of 1 bushel can be expected from each 2 pounds of added nitrogen. Beyond 120 pounds of added nitrogen it takes about 2½ pounds of additional nitrogen to return an extra bushel of corn.

What You Can Expect

In Kansas information indicates that about 1 bushel of corn increase can be expected for each 2 pounds of nitrogen added. That would be up to 80 pounds of nitrogen on each acre. It would make the curves in the fertility-rate of planting chart flatten out slightly. In place of 93 bushels an acre with 12,000 stalks and 80 pounds of nitrogen, the yield would be about 89 bushels an acre.

Lower rainfall conditions may have much to do with the difference in yields of corn that can be expected in Kansas as compared with Corn Belt states like Illinois. Also, response from extremely large applications of nitrogen in Kansas quite possibly would be less than the chart indicates.

But in order to get those yield increases, it is imperative to increase thickness of stand in proportion with the amount of nitrogen added. In the case of the 25-bushel soil, stand recommendations increase from 4,000 to 16,000 stalks an acre. For 50-bushel land the increase is from 6,000 to 16,000 stalks an acre.

If stand is too thin for amounts of fertilizer applied, ears will be too large. There will be some increase in yield, but it will be below the potential yield. If corn is planted too thickly for available plant food, ears will tend to be smaller, some "nubbins" will be the result.

To get the most for your fertilizer, most corn from your land, close attention should be given to thickness of stand.

**Boost for 4-H Camp
By Rural Youth**

Miami County Rural Life Association has given \$800 to buy chairs for the new dining hall at Rock Springs Ranch, state 4-H Camp. The check was presented to J. Harold Johnson, state 4-H Club leader, on March 10 at the recent Kansas Rural Life Association conference at Kansas State College.

Occo
Gives them

Vigor to go on...
to grow on



Mineral - balanced feeding is important to all stock, BUT IT'S ESPECIALLY IMPORTANT FOR YOUNG STOCK.



Occo Mineral Compound and Occo-Lak supplies the proper mineral nutrition young animals need for stamina, vigor and good health. These Occo-supplied minerals also contribute greatly to faster gains on less feed.



Occo is palatable and pigs, calves and lambs take to it early. So, this spring start them right — Start them on Occo Mineral Compound and Occo-Lak. Give them more vigor to go on . . . more vigor to grow on.

Let your nearby Occo Service Man show you how easily and inexpensively Occo can help you have better balanced, more profitable rations. Or, if you prefer, write us direct for the facts about combining Occo with home-grown feeds for more feeding profit.



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OELWEIN, IOWA

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PHILLIPS 66 HIGH NITROGEN FERTILIZERS SAVE WORK AND GIVE GREAT RESULTS!

You get more nitrogen per bag when you buy a high nitrogen fertilizer. It saves you time and work in handling and spreading . . . takes up less storage space and boosts profits!

Phillips 66 Fertilizers are free-flowing, easy to apply. Run some through your fingers. Feel it flow!

Right about now, for row crops, pastures, and wheat or other small grains,

use either Phillips 66 Ammonium Sulfate (21% Nitrogen) or Phillips 66 Prilled Ammonium Nitrate (33% Nitrogen). You'll get bigger yields of crops and dairy products . . . cheaper gains for livestock.

Don't delay any longer. Ask your regular supplier for Phillips 66 High Nitrogen Fertilizers. Phillips Chemical Company, a subsidiary of Phillips Petroleum Company, Bartlesville, Oklahoma.

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Harry E. Dodge, Secretary

Barrow Show Grows

Crosson Farms Exhibit Grand Champion in Second Annual Kansas Swine Event



GRAND CHAMPION: Herbert Crosson, Minneapolis, shows his 269-pound Duroc that took top honors in second annual Kansas Barrow Show and Swine Day held at Topeka.

GRAND champion single barrow honors in the second annual Kansas Barrow Show and Swine Day, Topeka, March 20, were taken by Crosson Farms, Minneapolis, with a 269-pound Duroc entry. Junior division champion honors went to H. A. Wiswell, Spring Hill, with a 232-pound Poland China entry, and a pen of 3 Poland Chinas entered by Kansas State College, Manhattan, won top honors in that division.

Twenty-four exhibitors showed 80 head of hogs in this year's show. Sponsors of the event are the Topeka Chamber of Commerce, Kansas State College Extension service and John Morrell and Co., of Topeka. This barrow show gives promise of developing into an excellent livestock event of state-wide importance. There were 20 exhibitors showing 61 head of hogs last year in the first annual barrow show. It is supported by 7 national swine associations in addition to various breeders in Kansas.

Single barrow entries were divided into 2 groups. One group was for barrows weighing 225 pounds and under, the other for barrows weighing more than 225 pounds.

The Crosson barrow was the high-placing entry in the heavy division. Other top placings in that group were as follows: Kansas State College, 2nd, Poland China; George Carpenter, Clay Center, 3rd, Berkshire; Kansas State College, 4th, Poland China; Warren Ploeger, Morrill, 5th, Hampshire; Glen

Wiswell, Spring Hill, 6th, Poland China.

Junior division placings in the heavy barrow field were as follows: H. A. Wiswell, Spring Hill, 1st and 2nd, Poland China; Phyllis Cole, Topeka, 3rd, Chester White; Don Martin, Broughton, 4th and 5th, Chester White.

Top honors in the lighter class of single barrows, adult division, went to Kansas State College with a Poland China entry. Other top entries were: Crosson Farms, Minneapolis, 2nd, Duroc; KSC, 3rd, Poland China; Harry Turner, Altoona, 4th and 5th, Poland China; Herman Popp, Haven, 6th, Duroc.

In the junior division, lighter class, top placings were: Phyllis Cole, Topeka, 1st and 3rd, Chester White; Norma Cole, Topeka, 2nd, Chester White; Robert Foster, Topeka, 4th and 6th, Hampshire; H. A. Wiswell, Spring Hill, 5th, Poland China.

Pen-of-three honors, adult division, were: KSC, 1st, Poland Chinas; Crosson Farms, Minneapolis, 2nd, Durocs; Harry Turner, Altoona, 3rd, Poland Chinas; Warren Ploeger, Morrill, 4th, Hampshires; Herman Padfield, Rose, 5th, Durocs; George Carpenter, Clay Center, 6th, Berkshires.

Junior division, pen-of-three honors: H. A. Wiswell, Spring Hill, 1st, Poland Chinas; Phyllis Cole, Topeka, 2nd, Chester Whites; Don Martin, Broughton, 3rd, Chester Whites; Robert Foster, Topeka, 4th, Hampshires.

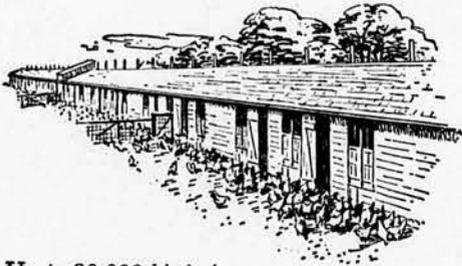
(Continued on Page 27)



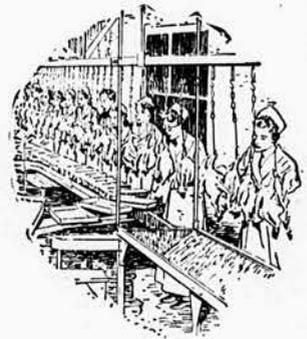
TOP JUNIOR ENTRY: This 232-pound Poland China was shown by H. A. Wiswell, Spring Hill. Setting him up for this picture are judges of the show, Paul Zillman, left, agricultural counsel, Kansas-Nebraska Chain Stores Council, Kansas City, Mo., and John H. Dohogne, agricultural service department, John Morrell and Co., Ottumwa, Iowa.

More Chicken...

A booming broiler industry adds a billion and three-quarter pounds of "eating" for the nation's consumers



Up to 30,000 birds in many a broiler house.



Broilers are processed by mass-production methods.

It is probable that even to agricultural producers themselves the growth of poultry raising in the United States is news. News worth our reporting and your reading.

Last year America's poultry farmers produced one and three-quarter billion pounds of broilers. With turkeys and other poultry added on, 1950's production of poultry meat equalled half of our beef production.

Not many years ago broilers were the cockerel half of replacement chickens for the laying flock... sold for meat. Quality varied greatly. Some were light, some heavy; some young, some old; some tender, some tough. Supply was seasonal, and consumer demand feeble.

But today, broiler raising is a fast-growing, mechanized, mass-production industry with an established mass market. And a mighty efficient industry, too. Special broiler strains have been developed—plump, meaty birds that grow into 3-pound broilers in 10 to 12 weeks—and make a pound of chicken meat from 3 pounds of feed or less. In a modern broiler house, one man can handle up to 30,000 broilers, up to four times a year. Thus, one man can turn out as much as a half-million pounds of meat in one year.

Starting on the East Coast's Del-Mar-Va (Delaware, Maryland, Virginia) peninsula, broiler growing has spread all over the nation—to New England, the South—to the Midwest, the Southwest, Pacific Coast. It's still growing lustily. So long as Mrs. Consumer says, "More chicken, please," it will continue to grow—as long, also, as ingenious, self-reliant American producers see the possibility of profitable food production via broilers, even in marginal areas—of sharing in a business which last year accounted for four hundred and fifty million dollars of our nation's farm income.

Martha Logan's Recipe for

HUNGARIAN CHICKEN

- | | |
|------------------------------|------------------------|
| 1 chicken, cut up for frying | 3 medium onions, diced |
| 1/2 cup butter or shortening | 1 teaspoon paprika |
| Salt | 1/2 cup water |
| Pepper | 1 cup cream |

Hot cooked noodles or rice

Rinse chicken pieces in cold water and dry. Melt butter in heavy skillet; season chicken pieces and brown on both sides. Remove from skillet. Add onions to skillet and fry slowly until tender. Return browned chicken pieces (skin side up) to skillet and sprinkle with paprika. Add water and cover. Cook slowly for 30 to 40 minutes or until tender. Remove chicken pieces to platter. Add the cream to skillet mixture. Stir and heat thoroughly. Serve with cooked noodles or rice.

OUR CITY COUSIN

When Biddy is broody, She's sharp with her beak. City Cousin found out on a visit last week.



Production vs. Price Controls



Meat price controls are aimed at helping to curb inflation. We can all sincerely hope that they will succeed in this. Swift & Company will abide by these controls.

On the other hand, I think there's a better way of doing our part in controlling inflation. I refer to the program worked out together by farm and ranch organizations, various meat packers, and others. This broad plan was presented to the government. It aims directly at curing the cause of inflation—too much money bidding for too little produce. Here's what our livestock-meat industry proposed:

First, encourage an increased supply of meat. What we need is more livestock, not less. Do everything possible to induce ranchers and farmers to raise more and better meat animals. Encourage them, also, to produce more feed and to use it efficiently. Reduce livestock death and injury losses. All those things can be done. They all mean more meat.

Second, take steps so there won't be so many inflated dollars around bidding up prices. That, too, can be done. By pay-as-we-go taxation. By cutting down on too-easy credit. By encouraging savings. By holding down the expansion of the supply of money. And by strict economy—in government, business and individual spending. All those are strong checks against inflation.

The results would be certain. More meat, fairly distributed. The efficiency of maximum production—which we need. No loss of precious medicines and other by-products. Normal, aboveboard business instead of black market graft and waste. And a safe and sound economy for our nation both during and after this emergency. I would like to know what you think.

F.M. Simpson.
Agricultural Research Department

"Butter-'n'-egg" Wisdom

Dad teaches Junior this good rule:
"Always keep cream clean and cool.
Fresh butter in the grocery store
Makes the city folks buy more."

Your feed turns into dollars, quick,
Inside a growing baby chick.

Quote of the Month

"No one should be blamed for making a fair profit. If it were not for profit, there would be no incentive to do business. Who wants to work for nothing? We would not have any markets that were good if we did not have financially responsible concerns."

Charles Moss, Tennessee Livestock Farmer

Every Corn Row a High Producing Outside Row

A. L. Lang, Dept. of Agronomy
University of Illinois,
Urbana, Illinois



A. L. Lang

Farmers growing both corn and soybeans on the same farm can increase their corn yields by 15 to 20 percent. The way to do this is to plant the two crops in alternating paired or quadrupled rows instead of in separate fields. Three years of study on this practice at the University of Illinois has shown beyond doubt that corn yields are definitely increased with little or no effect on the yield of soybeans.

To give this practice a trial, it is necessary to own or be able to rent a self-propelled combine of a width suitable to harvest the two or four rows of beans before corn harvesting time. Planting and cultivating can be done with the present equipment and in the normal way.

This method of growing corn and soybeans makes every corn row virtually an outside row, thus exposing the leaves of the plants to much more light, air, and perhaps lessens the competition between plants for water and plant food. The corn plants grow more sturdy, they stand better, the ears are larger, and the grains are more plump. There is also a greater opportunity of increasing yields through thicker planting.

Increased yields of any crop require greater quantities of plant food and higher soil productivity. This method of increasing corn yields will not be effective unless there is sufficient available plant food in the soil to take care of the increased yields, and the productivity of the soil must be sufficient to permit maximum yields.

Soda Bill Sez...

What we need today is the common sense of our common men—not the wisdom of our wise men.

People who are always gazing into a crystal ball are apt to get all balled up.

If you don't fool yourself, you won't care about fooling others.

When you've reached the end of your rope, don't let go; start climbing!



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"Who Buys Your Livestock?"

You'll see the various ways that producers of meat animals sell their livestock when and where they decide it will be to their best advantage. This brand new, colorful animated film runs 9 minutes. Instructive and fun. Ideal for school, church, lodge or farm meetings. For 16-mm. sound projectors. All you pay is transportation costs one way. Write:—



Swift & Company

UNION STOCK YARDS, CHICAGO 9, ILLINOIS

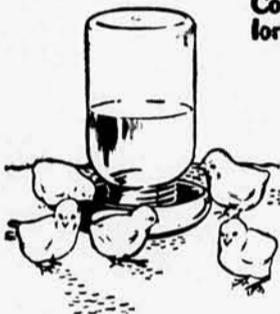
Nutrition is our business—and yours

NEEDLESS DEATH..



Took These Chicks!

Countless are the chicks needlessly sacrificed in the first critical days of brooding. Much of this loss could be prevented. Much of it is being prevented . . . by the simple precaution of using FUNJOL in the drinking water. RESULTS? Many folks who use FUNJOL report death losses cut to one per cent . . . or less! It's because FUNJOL makes the drinking water SAFE for baby chicks, by reducing bacterial counts to SAFE levels. FUNJOL greatly lessens chance of disease spreading among chicks from contaminated water.



Continually Destroys Germs of Fowl Cholera, Pullorum, Some Strains of Fowl Typhoid, in the Water

FUNJOL is Gland-O-Lac's famous ANTISEPTIC for the drinking water. Without FUNJOL, the water may be sanitary only a few minutes a day. FUNJOL continually acts to destroy germs of these common diseases. FUNJOL checks growth of the fungus *Monilia Albicans*, a frequent cause of mycosis. FUNJOL checks development of slime and scum . . . makes cleaning easy. It's palatable, chicks drink readily.

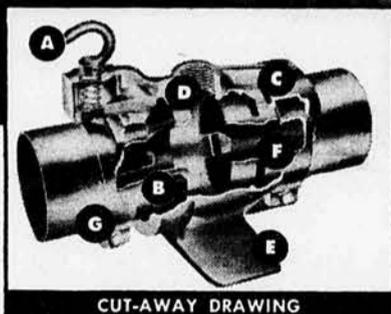
Get FUNJOL today at your Hatchery, Drug Store, Feed or Supply Dealer. Use it for the first three weeks at least. 8-oz., 75c; Pint, \$1.25; Quart, \$2; 1/2-Gal., \$3.50. A pint will start 100 chicks.

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NEWS



From Your STATE CAPITOL

Kill Wheat Tax Bill

The "Wheat Tax" bill was killed March 29 in the Senate. This bill would have levied a one-mill tax on sales of wheat to finance wheat-research studies. Had the bill passed, a Kansas Wheat Commission of 7 members would have been created. The proposal concerned promotion and advancement of Kansas thru development of industries and markets based on wheat. Details of this proposal were reported in this column in March 17 *Kansas Farmer*.

Disagreement was voiced on an amendment to the bill which authorized the Governor to appoint members of the commission without recommendations from the Kansas Wheat Growers Association, booster of the bill. However, the association went on record as willing to substitute a clause authorizing the Governor to appoint the commission from a list of nominees made by wheat growers of each district in a public meeting. This provision did not meet Senate approval. The Senate voted to approve \$150,000 for wheat-research work by the Kansas Agricultural Experiment Station and its outlying experiment stations.

Farm Bureau Bill

The "Farm Bureau" bill divorces Kansas State College Extension connections with the county Farm Bureaus but left united county and state Farm Bureaus. After January 1, 1952, new county Extension Councils will be operating to conduct Extension educational programs in agriculture, home economics and 4-H Club work.

The measure, originating in the House, ran into Senate disapproval. On March 26 the Senate approved amendments of its own agricultural committee—to divorce county Farm Bureaus from the Kansas Farm Bureau but leave local bureau units working in connection with the Kansas Extension services. But when the bill went to the Governor for approval the House version largely prevailed.

Under the new law, county Farm Bureau equipment will go to the newly-formed Extension Councils. Each township and each city not a part of a township will select 3 members. Each council will select an executive committee made up of chairman, secretary, treasurer, and 6 members. One duty of this group will be to hire the county agent. The county-wide group will be responsible for Extension educational programs. Members may be representatives of any farm group. The county Farm Bureaus now will be on the same footing in county activities as any other farm group.

The new councils will be financed by state and county appropriations.

Gas Tax Bill

The 5th-cent "Gas Tax" bill was signed into law by Governor Arn, extending for 2 years the 5th-cent tax on gasoline. The measure will provide counties about \$3,500,000 a year for street and road improvements. Cities will receive upwards of \$1,500,000 for similar improvements. Senate and House discussions (on the shrinkage bulk that retail gasoline dealers should be allowed) had delayed passage of the

bill. Agreement was reached at 3½ per cent, half a per cent more than previously. The Senate had boosted the shrinkage allowance from 3½ per cent to 4 per cent. The tax-free shrinkage allowance will save bulk dealers about \$180,000 a year.

Veterans Affairs

Governor Arn has signed into law a bill that exempts military personnel in the enlisted brackets from paying state income taxes on the first \$1,500 of their income, and allows extra time for filing returns. Exemptions will be granted servicemen in uniform after December 31, 1949.

If a serviceman or servicewoman died while serving with the armed forces, the entire amount of his pay during the calendar or tax year of the death would be exempt from state income tax.

In another veterans measure, sent to the Governor March 30, the Kansas Office of Veteran Affairs will be abolished on July 1. Work will be consolidated under a new 3-member Kansas Veterans Commission in the Kansas Social Welfare Department. The new office is to provide various services for Kansas men and women veterans.

Oleo Bill

The "Oleo" bill was killed by the House. Had the measure passed, it would have repealed an old law which forbids serving oleomargarine in all state institutions.

Trees for Windbreaks

The 1951 Legislature approved a measure continuing sales of nursery stock by the Fort Hays Experiment Station for windbreaks and other plantings. The measure was introduced as a House resolution. Western Kansas representatives felt stock sold by the station has greatly aided farmers of that part of the state. Opponents believed the resolution put the state in business in competition to private nurseries. Other opponents questioned the activity as a function of a State Experiment Station.

School Board Law

A bill concerning recodification of Kansas school laws drew state-wide attention when it was found no provision was made for the public to inspect records of boards of education. An amendment to the bill on this inspection was approved by House and Senate. The bill, sent to the Governor March 28, also moves the annual school meeting date from April to June. A chief purpose of the bill is to consolidate and clarify existing laws relating to common-school, rural-school, and community high-school districts and to boards of education in 1st- and 2nd-class cities.

Also slated to be approved by the Governor is the disorganization of several hundred nonoperating rural-school districts.

These Bills Killed

Among proposals killed during the legislative sessions:

- (1) Reorganization of the State Fish and Game Commission.
- (2) Outlawing slot machines entirely and legalizing them in private clubs.
- (3) Free textbooks for school children.
- (4) A 3 per cent sales tax and repeal of the state income tax.
- (5) Dividing state liquor gallonage taxes with cities and counties.

Try Linoleum Cement

I have found by applying a coat or two of linoleum cement to the rubber defroster fan blades when they become limp, it will make them more effective. —Mrs. Myrtle Odland.

Invited to Field Day

AGRONOMY Field Day will be held at the Kansas Experiment Station, Manhattan, June 4 and 5, it has been announced by H. E. Myers, head of the department of agronomy at Kansas State College.

Because of the large numbers attending field day the event has been arranged for 2 successive days. Groups will meet at the Agronomy Farm at 1:30 o'clock either day, after which they will tour the experimental work in progress.

Doctor Myers explains the college would like to have people from approximately the Kansas river north as guests on the first day, and those from the Kansas river south on the second day.

Named New FCA District Director

Ray Teagarden, La Cygne, is new district director of the Farm Credit Administration in Wichita, to fill the unexpired 3-year term of W. Carlton Hall, Coffeyville. Appointment of Mr. Teagarden was made by the governor of the Farm Credit Administration in Washington, D. C. The 7-man board to which he was named meets monthly.

Mr. Teagarden is interested and has been active in agricultural programs, and has been a farmer all his life. He has been Master of the Kansas State Grange the last 4 years. He served on the local board of the Farm Bureau, as secretary of the Farmers Union and as a member of the State Production and Marketing Administration advisory committee.

The other Kansan on the 7-man board is Ralph L. Wagner, Cimarron.



Ray Teagarden

Name State Fair Board of Managers

Members of the board of managers of Kansas State Fair, to be held at Hutchinson, September 16 to 21, 1951, recently were named at a meeting at Hutchinson. They include: Perry H. Lambert, president, Hiawatha; William Condell, vice-president, El Dorado; R. C. Beezley, treasurer, Girard; Virgil Miller, secretary, Hutchinson; Elmer McNabb, Pleasanton; Everett Erhart, Stafford; P. A. Wempe, Seneca; Harold E. Staadt, Ottawa; M. E. Rohrer, Abilene; Donald Christy, Scott City; Walter A. Hunt, Arkansas City; Herbert H. Smith; and Lew H. Galloway, Wakeney. The executive committee consists of the president, vice-president, treasurer, Mr. McNabb and Mr. Erhart.

Barrow Show

(Continued from Page 24)

Judges of the show were Paul Zillman, agricultural counsel, Kansas-Nebraska Chain Stores Council, Kansas City, Mo., and John H. Dohogne, agricultural service department, John Morrill and Co., Ottumwa, Iowa.

After the grand champion barrow had been dressed and chilled 24 hours, Merrill Werts, of John Morrill and Co., Topeka, reported dressing percentage was placed at 72.49 per cent. Average dressing percentage is about 70. The junior division champion showed a dressing percentage of 70.26 per cent.

Final emphasis on quality of the grand champion hog was available in the report on the percentage of the most valuable, 5 final cuts. Those include ham, loin, picnic, belly and butt cuts. The champion entry hit a 68.59 per cent of carcass figure for those 5 cuts. Average runs between 64 and 65 per cent.

Other exhibitors having entries in the barrow show were: Joseph F. Foster, Topeka, Hampshire; Lloyd Cole, Topeka, Chester White; Roy Martin, Broughton, Chester White; O. H. Weaver, Carbondale, Duroc; Leslie F. Funston, Abilene, Hampshire; Dean Funston, Abilene, Berkshire; Victor Goering, Halstead, Duroc; Albert Morgan, Alta Vista, Poland China; Herb Schroeder, Walton, Poland China; K. C. Widler, Burns, Poland China; Albert Kientz, Wamego, Duroc.

Sponsors of the show have hopes the size of the event will continue to grow. Sometime in the future it may develop into a 2-day event, with judging of entries in the morning of the first day. Then top entries could be dressed during the show and dressing percentages would be available in the afternoon of the second day. It would lend valuable information and interest to the producers.

\$5.50 FEED BONUS

FOR EACH 200 CHICKS YOU RAISE ON THE

Albers "3 Step" Plan!

STEP 1 Feed your chicks ALBERS CHICK STARTER exclusively from the first day thru 8 weeks of age. 200 average chicks will consume up to six 100-lb. bags of ALBERS CHICK STARTER during this period. There is one Feed Bonus Coupon in each bag of Starter, worth 25c on the purchase of ALBERS PULLET GROWER (the 2nd step in the Albers 3-Step Plan). If you buy 6 bags of Chick Starter, your coupons will bring a total saving of \$1.50 when you buy ALBERS PULLET GROWER.

STEP 2 Feed your pullets exclusively on ALBERS PULLET GROWER plus grains, from their 9th week until first eggs appear. 200 average pullets will consume up to sixteen 100-lb. bags of Albers Pullet Grower, plus grains, during this vital period. There is one Feed Bonus Coupon in each bag of Pullet Grower, worth 25c on the purchase of any ALBERS LAYING FEED (the third and last step in the Albers Plan). If you buy 16 bags of Pullet Grower, your coupons will bring a saving of \$4.00 when you buy any ALBERS LAYING FEED.

STEP 3 After the first eggs appear, switch gradually from Albers Pullet Grower to any ALBERS LAYING FEED, completing the change in about one week. By continuing the feeding of ALBERS LAYING FEEDS and using your Feed Bonus Coupons, you can save up to \$5.50 cash feed cost. But, more important, you will have followed the ALBERS "3-STEP" PLAN to completion... the surest feeding program we know to get the most profit from your flock.

TOTAL SAVINGS \$5.50
For Each 200 Chicks Raised

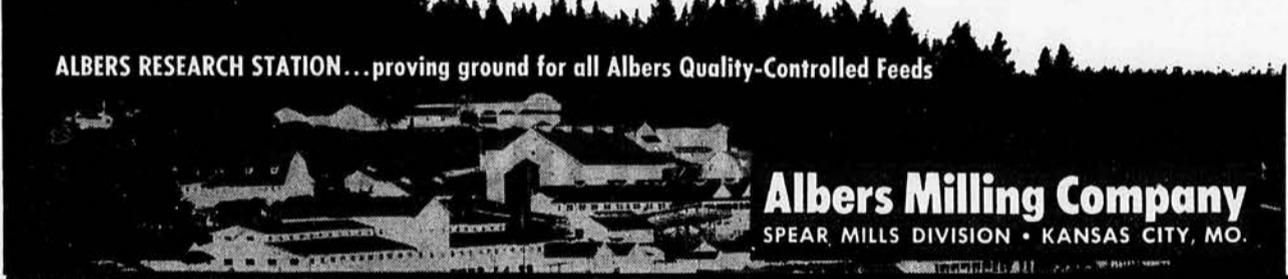
ALBERS CHICK STARTER
Contains Compound *Anti-Cox*
... with an amazing drug that helps control coccidiosis. ANTI-COX will help protect your chicks against the heavy death losses, stunted growth and reduced laying power which coccidiosis causes.

Over thirty one years ago, an extensive program of field and laboratory research on poultry problems was started at the Albers Research Station. Since that time, thousands of tests and experiments have produced a complete plan for profitable poultry raising... a plan which we sincerely believe is the best in existence.

The 3-Step program explained above is the basis of the Albers Plan. Each of these popular Albers feeds... Chick Starter, Pullet Grower and Egg Maker... contains proper amounts of all ingredients which have proved their value on Albers flocks. You can buy any of these Quality-Controlled Feeds with complete confidence that Albers has spared nothing, in time or expense, to make each ration do the most economical job for you.

And now, this year, you can follow the Albers 3-Step Plan from start to finish, at a big cash saving. Albers offers you this amazing, unprecedented saving for just one reason... to make it easy for you to test the entire Albers plan, and see what a difference really good feeds can make in your poultry profits.

See Your Albers Dealer NOW!



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Top Paying Jobs in the Government Program

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VISE-GRIP's powerful LOCKED grip makes short work of every job from the biggest to the smallest! You'll find more use for it 'round the farm than for any other hand tool. Grips anything — turns battered nuts, bolts, screws — holds broken parts — cuts wire and bolts.

WITH Cutter	No. 7W	7-in.	\$2.25
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WITHOUT Cutter	No. 7C	7-in.	1.95
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Also world famous Straight Jaw model:
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Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



CARROT NUT CAKE is golden brown and topped with lemon sauce.

Add Variety to Spring Meals

*Something cold and something hot,
Something crisp and something not,
Something sour and something sweet
Makes a meal a happy treat.*

THAT doesn't include all the rules of menu-planning, but it does suggest some useful ideas for good eating. Contrasts in textures, flavors and temperatures is good planning and hot things really hot and cold things cold is a rule forever good.

Carrot Nut Cake

Here's a golden-brown moist cake, topped with lemon sauce which will brighten the faces of your family most any day of the week. Note that it contains no flour and no liquid.

5 eggs	¼ cup bread crumbs, finely grated
1 cup sugar (beet or cane)	1 teaspoon lemon extract
1 cup raw carrot, grated coarsely	1 teaspoon cinnamon
1 cup nuts, chopped	½ teaspoon salt

Separate the eggs. Beat yolks, gradually add sugar, then beat 2 minutes until mixture is thick and pale yellow. Add carrots, bread crumbs, nuts, extract, cinnamon and salt. Stir until well-blended. Beat egg whites until stiff but still moist. Fold them into first mixture. Pour in

well-greased, floured 8- by 8- by 2-inch pan and bake in a slow oven (325° F.) for 45 to 50 minutes. Serve hot or cold with the following lemon sauce:

Lemon Sauce

2 eggs	1 teaspoon salt
¼ cup lemon juice	½ cup flour
¾ cup water	1 teaspoon lemon rind
1½ cups sugar (beet or cane)	¼ cup butter

Beat eggs, add lemon juice and water. Blend well. Gradually add egg mixture to remaining ingredients in top of double boiler or other saucepan. Cook until thick, stirring frequently. Add lemon rind and butter. Makes 1½ cups sauce. Orange juice and grated rind may be substituted for lemon.

Prune Oat Bread

2 cups sifted flour	1 teaspoon salt
½ cup sugar (beet or cane)	1¼ cups buttermilk or sour milk
2½ teaspoons baking powder	2 tablespoons melted fat
½ teaspoon soda	1 cup diced, drained, cooked prunes
1 cup rolled oats, uncooked	½ cup chopped nuts

Sift together flour, sugar, baking powder,

salt and soda. Add oats and mix well. Combine buttermilk with slightly cooled fat. Add to the flour mixture with prunes and nuts, stirring just enough to moisten the dry ingredients. Batter should be lumpy. Pour into well-greased, floured loaf pan, 9 by 5 by 3 inches. Place extra halves of prunes and whole nut meats on top. Bake in moderate oven (350° F.) about 1 hour. Turn out on rack to cool. It adds variety to the box lunch.

Rice Croquettes

A crisp croquette is a treat for the family. These may be shaped in advance, stored in refrigerator and fried in deep fat just before serving time. Remove them long enough ahead of time so they regain room temperature before frying.

1 egg	2 cups cooked rice
3 tablespoons melted butter	½ pound soft cheese
salt and pepper	fine bread or cracker crumbs
	1 beaten egg

Add one egg, butter, salt and pepper to rice and mix well. Form cheese into small balls and cover with rice mixture. Press firmly and dip in fine crumbs, then the beaten egg and again in crumbs. Fry in hot deep fat. Serve with tomato sauce if desired.

Women Give Demonstration

Four Units Meet in Franklin County



FOUR UNITS MEET: At a recent community meeting at Princeton in Ottawa county, 4 home demonstration units combined and gave a program. Included was a fireproofing demonstration given by Mrs. Lloyd Carr. She prepares to dip a sample of fabric into the fireproofing fluid. She used a mixture of borax, 7 oz., water, 8 cups; and boric acid, 3 oz.

Let's Cultivate Happiness

THOSE of us who realize we have some bad habits, usually start right out to correct them. But do we ever sit down and count our good habits and plan to enlarge them? Such as kindness, friendliness and yes, of all good habits, that of happiness! The habit of happiness looms large because it is a combination of so many habits.

We already have a good start into a new year that is ominous with uneasiness, strife and grief. We are confused and often feel there is little we as homemakers can do to make things better. But we are mistaken. There are things we can do. We can be happy in our hearts and cheerful in our outlook on life.

There is no magic formula for happiness. Too, there are some folks truly weighted down with real grief. But the fact we live in America should provide us with some measure of needed consolation. There is immeasurable satisfaction in living here despite world affairs.

Be Thankful

Happiness springs from thankfulness. Therefore, if we make it a habit to be thankful for our blessings and the favors that are ours, we can scarcely keep from being happy. Happiness is contagious and the whole world needs an exposure to it. A really happy world could do wonders!

It's strange, but wholly true that to be happy, we want the ones nearest us to be happy, too. Happiness is like the pebble tossed into still waters; its action causes waves to ripple far into the distance. It's good to know we as individuals can bring about the same effect in our community when we are happy.

On the farms, our activity in world affairs sometimes seems far too limited. Here is one thing we all can do to help strengthen the foundation of the future. Be happy! And the secret of being happy is . . . to make others happy, too!

Let's keep our faith and courage high and cultivate this good habit of being happy for a brighter future!

—By Mrs. Ruth Blackwell.

Need More Rugs?

If you are interested in making rugs, our bulletin, "Homemade Rugs," gives complete instructions with illustrations on various kinds of rugs. Included in the circular are instructions on care of homemade rugs. Please address Home Editor, Kansas Farmer, Topeka, and ask for bulletin No. E389. There is no charge.

Spring Morning

The breeze said, "Beg your pardon,"
And tapped upon my door,
The brown wren in the garden
Is building once more,
In the little wren house swinging
Over the picket gate,
The while she keeps on singing
"Late, late, late."

I leave my pots and kettles
And with seed of beets and phlox,
I plant green curls and petals,
Forgetting time and clocks.

—By Alma Robison Higbee.

Glamour in the Kitchen



Polka dots add glamour to the kitchen as well as the spring wardrobe. Now on the market is a kitchen ensemble made of Vinylite plastic, good-looking and long-wearing. Included are curtains, apron, toaster cover and covers for bowls and utensils. This new, long-wearing plastic is waterproof, mildewproof and is not harmed by greases, does not become brittle.

Answers to Flower Questions

In this issue of *Kansas Farmer* you will find article No. 6 by our flower authority, Frank Payne. It is about hardy chrysanthemums. The others have been: No. 1—Grow Flowers With Ease, January 20; No. 2—Seed Flowers, February 3; No. 3—Gladiolus, February 17; No. 4—Dahlias, March 3; No. 5—Roadside Plantings, March 17. We hope you clipped all of them for ready reference. Now, there will be a recess in these articles—next one will come to you in the August 18, 1951, issue of *Kansas Farmer*. Starting then Mr. Payne will tell you about peonies, tulips, lilies and other fall-planted bulbs. Also, he will explain how to put roses to bed for their winter protection.

However, in the very next issue of *Kansas Farmer*, dated April 21, 1951, Mr. Payne will have some answers to your flower questions. Be sure to clip these answers and add them to your scrapbook on growing flowers.

The Iris

The iris wakes when the south winds blow;
Bright blades of emerald pierce the snow.

From Easter to Armistice dawn,
Their gleaming swords will guard the lawn.

The iris captures every tint
A flaming rainbow heaven sent,
Midday their glory seldom mars;
Nights bearded beauties face the stars.

King Solomon with all to please,
"Was not arrayed like one of these."

—By George Nicholas Rees.

My Adopted Babes

I am thankful for a great joy,
Blessings of my girl and boy.
These two young hearts, my burning dreams
The business of my soul, it seems.

To me, she's beautiful and fair,
Five short years of watchful care.
And he of three has won my heart
Tender, clinging love from the start.

I am thankful for a great joy,
Blessings of my girl and boy.
Not of my flesh and blood, you see,
Yet, just as near and dear to me.

—By Eunice Branum Souder.

Morning, at an Old Barn

The clean-swept clouds are wispy,
white,

A rain crow calls, and on the hill
A night cooled breeze lifts quiet leaves
And then suddenly is still.

Old harness, spliced a bit with rope,
Hangs on a peg, and one old plow
Claims space beneath a mowing blade
In a stable with the cow.

A triple-colored mother cat
In a manger, feeds her young,
Cleans three fuzzy furry coats
With her efficient washrag tongue.

—By Mary Holman Grimes.

A Boy's Praise

I have a sister I'm proud of,
She's "tops" with the kids we know,
A pal to the girls, the boys as well
Her good manners and thoughtfulness show.

Fellows complain of their sisters,
Mine, I'd not trade for another,
"What makes her so fine?" Dad smiles
everytime,
"Because she's so much like your mother."

By Camilla Walch Wilson.

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



\$4,000 prize winner, Grand National Baking Contest, Waldorf-Astoria. Mrs. Robert G. Walker, Kenosha, Wisconsin. Adapted by Ann Pillsbury.

HALF-TIME SPOON ROLLS

BAKE at 400° F. for 15 to 20 minutes. MAKES 18 rolls.

Dissolve 1 package active dry yeast (or 1 cake compressed yeast) in ¼ cup warm water. ** Combine ¼ cup sugar, ½ cup shortening, 1 teaspoon salt*, ¾ cup scalded milk in large bowl. Cool to lukewarm by adding ½ cup cold water. Blend in 1 egg (or 2 egg whites) and the dissolved yeast. Add 3½ cups sifted Pillsbury's Best Enriched Flour*; mix until well blended. Place in greased bowl and cover. Let rise in warm place (85° to 90° F.) until double in bulk, 45 to 60 minutes. Stir down dough. Spoon into well-greased muffin tins, filling ½ full. Let rise in warm place until batter has risen to edge of muffin cup and is rounded in center, about 45 minutes. Bake in moderately hot oven (400° F.) 15 to 20 minutes.

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

RED STAR IS THE FIRST 3-WAY IMPROVED DRY YEAST

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







"Use part of your bread dough to make CARMEL ROLLS!"

says Betty Crocker



3 Loaves of Bread and 1 1/2 dozen Caramel Cream Rolls... made from one dough!

USE ONLY GOLD MEDAL FLOUR

Make..... Yeast Bread Dough (recipe below)

Roll one piece of dough into a rectangle, 8x18-in.
 Spread with... 1/4 cup soft butter
 Sprinkle with a mixture of... 1/2 cup sugar, 1/2 tsp. cinnamon, 1/2 cup raisins

Roll up, beginning at wide side. Seal well by pinching edge of dough into a roll.

Cut into 18 slices.

Place in oblong pan, 13x9 1/2 x 2-in., a mixture of... 1 cup brown sugar, 1/2 cup cream

Lay slices in the pan; cover with damp cloth; let rise at 85° until impression remains when dough is touched gently with finger... 30 to 45 minutes. Bake 30 to 35 minutes in moderately hot oven (400°). Makes 1 1/2 dozen rolls.

YEAST BREAD DOUGH

Mix together in large mixing bowl... 4 1/2 cups lukewarm liquid (*milk, water or potato water), 5 tsp. sugar, 2 tsp. salt

Crumble into mixture... 2 cakes compressed yeast (**or 2 pkg. dry granular yeast)

Stir until yeast is well dissolved.

Add... 4 tsp. soft shortening or Wesson Oil

Mix in with spoon or hand... 14 to 14 1/2 cups sifted GOLD MEDAL Flour, adding in 2 additions amount necessary to make dough easy to handle

Turn out on floured board; knead until

surface of dough is smooth and blistered in appearance (about 4 minutes). Round up; place in greased bowl; turn once to bring smooth side up. Cover with damp cloth and set to rise at 85° until indentation remains when two fingers are pressed deeply into dough (double in bulk)... 1 1/2 to 2 hours. Punch down dough. Round up and set to rise again at 85° until not quite double in bulk... 30 minutes. With sharp knife cut dough into 4 pieces. Shape 3 pieces of the dough into loaves as follows: Flatten dough into oblong shape, pressing out all air. (Work with closed fists, back of fingers on dough.) Fold dough in half lengthwise, flatten again. Lift by ends and pull, slapping center of dough on table several times to elongate (size should be about 15 x 5-in.). Bring the two ends to the center, overlap them and seal well by pressing down firmly with knuckles. Take hold of further edge of long side and fold over 1/2 of way toward you and seal well with heel of hand. Fold dough over another half way and seal; fold again to edge nearest you. Seal again and roll back and forth a few times to tighten. Seal each end. Put into greased loaf pan, 8 1/2 x 4 1/2 x 2 1/4-in. Cover with damp cloth and let rise at 85° until impression remains when dough is touched gently with finger... 50 to 60 minutes. Bake 25 to 30 minutes in hot oven (425°).

*If raw milk is used, scald and cool to lukewarm.

**If dry granular yeast is used, follow the pkg. directions. Or, add in 1/2 cup warm water. Stir thoroughly before adding to liquid mixture in recipe. Subtract the 1/2 cup water from total liquid in recipe.

IMPORTANT: Do not use self-rising flour (sold in parts of the South) with this recipe.

*Betty Crocker and **Kitchen-tested are reg. trade marks of General Mills

Avoid costly baking failures...use GOLD MEDAL FLOUR for all bakings

The flour you use in a recipe costs only a few pennies. Yet if it fails, your baking can fail—and other expensive ingredients may be wasted.

Avoid costly failures. Use Gold Medal "Kitchen-tested" Enriched Flour for everything you bake. The fine baking qualities of Gold Medal never vary. You can

count on every cupful—every time! Each sack contains 5 or 6 tested Betty Crocker recipes—plus coupon for Queen Bess pattern silverware. Higher value coupons in thirty 25, 50 and 100 pound sacks. These fine cotton sacks are unprinted. Their paper labels soak off. Get Gold Medal Flour today!

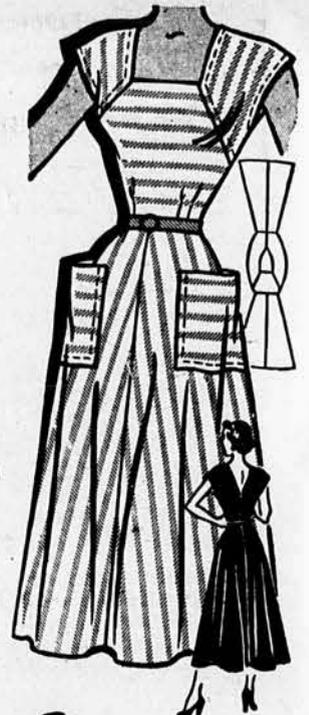


Gold Medal Flour Makes Wonderful Bread

Patterns for All

4756—A few hours of simple sewing for this sun dress. Sizes 12 to 20. Size 16 takes 3 1/2 yards of 35-inch.

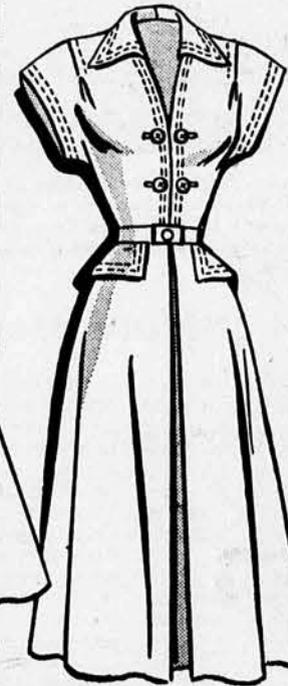
9082—New dress with wide winged collar and hip flaps. Sizes 12 to 20; 30 to 42. Size 16 takes 4 1/2 yards 39-inch.



4756
SIZES
12-20



9026
SIZES
12-20
30-42



9082
SIZES
12-20
30-42

9026—Cool convertible with scalloped bolero. Sizes 12 to 20 and 30 to 42. Size 16 dress 3 3/4 yards; bolero, 1 1/2 yards 35-inch.

9209—Slim and youthful with bows and stitching. Sizes 34 to 50. Size 36 uses 4 1/2 yards of 39-inch.

V4762—Add 2 dresses but make only one. Sizes 2 to 10. Size 6 takes 1 1/2 yards; 3/4 yard contrasting 35-inch.

4788—Sleeveless dress with button-down side. Teen-age sizes 10 to 16. Size 12 takes 3 1/4 yards of 35-inch.



9209
SIZES
34-50



V4762 SIZES 2-10



4788
SIZES
10-16

Pattern Numbers	Size	Name
		Route
		Town
		State

Pattern numbers starting with V are 25 cents, others 30 cents. Fill out coupon above, enclose money or stamps and send to Fashion Editor, Kansas Farmer, Topeka.

Little Tot Stories

Plenty Trouble

I left 5-year-old Billy with his daddy while I spent the evening with a friend. When I returned I found him in tears. "What's the matter, baby?" I asked. "Oh mummy," he sobbed, "all evening I've been having trouble with your husband."—By Mrs. I. E. K.

New Names for 'Em

I was trying to teach my 4-year-old Mary to count, and also the names of the days of the week. "Oh mummy, I know the days of the week," one day she announced triumphantly. "Monday, Tuesday, next Thuesday, there's Foursday and Fivesday."—By Mrs. I. E. K.

Natural Curiosity

My husband was rushed to the hospital for an appendectomy. Our little 3-year-old son, wanting to know about his father, inquired when I told him his daddy was coming home soon, "Is daddy going to bring home a baby?"—By Mrs. I. E. K.

The Genuine Article

We took our 2 small daughters to see Santa Claus in town just before Christmas. On the way home they were talking together about Santa. Six-year-old Janet declared, "I don't think that was the real Santa Claus, because he had a false face." "Well," 4-year-old Betty replied, "Anyway, I know that candy he gave me was real."—By Mrs. B. P.

Really Surprised

My little granddaughter, aged 4, was spending some time with me on the farm in the summer and my sister came to see us. Sarah soon asked her for a story and she responded with a true story about her 3 sons when they were little. When she had finished, Sarah's eyes beamed with joy and she said, "Oh, Aunt Emma! I never knew before that you hatched out 3 babies!"—By Mrs. P. H. R.

Why, of Course

During my civics class, I asked them this question: "If the president, vice-president and all the members of the cabinet should die, who would officiate?"

John, aged 11, answered quickly, "The undertaker."—By Mrs. I. E. K.

Up-to-Date

Little Ann, aged 5, was playing house in the corner of a living room. A neighbor, in for a visit, picked up her big doll and said, "What a nice dolly you have. Does she say, 'Mama,' when you hug her?"

"No, she's a modern doll. When you hug her she says, 'Oh, Boy!'"—By Mrs. H. L. F.

I Wonder

My nephew, little "Wild Bill," likes to get right at the bottom of things. One day, while watching the water drain from the bathtub, he rolled his big blue eyes up at his mother and asked, "Mother, where is the plug to drain a river?"—By Mrs. M. H. G.

Good Service

One day when our daughter was small, we started out to visit at her grandparent's house. We came to a corner and I read the big sign to her. It said, "Five miles to G—."

She apparently thought the highway department had just rushed out and put up the sign for she asked in amazement, "How did they know we were coming?"—By Mrs. G. I. T.

2 New Leaflets

The hostess will welcome these two entertainment leaflets. A clever playlet, of 7 characters, entitled, "Stephen Foster's Vision." It is something different and interesting. Stephen Foster, the American song writer, composed more than 100 Negro melodies.

The other leaflet, "A Musical Wedding Party," has 15 characters. We can recommend both leaflets for interesting and clever entertainment. Please address Home Editor, Kansas Farmer, Topeka. Price 5c each.

Notes from the BEET SUGAR KITCHEN

by Nancy Haven



IT'S Betty Crocker's* NEW CHOCOLATE ANGEL FOOD MADE WITH BEET SUGAR AND SOFTASILK*

WHAT A CAKE! When you sample that cloud-like texture, taste that delicate flavor—you'll know why this Angel Food is The Cake Of The Year.



HERE'S THE SECRET. You turn the trick by beating the sugar with the egg whites to a stiff meringue. This way, you avoid the risk of overbeating—a common cause of Angel Food failures. Pure Beet Sugar dissolves quickly which is important to the success of your cake. And Beet Sugar helps bring out the fluffy lightness and the tenderness which makes this such a marvelous Angel Food.

WHAT A CONTEST! What could be easier than thinking up a name for this cake. Get the recipe, the entry blanks and all the information on The Cake Of The Year Contest—at your grocer's today. And remember—you have 109 chances to win!

MONEY—MONEY—FOR YOU TO WIN
1st PRIZE \$5,000 3rd PRIZE \$1,000
2nd PRIZE \$2,000 4th PRIZE \$500
 FIVE PRIZES OF \$100 EACH
 ONE HUNDRED PRIZES OF \$10 EACH

Marvelous...with Beet Sugar

Whether it's a delicate Angel Food Cake or any other sweet treat, you'll find Beet Sugar brings out the best in your baking. So make this 100%-American product your stand-by.

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INVEST TODAY Buy U. S. Security Bonds Remarkable Results

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

You Run No Risk
 Buy a package of Walko Tablets today at your druggist or poultry supply dealer. Use them in the drinking water to aid in preventing the spread of disease through contaminated water. Satisfy yourself as have thousands of others who depend upon Walko Tablets year after year in raising their baby chicks. You buy Walko Tablets at our risk. We guarantee to refund your money promptly if you are not entirely satisfied with results. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Sent direct postpaid if your dealer cannot supply you. Price 60c, \$1.20, \$2.50 and \$4.00.
 Walker Remedy Co. Waterloo, Iowa

LLOYD BURLINGHAM'S

SKELGAS FARM REPORTER

Just Help Yourself

I tell you a garden is a great thing. It's vegetables I mean—not flowers. Flowers are beautiful and inspiring.

But in 1951, and for how many more years none of us knows, cabbage, potatoes, lettuce, radishes and even cauliflower are beautiful. They're food—and food's the thing.

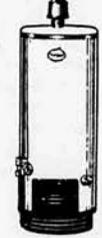
A garden takes nothing from anyone. It serves you, but at the expense of no one else. It doesn't get all tangled up in government food regula-

tions. No price ceilings, no roll-backs, no rationing.

You just help yourself to lush productions of healthful green food, chock-full of vitamins, and good for what ails you.

Saving on the family food bill is patriotic, and profitable. A garden is part of the war program. It helps fight inflation. I tell you, altogether, a garden is a great thing. Just help yourself.

Hot Water Without Work or Worry!



This is an ideal time of year to say good-bye to old-fashioned ways of heating water for your home. Change now to the new-fashioned workfree Skelgas Thrift-Omatic way!

Your bath is always ready, there's always plenty of just-right hot water for shaving, house cleaning,

every household need—when there's a Skelgas Thrift-Omatic Water Heater in your home.

Fueled by dependable Skelgas, the Thrift-Omatic Water Heater stays thrifty! Always the same low cost! No elements that can burn out, need replacing! No outages!

Skelgas stays on the job, serving you silently, perfectly—no matter what the weather. Sizes and models to fit every need. See your local Skelgas dealer now!



Housewife tells joys of Skelgas Thrift-Omatic Hot Water Service

"About a year ago, we had a Skelgas Thrift-Omatic Water Heater installed in our home. I hardly know how to express my satisfaction with the convenience and pleasure of always having hot water every minute of the day or night . . . by simply turning on the faucet.

"Even on washdays and when we are using our automatic dishwasher, there is always plenty of hot water for the five in our family. We also use Skelgas for refrigeration and cooking."

Mrs. Tom Mattox Milroy, Indiana

HINTS for House and Garden

Ant time is coming. To get rid of these pests, find the ant hills and pour kettles of boiling water down each of them.

To rid rooms of stale tobacco smoke, just mix a small amount of diluted ammonia with a bowl of fresh water. Let stand overnight in room.

That "fresh paint odor" will go away faster when you set a pail of water inside a freshly painted room.

Confused about Social Security?

In order for a farm worker to qualify for Social Security, he must be continuously employed for an entire quarter, that is, 13 weeks. After that, he will automatically continue on Social Security, as long as he works for that same employer at least 60 days, and earns at least \$50, in each quarter.

SKELGAS FAMILIES FAVORITE RECIPES

QUICK COFFEE CAKE
 Everybody likes coffee cake—it makes a "special occasion" out of an ordinary breakfast and it's always good for simple refreshments when guests drop in. I know you'll like this "Quick Coffee Cake" because it's so simple to prepare and takes only 25-30 minutes to bake. Add chopped nuts to the topping for special occasions.

Batter:
 1 1/2 cups flour 2 tablespoons butter
 1/3 cup sugar 1 egg (beaten)
 1/2 teaspoon salt 1/2 cup milk
 1 1/2 teaspoons baking powder

Mix well. Pour into greased pan. Sprinkle with topping.

Topping:
 3 tablespoons sugar 1 tablespoon flour
 1 teaspoon cinnamon 2 tablespoons butter

Mix well. Sprinkle on batter just before baking. Bake in moderate oven (350°-375°) for 25-30 minutes.

Mrs. F. M. Cunniff
 Crookston, Minnesota

Your Favorite Recipe may win \$5 if it's published here. Please keep a copy, as none can be returned. Send it today to Dept. F-451.

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

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

Gentle, effective relief

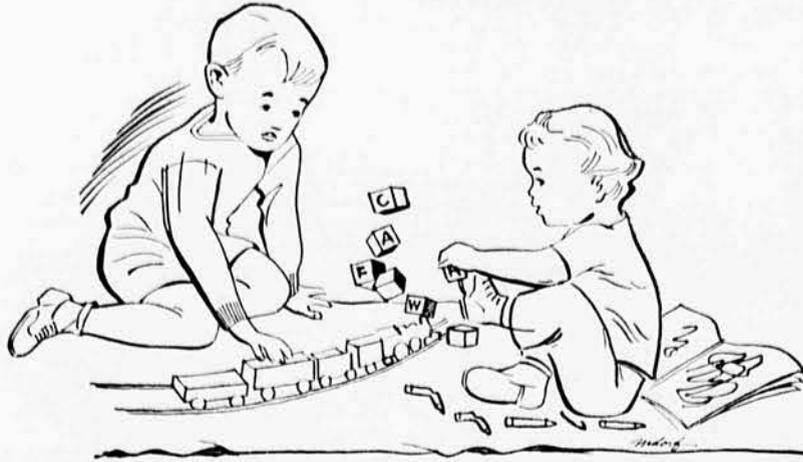
Pleasant, minty-flavored Dr. Caldwell's acts mildly, brings thorough relief comfortably. Helps you get regular, ends chronic dosing. Even relieves stomach sourness that constipation often brings.

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

DR. CALDWELL'S SENNALAXATIVE

Buy U. S. Savings Bonds

When the Toddler Is On the Loose



TODDLER ON THE LOOSE: If blocks are shared he wants even more blocks. He breaks crayons, even eats them.

BILL really is a good little fellow but he's 18 months old, full of curiosity about things around him and eager to express himself. He wants to take part in his sister Judy's and older brother John's activities, but has no idea how to go about it. So he knocks over their block houses, runs off with their favorite toys, sits on their crayons and snatches their puzzles. The more they scream, "No, Bill," the more excited and mischievous he becomes.

If blocks are shared with him he runs off with them or wants even more blocks. They can't give him crayons because he marks floors, furniture and walls with them, even eats them. If he were in a nursery school, he could use crayons all right for he would have supervision, but mother can't supervise when she's busy in another part of the house.

Give Bill time! Eventually his brother's and sister's disapproval will

penetrate his consciousness and in order to play with them, Bill will imitate them. Suddenly, almost overnight he will change from a baby into a little boy and a good playmate, if Judy and John can live that long. To them it may seem doubtful.

As do practically all toddlers, Bill says, "No, No," on almost all occasions, even when he means, "Yes, Yes." It's characteristic for toddlers.

When Judy and John learn to phrase their request to Bill in a gentle way with diplomacy, they will have a loving little brother on their hands instead of a balky mule. Bill, intrigued by their tenderness, responds wonderfully well to this kind of treatment.

Has a Temper Tantrum

When he is given orders instead, he sits on the floor, kicks his heels, grows red in the face and has a temper tantrum. But approach him on the oblique and he may act like a lamb. Instead of barking, "Bill, come take your bath," a wiser way is "Want to play with your rubber duck in the bathtub, Bill?" Approached in the first case, even the trotting happily toward the tub, a self-respecting 18-month-old tot yells, "No, No." What he needs is tactful handling, as tactful as for the adolescent, so the negative habit won't grow on him. The right way and he will grow out of it.

No practical father or mother would take this to mean that one never says "No," to a toddler. If Bill grabs for the butcher knife or reaches for the hot stove or darts into traffic, of course we shout "No" in a don't-mean-maybe voice. If we save that voice for emergencies instead of using it all day, it usually will stop the oncoming disaster.

Obedience is an end much to be desired, but not always completely realized. Children should obey their parents, but parents in turn should not provoke their offspring to wrath. The big job is to learn how much obedience to expect at each age for each child.

Know How to Crochet?

Crocheting has come back into vogue! If you never have crocheted, we have an instruction sheet entitled, "A B C of Crochet," which shows you how easy it is—all the know-how you'll need. Illustrated instructions make them easy to follow. Also in this 4-page leaflet are instructions for making a pair of woolly mittens and some warm gloves. For a copy of this leaflet, please address Home Editor, Kansas Farmer, Topeka.

The toddler is a nuisance. He gallops thru the house doing all things to all people and all things. From morning to night, we could shout "No" until hoarse and he would arise the next day to do a repetition. Those who resent him most and would cheerfully confine him in the nearest nursery school are his older brother and sister.

"I wish I didn't have a baby brother," 5-year-old Judy said bitterly. Mother said, "He's just a little boy. Wait a year and he will be a nice playmate for you. You were just like Bill when you were his age."

Under her breath mother sighed, "No one is so hard on the wrongdoer as a reformed sinner."

To Mend Linoleum

When linoleum becomes worn or broken at the edges, try the sealing-wax method of repair. Melt sealing wax and run it carefully into the break and smooth it flat before it cools.

Old Percolator Useful

I store reusable frying fat in an old percolator. Fat strains thru percolator coffee basket as it is poured in. When needed, the fat is poured from spout.—Mrs. B. T.

They Dry Out

If you have table or bed linens that are used rarely, say once or twice a year, why not dampen them in between times? Cottons and linens are cellulose fibers that gradually dry out and if not moistened will crack especially in the folds. Dampening them several times yearly prevents slow deterioration.

Shop Before Buying

If you are in the market for an electric dishwasher study all the models. Some have doors on the side, some on top. A side door leaves the top for a work surface, but has one disadvantage . . . just-rinsed dishes may drip onto the floor while being placed inside. With a top opening, the dripping goes into the washer. So study all the models before you buy.

Grass Seeding Hint

Grass seed can be sown uniformly by sifting it over the ground thru a household strainer.—Mrs. Anna Young.



Praises fast action of New Dry Yeast

Everest Woman Champion Cook at Kansas Free Fair

Eleven-year-old Helen Betty Westermann admires her mother's collection of cooking awards. In 1950 Mrs. Ernest Westermann won 17 ribbons at the Kansas Free Fair in Topeka . . . where she was named a Champion Cook. She also won 22 ribbons for her food exhibits at the Atchison County Fair.

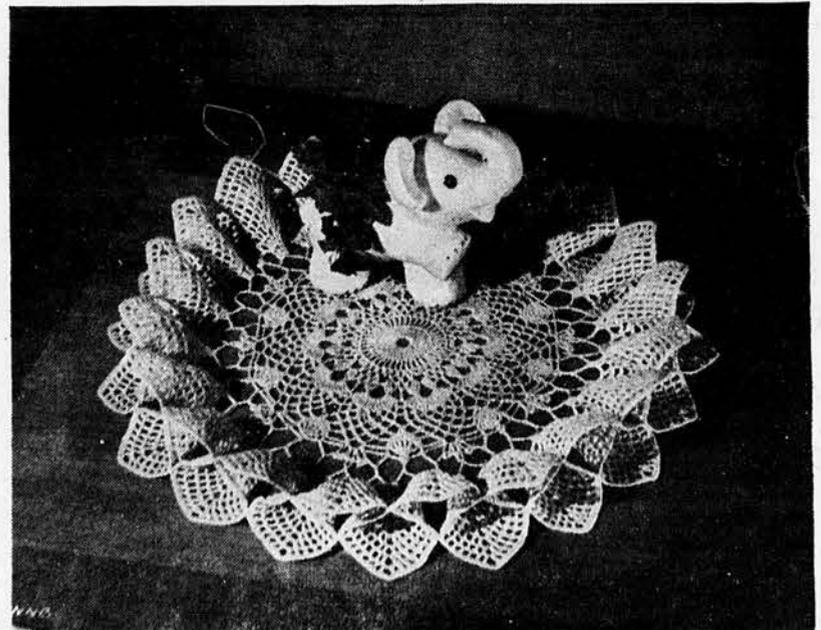
"I can always count on good results with Fleischmann's New Improved Active Dry Yeast," says Mrs. Westermann. "I like

its fast rising action . . . and the way it dissolves so quickly!"

You can't beat it—the rich, delectable flavor of yeast-raised goodies. So wholesome and nourishing, too! When you bake at home, use yeast. And use the best—Fleischmann's New Improved Active Dry Yeast.

It's faster . . . faster working, faster dissolving. So much easier to use! Get several packages of this New Dry Yeast . . . you'll be glad you did!

Popular Ruffled Dolly



Popular ruffled doily that measures 9½ inches in diameter made in size 30 crochet thread. Send 5 cents for pattern No. D-139 to the Needlework Editor, Kansas Farmer, Topeka.

Coming Events

- April 9—Jefferson county, junior leadership training, Oskaloosa.
- April 9—Ellis county-wide bindweed meeting.
- April 10—Brown county district co-operative improvement meeting, Hiawatha, Memorial Auditorium.
- April 10—Johnson county, meeting, "Sewing for Young Mothers."
- April 10—Harvey county swine and sheep tour with Carl G. Elling, Extension specialist.
- April 10—Ellsworth county bindweed control meeting in morning.
- April 10—Miami county Kaw Valley Guernsey district show, Paola.
- April 11—Cloud county, district information school with Lisle Longsdorf, Harold Shankland and Gene Warner, Concordia.
- April 11—Shawnee county, seed certification school, Topeka, sponsored by Kansas Crop Improvement Association and KSC Extension Service.
- April 11—Sedgwick county farm management meeting, Wichita.
- April 11—Shawnee county, Kansas Crop Improvement Association and KSC Extension, seed certification meeting, Topeka.
- April 11—Labette county, district Farm Bureau meeting.
- April 11—Barton county, district Extension planning conference, Kinsley.
- April 12—Lyon county spring beef tour.
- April 12—Labette county, spring beef tour.
- April 12—Labette county, stag party, Oswego.
- April 12-13—Miami county, 4-H clothing leaders training school.
- April 12—Barton county farm management membership meeting, with Gladys Myers and Marion Pearce.
- April 13—Scott county district information school, Sharon Springs.
- April 13—Ellsworth county certified seed producers district meeting, Beloit.
- April 13—Mitchell county, district meeting of crop improvement leaders training with L. E. Willoughby and L. L. Compton.
- April 13—Jewell county 4-H judging school, Mankato, 7:30 o'clock.
- April 13—Elk county advisory committee to meet for first program planning of 1952.
- April 14—Chase county spring beef show, Cottonwood Falls.
- April 14—Ellsworth county beef show, with Ray Hoss, judge, of KSC, Ellsworth.
- April 14—Kearny county 4-H social and box supper, Lakin.
- April 14—Kingman county 4-H Club day.
- April 14—Jefferson county-wide 4-H spring tea and fashion show, Oskaloosa.
- April 14—Brown county, better beef day, Horton, 9 a. m. to 4 p. m.
- April 16—Sedgwick county meeting on shelterbelts, Wichita.
- April 16—Smith county, family life lesson by Mrs. Vivian Briggs, KSC Extension specialist. For all family life project leaders.
- April 16—Johnson county, public policy discussion with C. R. Jaccard, Olathe or Rock Grange.
- April 16—Finney county, publicity school for Extension agents, PMA chief clerks of Southwest Kansas, Garden City, Warren Hotel.
- April 16-18—Linn county, leaders conference, Hutchinson.
- April 17—Kingman county home management meeting.
- April 17—Graham county certified seed growers' school, Hill City, court room.
- April 17—Barton county sheep tour with Carl G. Elling.
- April 17—Southwest district Milking Short-horn show, Garden City, fair grounds.
- April 18—Sedgwick county meeting with W. G. Amstein, KSC horticulturist.
- April 18—Barton county, landscape planning meeting with Charles Parks, KSC specialist.
- April 18—Thomas county, district crop improvement school, Colby.
- April 18—Labette county, farm poultry visits, with Bill Seaton, KSC specialist.
- April 19—Pottawatomie county, farm management association outlook meeting.
- April 19—Kingman county North Central Kansas Milking Short-horn district show.
- April 19—Kingman county farm forestry meeting, Kingman.
- April 19—Kiowa county spring lamb and wool show, Haviland.
- April 19—Rush county, sheep and swine school, with Carl Elling, KSC specialist.
- April 19—Labette county, Extension agents' district planning school.
- April 19—Finney county, district certified seed growers school, Garden City, American Legion Building, 10 a. m.
- April 19—Information conference, Holton.
- April 19—Cloud county, contour tillage demonstration with Harold Harper, Walter Selby and Harold Ramsour.
- April 19—Seward county, 4-H food leader training school with Elizabeth Randall, KSC specialist.
- April 20—Ellsworth county 4-H-FFA crops judging school, Ellsworth.
- April 20—District planning conference, Topeka.
- April 20—Barton county recreation school for leaders, with Virginia Green, KSC specialist.
- April 20—Ottawa county, soil conservation field day and tour with KSC specialists Harper, Ramsour and Selby. Meet at Farm Bureau office, 10 a. m.
- April 20—Morton county, 5-county beef tour.
- April 21—Sedgwick county lamb and wool show, Wichita.
- April 21—Wabaunsee county's annual spring beef show, with 4-H and FFA judging contest being held in the morning.
- April 21—Barton county, Lewis FFA judging field day, Larned.
- April 21—Finney county, Southwest Kansas 4-H and FFA judging school, Garden City fair grounds.

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"BURDEX SPECIAL" TRACTOR WEED SPRAYER—Rugged construction for real service on general purpose spraying. All-brass 14 ft. 4-row boom. Famous "T" Jets. Universal mounting brackets. Direct drive all Ni-Resist gear pumps, up to 100 p.s.i., up to 12 g.p.m. Watts relief valve—adjustable 25 to 75 lbs. Complete with fittings, (connections for garden hose couplings). 2 1/2" pressure gauge. Less barrel and hose. \$140 Value. **\$84⁵⁰ PP**

WEEDMASTER MODEL A-50—Designed for "big sprayer" performance. Easy to mount on all tractors. 5 row (17 ft. coverage) or 7-row 23 ft. 150° nozzle angle. Spraying height adjustable, 18 to 54". Non-clogging. Sturdy mounting brackets—Universal, spring load, boom. Heavy, long life, galvanized inside and out. Gear pump all bronze case and gears. Stainless steel shaft; Direct drive. Fits standard 1 1/2" or 1 3/4" take off shaft. Up to 100 p.s.i.—up to 12 g.p.m. Complete except barrel. \$160 Value 5-row **\$106⁵⁰ PP**

7-row **\$114⁵⁰ PP**

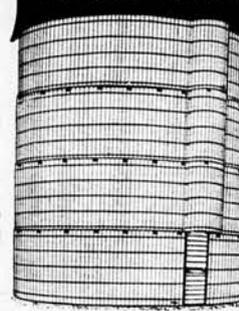
Send for sprayer details or big catalog of surplus items: Air compressors, water pumps, power plants, tools, etc.

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Save on HAND SPRAYERS
BURDEX ECONOMY KIT—Green Bronze Gear Pump. Shorty hand boom. Heavy duty gauge, relief, shut-off, strainer mountings, less hose. Ideal for liquid, weed and insect sprays. **\$56⁵⁰ PP**
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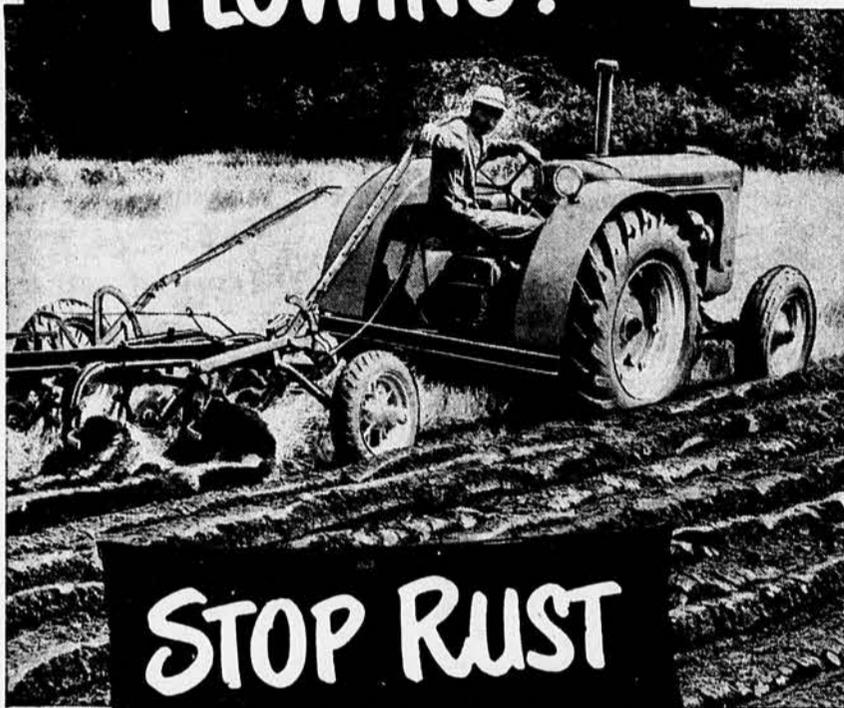
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**World's First Anti-Rust Gasoline...
SINCLAIR GASOLINE with RD-119**



Magnified carburetor jet, showing how speck of rust can clog passage. This causes stalling, sputtering.

Army Cutworms Infest Kansas

Army cutworms are damaging wheat and alfalfa fields over most of Kansas. Dr. Roger C. Smith, Kansas State College entomology department and state entomologist, reports poison will control the pest. The poison should be applied in late afternoon or early evening (at temperature as high as 60 or 65 degrees) as cutworms feed at night. Doctor Smith states the best poison to mix with bran and sawdust is toxaphene. Chlordane is second best. DDT is cheaper than any of these, says Doctor Smith, but not nearly so effective. Sprays used to control greenbugs also will kill army cutworms.

Application of poison need not be applied generally, but only to spots where cutworms are working. One application often will control the pest.

Larvae of cutworms overwinter in the state and are the first to become active with warm spring weather. Wheat that is attacked by the pest may survive. Cutworms do immediate and serious damage to alfalfa when larvae feed on plants in warm spring weather.

Entomologists say if cutworms cause only slight damage to leaves and weather conditions are favorable, plants will recover.

Poultry Industry Council Elects

Newly-elected president of the Kansas Poultry Industry Council is A. D. Mall, Clay county farmer. Other officers elected and membership groups they represent are: vice-president, L. B. Stants, Abilene, Kansas Hatcherymen's Association; secretary, L. F. Payne, Manhattan, head of poultry husbandry department, Kansas State College; treasurer, J. E. Hayes, Manhattan, Kansas Bankers Association agricultural committee. Mr. Mall represents the Kansas Poultry Improvement Association.

In addition to these men, the following were elected to the board of directors: M. C. Cool, Concordia, Kansas Poultry Institute; Floyd Raymon, Galena, Kansas Turkey Federation; Kimball L. Backus, Topeka, Kansas State Board of Agriculture marketing division.

State 4-H Workshop

Leading crafts and recreational instructors will be on the staff of the 6th annual state 4-H Club camp workshop at Hutchinson, April 23 to 27. A partial list of instructors includes: D. Merrill Davis, supervisor of music, city schools, Jackson, O., group singing; Max Casper, recreation therapist, Menninger Foundation, Topeka; Frank A. Staples, National Recreation Association, New York City; Virginia Lee Green, Kansas State College Extension recreation specialist, dramatics and sports; Anton Pearson, Lindsborg, wood carving; Mrs. Jim Cunningham, El Dorado, rug weaving, and Arvid Anderson, Salina, leather crafts.

Heavy Heifers

Heifers which have been wintered on 5 pounds of grain per head daily usually carry too much flesh in spring to follow ordinary methods of the Kansas deferred program. R. B. Cathcart, Kansas State College animal husbandryman, says such heifers should be full-fed during summer rather than put on grass without grain.

Useful Bulletins

For those who plan to remodel or modernize farm homes and buildings this spring, we have selected the following USDA bulletins. Information in each one is reliable and up-to-date with many illustrations, and we are glad to recommend them to our subscribers:

- F.B. 1749—Modernizing Farmhouses, 62 pages, price 20c.
- F.B. 1756—Selection of Lumber for Farm and Home Building, 46 pages, price 15c.
- F.B. 1832—Farm Fences, 60 pages, price 20c.
- F.B. 1869—Foundations for Farm Buildings, 44 pages, price 15c.

Please address Farm Service Editor, Kansas Farmer, Topeka.

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10 interchangeable attachments for hundreds of farm jobs. HORN-DRAULIC will help you solve your manpower problems.

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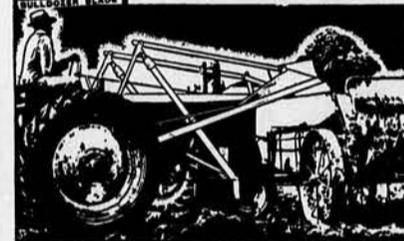
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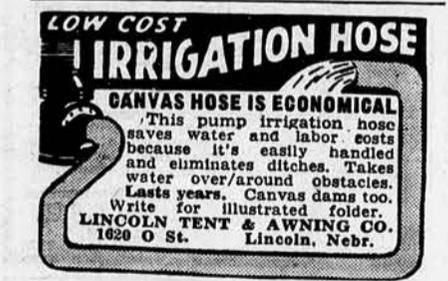
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Vacation Talk

(Continued from Page 8)

churches in due time deeded the park to the state YMCA.

Next the United States government came and established a CCC camp, in which young trainees from thruout the country received instructions and enjoyed this beautiful spot. Then the oaks hung their nodding branches as during the war Nazi prisoners of war were stationed under their protecting shade. This was for a short time, as war's end soon came to the world. Once again cheery voices filled the air as 4-H campers, as well as others, came for summer outings.

Now Lincoln Park is a busy place during summer. Records for the last 2 years show in 1949 there were 581 campers in 44 days. For 1950 enrollment was much higher, as 11 different sessions were held from May 31 until the last of August. Groups holding camp were various church and youth organizations, including Girl Scouts, with ages ranging from children of the fourth grade to older adults. The camp is controlled by the West Central council of the YMCA and administered thru a local executive board with William Tice, of Beloit, as chairman.

Can Accommodate 150 Campers

Camping facilities at Lincoln Park are excellent as buildings can accommodate 150 campers and staff. The park is available to groups, organizations or individuals for camping sessions, group meetings or picnics. Rate is 50 cents a day a person and this includes cot and mattress, dishes, dining and kitchen facilities with gas for cooking, and showers with hot and cold running water. Special rates are made to picnickers or groups for day sessions using the mess hall. There are 2 large barracks for sleeping quarters for girls, and one for boys, a large recreation hall, chapel, mess hall and kitchen, shower building, car shelter and caretaker's house with full-time caretaker during the season. The recreation hall has a place for a store at one end. A large pop cooler was installed last year so cold drinks are on sale for campers.

Much work and improvement have been done the last 3 years on grounds and buildings, with practically all volunteer work, Hi-Y boys, ministerial groups, women's organizations, and local businessmen all have helped with improvement.

The YMCA Council plans to make the east side of the camp, under the beautiful oaks, the picnic area, with a large, new shelter house. It also plans to build a swimming pool on this east side, as well as a shuffleboard.

If you are planning on a camping outing this summer and are studying different camps in the state here's a tip. Be sure to give serious consideration to historical Lincoln Park, the state YMCA park in North Central Kansas. But get your name in early for camping dates.

Annual Feeder's Day

Date for the 38th annual Feeder's Day program at Kansas State College this year is set for May 5. Rufus Cox, head of the animal husbandry department, announces reports of all animal experimental work done during the year will be made. All experimental livestock will be available for inspection on conducted tours. Since about 5,000 persons attended the 1950 event, plans are to hold the 1951 afternoon program in the new college Field House. This is the only building on the campus that will house the expected record crowd. Capacity of the Field House is 13,000.

Safe Water Important

Because a water system is a relatively permanent installation, it should be given a great deal of study before spending money for labor and equipment. The 46-page USDA bulletin, "Safe Water for the Farm," has reliable information with many illustrations which will be of great help to you if you want a good water system that is safe. A copy of the bulletin will be sent upon request and 3c mailing charges, to Bulletin Service, Kansas Farmer, Topeka. Please ask for F. B. 1978.

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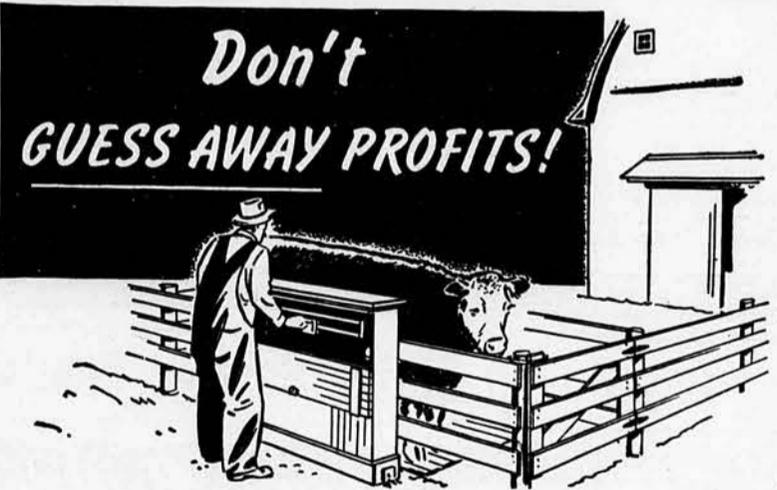
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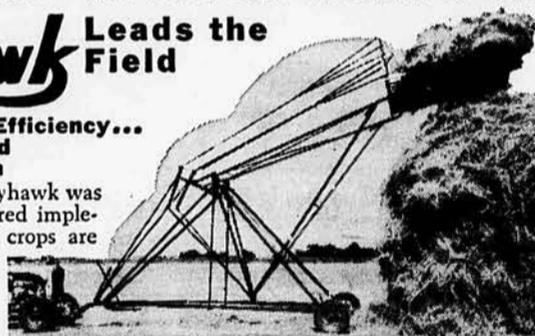
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You Need Good Equipment

(Continued from Page 1)

shed-type houses, mounted on skids. At farrowing time 2 of these sheds can be shoved together and joined at the ridge to make a 6-sow farrowing house, with a service alley in the center. The skid-mounted sheds have wood floors.

"When sows and litters are ready to go out on pasture," says Mr. Chase, "sheds can be moved separately out on the grass and serve as both shade and shelter. This type house is easy and inexpensive to build."

Heat Lamps Are Used

Farrowing pens inside the hoghouses are equipped with guardrails for pig safety. Heat lamps are suspended over the center of each pen rather than over corner brooders. "I like center lamps," Mr. Chase explains, "because they help keep bedding dry." Bales of straw are put around outside of houses at farrowing time to cut down floor drafts.

"Two litters of spring pigs this year came on nights when weather was zero and I never lost a pig," states Mr. Chase. Had his houses not been adequate he might have lost several because of the cold, he believes.

During winter, fall-farrowed pigs run with cattle in the lots but also have access to several large self-feeders. These feeders are large enough so they are refilled only once in 3 days, which is an important item in cutting down chores. Another piece of equipment that has sold itself to Mr. Chase is a hog waterer equipped with a light bulb that prevents freezing. He knows his pigs are going to do better in cold weather if they always can have plenty of water.

When we visited the farm Mr. Chase was busy putting finishing touches on a self-feeder for minerals, salt and supplement. "It won't be too long now," he says, "until hogs will be going out on pasture. With this self-feeder they can do a better job of balancing their ration than I can, and it will save a lot of work, too."

"Has the Perfect Answer"

Biggest chore of all, of course, is getting feed for cattle and hogs ground and put where the animals can eat it. Mr. Chase believes he has the perfect answer in equipment he is now using. It consists of a good truck, a good tractor, and a portable feed grinder.

"Because I still don't have things worked out so I can raise all my feed I have to have a good truck," he says, "to haul feed from town or from wherever I can get it. Of course, there are a hundred things you can do with a good truck right on the farm."

With the use of his tractor and portable grinder, which is operated by power take-off on the tractor, Mr. Chase has eliminated one scooping job. He drives his grinder to wherever the feeding is to be done. Grinding is done on the spot and the finished feed is in self-feeder or bunk with no more fuss or bother.

Yes sir, having the right equipment is becoming more and more important as farm help gets higher priced and harder to find. If you have been putting off buying something you really need to do a better job of farming, think again. That piece of equipment may be the one thing that could keep you going.

Build Electrical Equipment

A new 32-page booklet with 2-color illustrations shows how to build some 2 dozen pieces of electrical farm equipment. It gives detailed diagrams and drawings of inexpensive equipment that can be built largely from scrap material around the farm. It is designed to help the young farmer.

Included in the book are plans for an electric drill stand; wiring diagram for a simple bell or buzzer system; a simple and inexpensive poultry water heater; a homemade study lamp, a trouble light; portable outdoor light and many other simple electrical gadgets or equipment.

We have made arrangements with the publisher, Westinghouse, to have a copy of the booklet sent free upon request to Bulletin Service, Kansas Farmer, Topeka,

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What Has This to Do With Farmers

(Continued from Page 9)

by the President. It is viewing with suspicious eyes the "Point Four" presidential program of spending American billions to "develop backward areas" along socialistic lines abroad.

But what Congress will do on the showdown probably will depend upon how the voters back home feel about the rule by the Executive being substituted for government by law.

The lessons of history seem at least to make this point plain: The ruler who can engage his people in war, arouse their patriotic enthusiasm for the war, tax them to carry on the war and conscript their children to fight the war, and inflate the currency to finance the cost above the taxes collected—that ruler has the nation and its people under his thumb.

Paralleling the increase in the Executive's power thru crisis after crisis, the attendant inflation, taxation and controls; the eclipse of Congress, has been the huge increase in government payrolls. Federal. State. Local. Every payrollee added to the government is good for from 3 to 5 or more votes. So is bureaucracy built up—federal, state and local.

The payroll vote and the payroll influence, plus that of contractors, leaders of special groups, and other beneficiaries of huge government spending programs, tend to become dominant in elections—national and state and local. (Ohio last fall demonstrated that the domination can be broken; but so far Ohio has been an isolated instance. The 1952 general elections may tell the tale.)

A too-little-noticed side issue accompanies the usurpation of legislative power by the executive; the inflation; the heavier taxation; the militarization of the country.

That is the arrogance of elective public officials and bureaucrats in regard to how the people's money is spent—and lent. (Note the RFC investigations; and the enraged attitudes of public officials generally when someone rises to question their expenditures of public moneys.)

What has this to do with the farmer? Just about everything.

The farmer loses his rights and freedoms as an individual—and he is the most individual of the individuals in this country.

Two great nations have gone a long way in extinguishing the freedom of the individual—Russia and Britain. In Russia the farmer has been collectivized—or liquidated. In Britain the farmer who does not operate his farm in accordance with the Labor government directives can be removed from his farm, see it operated by someone more appreciative of government controls.

There are indications that thru the Welfare State program the United States is following the path of Britain. And Britain, without consciously intending it, may be following the path of Russia.

The American farmer has a great interest in the form of government under which he, and his children after him, will have to live.

Grass Seed Booklet

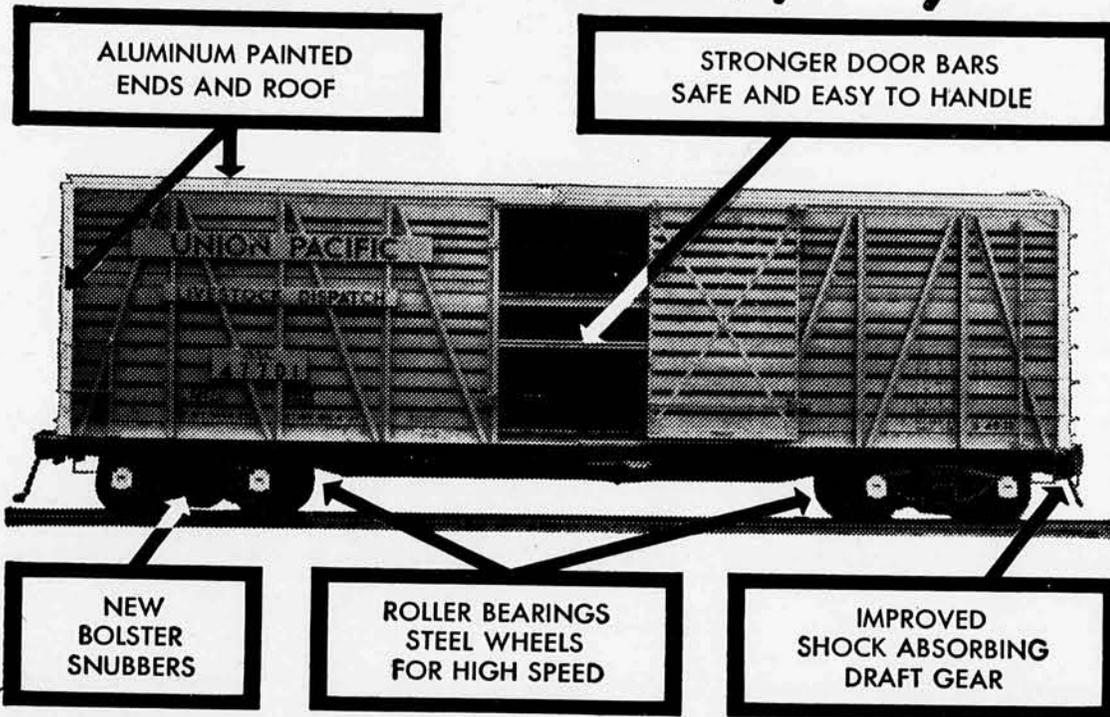
Here is information on where to get seed of suitable range grasses. The Kansas PMA office, Manhattan, states a copy of a list of 92 concerns that are either buyers or sellers, or both, of the seed of 23 grasses, may be obtained from the U. S. Southern Great Plains Field Station at Woodward, Okla. The list also is of value to producers of range grass seed who have been looking for buyers for your product.

Up in Mabel's Attic

Five women are required for this new playlet which in reality provides a musical program. All should be able to sing passably well and at least one of them play a ukulele, banjo or some similar instrument. It will provide good entertainment for community club, church, or school. Send 5 cents for "Up in Mabel's Attic," and address the Entertainment Editor, Kansas Farmer, Topeka.

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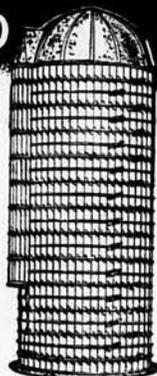
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Making Poultry Raising More Profitable on Kansas Farms

By E. R. Wise

(Continued from March 17 Issue)

Pullorum Classes

Pullorum disease is widespread. It exists in every section of the United States where appreciable number of poultry are kept. Heavy financial losses result from the death of baby chicks, lowered egg production in hens and pullets, reduced hatchability of hatching eggs, and occasionally the death of hens due to generalized pullorum infection. Pullorum is essentially a disease of young chicks, transmitted through infected eggs and spreads under favorable conditions in the incubator and brooder. All chicks suffering from any outbreak of pullorum does not necessarily succumb; many remain stunted and become pullorum carrier chicks and adults. Fortunately this disease may be controlled by the removal of all individuals in the breeding stock that react to the pullorum blood tests.

U. S. Pullorum Controlled

In the U. S. Pullorum Controlled class all chickens 5 months of age or older that are to be retained as breeders must be tested by qualified pullorum testing agents. The number of reactors for each flock on the last test must be less than 2%. A sufficient number of these birds are check-tested by state inspectors to satisfy the agency that the classification has been obtained.

U. S. Pullorum Passed

In the U. S. Pullorum Passed class all birds must be tested to 0%. A sufficient number of these birds are check-tested by inspectors to satisfy the agency that the classification has been obtained.

U. S. Pullorum Clean

In the U. S. Pullorum Clean class all flocks must contain no reactors either in two consecutive tests not less than 6 months apart or in three consecutive tests not less than 30 days apart. Flocks

developed exclusively from U. S. Pullorum Passed or U. S. Pullorum Clean chicks are recognized as U. S. Pullorum Clean on one annual test if no reactors are found. State inspectors must check-test 15% or more of the birds in 35% or more of the flocks.

The National Poultry Improvement Plan and administrating and supervising agencies were developed to assist the poultry industry in placing itself upon a more sound and efficient basis. Most farmers purchase chicks from hatcheries. Therefore, an organized and supervised poultry improvement program is needed for the many breeders, hatcherymen, and flock owners and the over all protection of the chick buying public. Continuous improvement of chicks is necessary if the poultry industry is to retain its place of importance in American agriculture. Good quality baby chicks, hatching eggs, and breeding stock are being produced by Association members and the National Plan terminology being used gives the buying public some protection.

Chicks with high livability and good breeding are necessary for good poultry profits. Both are essential and both are the result of a sound organized improvement program. It is not possible for hatcheries to have good chicks produced under a sound program and sell the chicks at cut rate prices. A penny saved is not necessarily a penny earned when buying chicks. The price of baby chicks is not important when compared to the breeding and pullorum program used to produce the chicks.

After you purchase the chicks it is too late to do anything, if the chicks are of poor quality. The time to consider this matter is now, before you buy. A wise saying is, "Investigate before you invest." Investigate the type of improvement program used to produce the chicks. Remember, good chicks do not just happen. They are the result of a sound program carefully carried out from start to finish.

See the April 21 issue of KANSAS FARMER for more information about Kansas Poultry Improvement Assn. hatched chicks.

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IN THE FIELD

MIKE WILSON
 Topeka, Kansas
 Livestock Editor

Southeast Kansas Breeders In Beef Type Show April 11

Cattlemen of Southeast Kansas will have an opportunity to sharpen their bull selection knowledge Wednesday, April 11, at the Hartley Shorthorn farms 3 miles north and 2 west of Baxter Springs. The occasion will be the Southwest Missouri Beef Breeders' Association bull type show. This association has members in 4 states, including several from Southeast Kansas.

Breeders of Shorthorn, Angus and Hereford will have herd sires on exhibition that day as well as several get-of-sire classes.

Lott Taylor, Extension livestock specialist, Kansas State College, will discuss the bulls from the standpoint of type, quality and conformation. Condition will not be considered in this show because these animals will be in their working clothes. The Get classes will consist of 2 animals of any age, of either or both sexes, bred and owned by the exhibitor. This class will be judged for type, quality, conformation and finish.

The program begins at 10:30 in the morning with a judging contest. Outlook for the beef cattle industry will be discussed by Mr. Taylor at 11:15. There will be lunch on the grounds and at 1 in the afternoon Mr. Taylor will judge and discuss the cattle on show.

The Hartley Shorthorn farms are owned by M. R. Hartley and son, R. F. Hartley, who started in the Shorthorn business in a small way 10 years ago. Their herd has built up to nearly 100 head of female stock that has been complemented with quality sires.

An Ayrshire cow, **PRAIRIE BELLE STANDING JUDY**, owned by Raymond Scholz, Lancaster, has been given the high rating of Approved, according to the Ayrshire Breeders' Association executive secretary, C. T. Conklin, of Brandon, Vt. The Scholz cow qualified on 2 tested daughters that averaged 11,431 pounds 4.4% milk and 498 pounds of butterfat on a twice a day milking mature equivalent basis.

DENZIL RICE & SONS, Liberty, Mo. averaged \$110 on bred gilts and \$67.50 on fall boars in their Spotted Poland China sale on February 27. Top bred gilt sold for \$162.50 to Otis Harrison, Coffeyville. Top fall boar at \$107.50 went to Don Sigmaster, Ft. Scott. Fifteen head stayed in Missouri. Kansas buyers gave the sale good support. It was a well-fitted offering, the day was favorable and local demand very good. Arthur Brinkerhoff was auctioneer.

MR. and MRS. WARREN PLOEGER, Morrill, drew one of the worst days of the 1951 sales season for their registered Hampshire hog sale at the farm. Nevertheless breeders and farmers drove several hundred miles to attend this sale and to share in the offering of top bred registered Hampshire hogs. A top of \$320 on bred gilts was paid by R. E. Dell & Sons, Filley, Neb., for a daughter of the Eagle and carrying a litter by Sunshine Symbol. Fall boars were sold up to \$125. This was considered one of the best offerings ever produced at Sunshine Farms.

A very large and interested set of Hereford breeders and farmers attended the 3-way auction at Hutchinson, on February 28. The offering consisted of consignments made up from the herds of Ed L. Crook, Ray E. Dillon & Sons and Charles W. Ragland, Hutchinson. There were also cattle from the herds of Ralph Chain & Son, Haven; Orin Chain & Son, Haven, and Phil Adrain, of Moundridge. Eighteen bulls which were mostly 1950 calves averaged \$404 per head. Fifty-seven females averaged \$428 and 75 head were sold for a general average of \$422 per head. Gene Watson, Hutchinson, conducted the sale in a very satisfactory manner.

History was made as far as prices were concerned by the **MARSHALL COUNTY HEREFORD BREEDERS' ASSOCIATION** at their annual sale March 5 at the sale pavilion in Marysville. A top of \$905 was made on bulls, the figure being paid by Dean Duback, Belleville. High figure reach on females was \$700 for a bred heifer from Elmer E. Peterson, and sold to O. W. Jones & Son, Frankfort. Fifty-one bulls averaged \$505, 20 females averaged \$405 and 71 head figured a general average of \$477 per head. The sale was very capably managed by the veteran Hereford breeder, Elmer E. Peterson, Marysville. Freddie Chandler did the selling.

Around 150 head of registered Hampshire hogs were sold in the sale at the **O'BRYAN RANCH** at Hiattville on March 3. The offering consisted of sows, gilts, fall gilts and fall boars. The bred gilts sold up to \$335 per head, that figure being paid by C. H. Langdon, Edgerton, for a bred gilt carrying the service of Ideal Bound. Five states were represented by buyers at the ring side. Fall boars sold as high as \$285. Kenneth Burge, Wathena, paid that figure for the top-selling boar of the day. Wayne Whalen, Topeka, bought the 2nd top boar at \$250. Fall gilts were sold from \$45 to \$155 per head. This was considered one of the good sales held in recent months at O'Bryan Ranch.

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

DOGS

Black English Shepherd Pups shipped COD on approval. Breeder 30 years. Special price for this month. H. W. Chestnut, Chanute, Kan.

Registered Collies: English Shepherds (not registered). Spayed females. Really heelers. E. J. Barnes, Colyer, Kan.

Rat Terrier Puppies, bred for ratters. Crusaders Kennels, Staiford, Kan.

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

RABBITS AND PIGEONS

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

AGENTS AND SALESMEN

At Last! Something new and sensational in Everyday Cards, 21 for \$1. Make extra money fast! Show Satin, Velour, Metallic Cards. Get orders easy. Big line \$1 Assortments. Scented Stationery. Personal Matches. Kiddie Books. Imprints free. Two \$1 boxes on approval. Puro Co., 2801 Locust, Dept. 187-D, St. Louis 3, Mo.

SAVINGS AND LOANS

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

WANTED TO BUY

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

REMEDIES-TREATMENTS

Free Book - Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C406, Kansas City 3, Mo.

SEEDS

ALFALFA SEED

Hardy Midwest Grown Processed Alfalfa Seed Sweet Clover, Red Clover, Lespedeza; Ladino Clover; Kansas Brome; Timothy; many other seeds. Lowest direct to you prices, quick service, satisfaction guaranteed. Save money by mailing postal now for pamphlet, prices and large samples. JACK BOWMAN, Box 615, Concordia, Kan.

Grass and Legume Seeds-Highest quality Treated Buffalo, Blue Grama, Side Oats Grama, Blue-stems, Sand Love Grass, Red Clover, White and Yellow Sweet Clover, and many others, all at low direct prices. Miller Seed Co., Box 1823, Lincoln, Nebr.

Hybrid Watermelon Seed. Grow 50-100 pound watermelons without sandy ground. 500 watermelon and 200 cantaloupe seeds \$1.00. Free catalog. Air Line Farm, Rossville, Kan.

Pure Iowa Goldmine and St. Charles Seed Corn, \$2.75 bushel. Free samples. L. C. Felgley, Enterprise, Kan.

PLANTS AND NURSERY STOCK

Strawberry Plants-Certified Blakemore, Dunlap, Aroma, Klondike and Klommore, 100-\$1.00; 500-\$4.50; 1,000-\$8.00. Giant Robinson and Premier, 100-\$1.50; 500-\$6.50; 1,000-\$12. Everbearing Strawberries-Large, thrifty plants, will bear this year. Mastodon Gem and Streamliner, 50-\$1.25; 100-\$2; Thornless Boysenberries, 25-\$2.100-\$7.50; 2-yr. bearing size, 10-\$2; 25-\$4.00. 12 Large Rhubarb, \$1. 25 Asparagus \$1. Special offer, 100 Dunlap and 50 Gem Everbearing, \$2. Everything postpaid. Other hardy mountain grown plants. Price list free. Ideal Fruit Farm, Stilwell, Okla.

Frostproof Cabbage and Onion Plants-Large, stinky, well rooted, hand selected. Cabbage-Jersey Wakefield, Charleston Wakefield, Flat Dutch, Copenhagen Market, 200-75c; 300-\$1.00; 500-\$1.50; 1,000-\$2.50. Onions-Crystal Wax, Yellow Bermuda, Sweet Spanish, 300-\$5c; 500-\$1.25; 1,000-\$2.00; 2,000-\$3.50. All postpaid. Prompt shipment. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Tex.

Strawberry Plants-Hardy northern grown, double suspected. Dunlap, Blakemore 200-\$2.00; 500-\$4.50; 1,000-\$8.50. Premier, Giant Robinson, Bellmar 200-\$2.50; 500-\$5.75; 1,000-\$11.00. Giant Gem, Streamliner, Minnesota 1166 everbearing 100-\$2.25; 500-\$10.00. Gladolus-Florist-Mix, 17 Varieties, blooming size 125-\$1.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Ia.

Quick Bearing Fruit and Nut Trees, Shade Trees, Grape Vines, Berry Plants, Everblooming Rose Bushes and Flowering Shrubs at Money Saving Prices. State and Federal Inspected. Satisfaction Guaranteed. Write today for Free Colored Catalogue. East's Nursery, Amity, Arkansas.

Hybrid Seed Corn: With quality, standability. Improved U.S. 13, DeWalls 901, "C" 92, \$7.50. Small flats, \$5.00. Treated. Freight paid. Special prices, agents commissions. Write DeWall Seed Co., Gibson City, Ill.

Strawberry Plants - 200 Blakemore, Dunlap, \$2.00. 100 Premier, Robinson \$1.40. 100 everbearing Superfection, Marvel, Gem or Streamliner \$2.20. Postpaid. Bonaparte Nursery, Bonaparte, Ia.

FLOWERS AND BULBS

Gladolus, 120 Giant Exhibition Varieties. Giant Dahlia, Tuberos Begonias, Lilies, Cannas. Money-saving specials. Free catalog. Foley Gardens, Freeport, Ill.

FARMS-MISCELLANEOUS

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

Strout's Farm Catalog. Green cover! Mailed free! 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.

Elbert County, Colo. 870 acres improved stock-grain farm. 110 acres wheat. Living creek water. Price \$23,900. Possession. Louis Miller, Frankfort, Ind.

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.

Outdoor Toilets, Septic Tanks, Cesspools cleaned, deodorized. Amazing powder saves digging, pumping, moving. Safe, inexpensive. Details free. Solvex, Monticello, Ia.

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

April 21 Will Be Our Next Issue

Ads for the Classified and Livestock Section must be in our hands by Friday, April 13

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

CERTIFIED SEED GROWERS

Send your ad in now for the next issue of Kansas Farmer for the Certified Seed Section. Forms close April 13.

Rates: Display \$9.80 an inch, \$4.90 a half-inch (Large black face type used in these ads)

Classified 10c a word-12 words minimum

See our Certified Seed Section

Bidding was brisk and interest very keen on March 9 at the R. E. BERGSTEN & SONS annual sale of registered Hampshire hogs. Wayne Whalen, Topeka, paid \$280 for the top-selling bred gilt and \$275 for the 2nd top-selling gilt. Off-marked gilts were sold from \$105 to \$170 per head. All of the gilts sold in the sale, including registered and off belt, averaged \$150 per head. Fall boars sold from \$80 to \$120 per head. Open gilts ranged in prices from \$58 to \$75 per head. The offering was well conditioned, well grown out and very readily accepted by the buyers. Col. Bert Powell sold the offering.

Forty-two head of Angus in the C. E. REED AND NEIGHBORS PRODUCTION SALE, held at Wichita drew a large crowd. Bidding was very rapid on this fine offering of cattle. Entire offering brought the sum of \$33,325; 22 bulls averaged \$937. Top bull of the auction went to C. W. Chandler, Nocona, Tex., for \$5,400. Two females from the C. E. Reed herd brought \$1,000 each. H. H. Hunt, South Haven, purchased lot 14, Wichita Evergreen 25th, in calf to Beefmaker 153rd. Lot 18 sold to Charles Reed, Wichita. The 20 females made an average of \$635. The entire offering made a general average of \$793. Col. Roy Johnston sold the sale, assisted by fieldmen of the various livestock presses.

On February 24, breeders, farmers and friends assembled at the well-known CK RANCH at Brookville to attend one of the good Hereford sales of the season. All of the animals sold in this auction were sold for \$1,000 or more, other than 2 heifers. The 64 head cataloged were sold for the amount of \$149,165; 40 bulls made an average of \$2,566. The Denver champion carload of bulls averaged \$2,400. Top bull of the auction was CK Crusty 47th, selling to Hays Hereford Ranch, Cedarvale, for \$16,000. The 24 females in this sale sold for an average of \$1,937. Top female, lot 41, CK Cameo 86th, the 1951 Denver reserve champion, brought \$5,500 on the bid of E. C. McCormick, Wadsworth, O. General average on all lots sold was \$2,300. Twelve states were supplied with CK Herefords and a number of other states were represented.

Public Sales of Livestock

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

Ayrshire Cattle May 5-Grand National Breeders Sale, Hutchinson, Kan. G. Fred Williams, Sale Manager, Hutchinson, Kan.

Beef Cattle April 17-Northeast Kansas Angus Breeders Sale, Hiawatha, Kan. Harry Dandilker, Sale Manager, Hiawatha, Kan.

Brown Swiss Cattle April 9-John J. Alder, Carver, Minn. Norman E. Magnussen, Sale Manager, Lake Mills, Wisc.

Hereford Cattle April 7-Mid-West Polled Hereford Sale, Deshler, Nebr. Fred C. Ducey, Sale Manager, Chester, Nebr. April 17-Sutor Hereford Ranch, Zurich, Kan. April 18-Vic Roth Polled Hereford Sale, Hays, Kan. April 26-O'Bryan Ranch, Hiattville, Kan. May 21-Vic Roth, Hays, Kan. October 12-Brown Brothers, Fall River, Kan. October 22-Beeks & Cleland, Baldwin, Kan. November 1-Flint Hills Association, Cottonwood Falls, Kan. November 2-Haven Hereford Breeders, Hutchinson, Kan. November 2-Central Kansas Polled Hereford Association Show and Sale, Herington, Kan. O. J. Shields, Sale Manager, Lost Springs. November 3-Jesse Riffel & Sons, Enterprise, Kan. November 7-Cowley County Hereford Breeders, Winfield, Kan. November 10-W. H. Tonn & Son, Haven, Kan. November 12-13-Sunflower Futurity, Hutchinson, Kan. November 14-K Ranch, Hutchinson, Kan. November 19-Summer County Breeders, Caldwell, Kan. December 7-South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan. December 10-Kansas Polled Hereford Sale, Hutchinson, Kan.

Holstein Cattle April 30-Henry Topfiff & Sons Dispersion and Central Kansas Consignment, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan. May 23-Department of Corrections of Missouri, Paul V. Renz, Superintendent of Farms, Jefferson City, Mo. R. S. Caldwell, Sales Manager, 719 Gentry St., Columbia, Mo. October 10-Kansas State Holstein Association Sale, Abilene, Kan. Grover Meyer, Chairman of Sale Committee, Basehor, Kan. October 25-Central Kansas Holstein Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.

Jersey Cattle April 10-Complete Dispersion of Jerseys. H. T. Bushong, St. John, Kan.

Milking Shorthorn Cattle April 24-Vern Rorabaugh, Bellaire, Kan., and Dorothy K. Thurston, Concordia, Kan. Sale at Smith Center, C. O. Heidebrecht, Inman, Kan., Sale Manager. April 27-National Milking Shorthorn Congress Show and Sale, Springfield, Mo. Managers - American Milking Shorthorn Society, 313 South Glenstone, Springfield, Mo.

Polled Shorthorn Cattle April 9 and 10-National Polled Shorthorn Congress Show and Sale, Springfield, Ill. Clinton K. Tomson, Sales Manager, Polled Shorthorn Society, 7 Dexter Park Ave., Union Stock Yards, Chicago 9, Ill.

Duroc Hogs April 12-John Gareis, Wamego, Sale at St. Marys, Kan. April 18-Ed Knell & Son, Carthage, Mo. April 21-T. M. Gerken, Paola, Kan.

Hampshire Hogs April 12-John Gareis, Wamego, Sale at St. Marys, Kan. April 26-Joe O'Bryan Hampshire Hog Sale. (Night Sale) 7:00 P. M.

Hereford Hogs April 9-Don Shaffer Hereford Dispersion, Hutchinson, Kan. May 8-L. L. Jones & Son, Garden City, Kan.

Sheep-All Breeds May 2-Oklahoma Sheep Breeders, Enid, Okla. J. B. Hurst, County Agent, Sales Manager, Enid, Okla. May 3-Kansas Sheep Breeders' Association Ram Foot and Sale, Kansas City Stock Yards, T. Donald Bell, Secretary-Treasurer, Manhattan, Kan. May 21-Fifth Annual Purebred Sheep Breeders' Association Sale, Hutchinson, Kan. T. Donald Bell, Secretary, Manhattan, Kan.

HOGS

AUCTION

50 REG. DUROCS

Sell at the Baker Sales Pavilion on Highway 71, 1 Mile South of

CARTHAGE, MO.

April 18

30 Duroc Gilts—20 Duroc Boars

They are sired by 4 good boars of the breed's most popular bloodlines. These boars are Velvet Blend, Climax Leader, Perfect Lad A Again and Heavy-Set Fancy. The offering was farrowed in September and October. Note—We have new blood for old customers and the right blood for our new customers. Replace your grades or start a new herd by owning a boar and two or three gilts unrelated in this sale.

For Sale Catalog Write
ED KNELL & SON
KNELLVIEW STOCK FARM
Carthage, Mo., Route 1
Auctioneer: Bert Powell



JAYHAWK FARM DUROCS

The home of state and national winners. In this herd you will find the most of the best. Choice breeding stock for sale at all times. Visitors always welcome.

RALPH SCHULTE, Little River, Kansas

SUPERIOR DUROCS

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

G. M. SHEPHERD, Lyons, Kan.

OUTSTANDING DUROC FALL BOARS

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

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

HAVEN HOLLOW FARM DUROCS

Fall boars by Stylish Wonder and Low Diamond 2nd, also a few open gilts.

For further information see or write
G. F. GERMANN & SON, Manhattan, Kansas

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

PRODUCTION HAMPSHIRE **DALE SCHEEL**
Emporia, Kan., Rt. 2

EXCELLENT FALL BOARS—Plenty of length, deep sides, full hams, by Ideal Type Jubilee, Mischief Model 180 and the grand son of Knabe Special. Also few bred gilts. Home of prize winning Hampshires. W. J. Stewart, Waterville, Ks.

Poland China Fall Boars FOR SALE

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

Beef CATTLE

Dispersal Sale of REG. HEREFORD CATTLE
Monday, April 9, 1951

12 NOON

Central Sales Pavilion

HUTCHINSON, KAN.

This offering includes 30 Cows, 12 Heifers, 17 Open Heifers, 18 Bulls

OUR HERD SIRE COMPACT DOMINO 16TH SELLS

For sale information write
DON SHAFER, Owner
Box 702 Hutchinson, Kan.
Auctioneer: Gene Watson

REGISTERED Shorthorn Bulls

From calves to serviceable age. Also a few well-bred heifers. Mercury and Prince William breeding. Prices reasonable.

RALSTIN SHORTHORN FARMS
MULLINSVILLE, KANSAS

FOR SALE

Scotch Shorthorn Heifer Calves

Dark colored, thick and blocky. They are sired by Prince William 20th. Write or call or better still come to the farm.

GLENN E. LACY & SON, Miltonvale, Kansas

POLLED SHORTHORN

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

O'BRYAN HAMPSHIRE SALE

Thursday, April 26, 1951 — 7:00 P. M.

Sale to be held at the home ranch following our Hereford Bull Sale seven miles west of Hiattville on Star Route 39. Sale will begin promptly at 7 P.M.



Mischief Choice, the \$2,500 boar that sired the grand champion barrow at the International Livestock Exposition.

SELLING 75 HEAD

- FALL BOARS
- OPEN GILTS
- BRED GILTS
- BRED SOWS

All from production tested litters.

Profit thru years of production testing. O'Bryan Hampers are the Farmer-Feeder-Packer-Housewife type.

These famous sows will be carrying matings to such great sires as Mischief Choice (picture above), TRADEWIND, 1948 Illinois Grand Champion; IDEAL BOUND, littermate to 1949 Illinois Grand Champion Master Model and to CONTESTANT, son of Master Model and Northwest Star.

Fulkerson, Watson, Sims, Auctioneers

WRITE FOR CATALOG



Mike Wilson for Kansas Farmer



PUREBRED HAMPSHIRE HOG SALE

Inviting you to attend our first purebred Hampshire hog sale.

Thursday, April 12, 1951

at one o'clock, at Rezac Sale Pavilion
ST. MARYS, KANSAS

on the U. S. 40 and 24, 24 miles west of Topeka



We are featuring such bloodlines as "Our Wonder," a long, deep bodied broad back, well balanced Boar we bought of Theodore Binderup of Giddon, Neb. and Two-Bar O'Towie, a sow from W. J. Stewart of Waterville, Kansas, a Grand Fashion line, this was our start. On April 17, 1950 we attended the McGuire sale at Wisner, Neb. and bought a son of the great "Mischief Model," twice Grand Champion boar of Neb., the \$3,000 pig. We bought seven of those gilts of this same line. We bought four bred gilts sired by "The Eagle" from Warren Ploeger and others of different and very good bloodlines.

On account of our son being called into the service and enlisted in the Air Force, we are offering 19 sows and gilts with pigs farrowed from the last part of February to sale date and after. These sows were mated to Mischief Model 179th, and "Gareis Model," an Exclusive Model boar we bought at Harry Knabe's sale Nehawka, Neb. These are good broody sows that make good mothers. We are also selling five that are non-registerable.

Sacrificing our good Mischief Model 179th boar farrowed Sept. 9, 1949 and Two-Bar O'Towie our foundation.

Are offering 26 nice smooth fall boars, good bone and length. Seven of the above are not registerable.

26 well built Fall Gilts with good bone and length that will get along anywhere. Also 16 non-registerable gilts.

JOHN E. GAREIS & SONS, Wamego, Kan.

Bert Powell, Auctioneer

DUROC FALL BOAR AND GILT SALE

AT THE PAOLA SALES BARN

Paola, Kan., Saturday, April 21



40 head selected from our fine fall pig crop which averaged over 8 pigs per litter raised. Featuring pigs by DIAMOND STAR. An outstanding son of Red Diamond that we purchased from John Simpson last spring. Red Diamond was the 1948 Junior Champion of Minnesota and the grand sire of the 1950 Illinois Junior Champion. The All-American that sold for the top price of 1950 for a spring boar—\$2,150. All the dams of the offering were sired by Miami Star, a son of Star Blend which we purchased from Potter Farms in the fall of 1947.

For catalog write **T. M. GERKEN, Paola, Kan.**

Powell & Sullivant, Auctioneers

HOG BREEDERS ATTENTION!

DO YOU HAVE FALL BOARS, FALL GILTS, LATE BRED GILTS OR WEANLING PIGS FOR SALE?

Both breeders and farmers right now are thinking about where they will buy a boar to breed for fall litters. Many are interested in buying foundation or replacement gilts. The time to get them sold is during the months of April and May. The hog business during January, February and March is the best in years. It is good now.

NOW IS THE TIME TO ADVERTISE THEM

The Kansas Farmer reaches over 120,000 subscribers twice a month. A 1-inch single column ad costs \$9.80 per issue. In a 1-inch ad you can use 70 words in addition to 4 or 5 words for ad head and your name, address and route or box number. A 1/2-inch ad costs \$4.90 per issue. Use around 35 words with 4 or 5 words for ad head and name, address, route or box number.

The publication date for the last April issue is April 21. May issues, 5 and 19.

For best results run advertisement 2 or more issues. Advertising copy should reach us 10 days in advance of publication date.

ADDRESS YOUR LETTER TO

KANSAS FARMER, care Livestock Dept

912 Kansas Ave.

Topeka, Kan.

Dairy CATTLE

WANT A BETTER INCOME?

Send for FREE 1951 Guernsey Booklet!



This valuable 20-page illustrated booklet tells you why Guernsey cattle and GOLDEN GUERNSEY Milk have a proved record as a dependable source of better income! Read the facts about what makes Guernseys so profitable—how to select animals—other important information.

MAIL COUPON NOW!

The American Guernsey Cattle Club
125 Main St., Peterborough, N. H.
Please send me new free booklet—"Own Guernseys in 1951."

Name.....
Address.....
City.....State.....

THE AMERICAN GUERNSEY CATTLE CLUB

THE KANSAS DISTRICT GUERNSEY BREEDERS

are having a week of shows.

Why not take a day off and see those fine Guernseys. Shows will be held at the following places:

- ParsonsApril 9
- PaolaApril 10
- HoltonApril 11
- SalinaApril 12
- NewtonApril 13

Judging starts before noon each day.

KANSAS GUERNSEY BREEDERS' ASSOCIATION

President: W. H. Bertholf, Wichita, Kan.
Sec.-Treas.: C. J. Graber, Rt. 1, Newton, Kan.

AMERICA'S TOP AYRSHIRES

will sell in the

GRAND NATIONAL AYRSHIRE SALES MAY 5

Kansas State Fairgrounds

Hutchinson, Kansas

10 Great Young Bulls with Proven Ancestry

A grand offering of females including heifer calves, bred heifers and cows with exacting type and production breeding.

Sales begin at 10:30 A. M.

G. Fred Williams, Sales Mgr., Hutchinson, Ks.

For catalog write **AYRSHIRE BREEDERS' ASSOCIATION**

Brandon, Vermont

DAIRY CALVES. Cows, Bulls from Wisconsin's largest bonded distributors. Tested, registered Holstein, Guernsey, Swiss on approval. Low cost. Free bulletin. Write Mr. Forbes, Dairyland Cattle Company, Box 1321, Milwaukee, Wisconsin.

Complete Dispersal of REGISTERED JERSEYS and Dairy Equipment

TUESDAY

April 10, 1951

2 miles west of

St. John, Kansas

H. T. BUSHONG

St. John, Kansas

REG. JERSEY BULL

"LINDA'S AACK-AACK CAPTAIN"

A beauty at 13 months. Sire: Aack-Aack of Oz, whose first 7 tested daughters ave. 8,792 lbs. milk, 506 lbs. fat. Dam: Tejas Estrella Linda with 511 lbs. fat in 288 days, also record of 1,500 lbs. fat 3 years. Write for details.

GLENN ELY JERSEY DAIRY
Route 3 Hutchinson, Kan.

REGISTERED WISCONSIN HOLSTEIN CALVES

FOR HIGHER PRODUCTION HERDS

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

J. M. McFARLAND & SONS
WATERTOWN WISCONSIN

NORTHEAST KAN. ABERDEEN-ANGUS BREEDERS' ASSN.

will hold their TENTH sale of

REG. ABERDEEN-ANGUS CATTLE

at the sale barn 1/4 mile west on U. S. 36 on

Tuesday, April 17, 1951

SALE STARTS AT 1:00 P. M.

**55 HEAD — 15 Bulls and 40 Females
and a Number of Commercial Heifers**

All cattle in best of condition. Health certificate furnished.



CONSIGNORS	BULLS	FEMALES
Ward & Mensen, Highland	0	4
Geo. A. Hook, Morrill	0	3
Gilmore & Lewis, Highland	2	2
Sterling Gilmore, Highland	0	3
Dale A. Smith, Willis	1	7
Sunflower Farm, Everest	1	2
Henry Tegtmeler, Jr., Bern	1	3
J. C. Long & Son, Haddam	1	1
Fred H. Hahn, Rulo, Nebr.	0	1
A. S. Kern, Hiawatha	2	1
Wayne Ukena, Highland	1	1
Charles Pederson, Robinson	2	0
Roy Martin, Highland	2	0
Harry Dandliker, Hiawatha	0	7

Families represented: Blackcap, Queen Mother, McHenry Blackbird, McHenry Barbara, Enchantress Trojan Erica, Isa Trojan Erica, Pride of Aberdeen, Miss Burgess.

Get your name on the list now for free catalog, address—

HARRY DANDLIKER, Secretary, Hiawatha, Kan.

Clerk: Mrs. Max Dickerson, Hiawatha, Kan.

Auct.: Ray Sims, Belton, Mo.

Mike Wilson for Kansas Farmer

Coming — THE HENRY TOPLIFF DISPERSAL

with Consignments to the Central Kansas Breeders Spring Sale, from other breeders
Monday, April 30, Hutchinson, Kansas
(Kansas State Fairgrounds)

60 HEAD REGISTERED HOLSTEINS SELLING

Because of recent heart ailment, Henry Toplift must disperse his herd. Lewis Toplift will continue with animals of his own purchase and raising. The herd of Henry Toplift will be moved to Hutchinson, several days before the sale.

The Toplift herd is rich in Clyde Hill having used 3 Clyde Hill herd sires. There are 9 daughters of "Clyde Hill Captain Rock" selling. All the females carry the service of "Clyde Hill Emperor Ormsby Rock", except two. "Captain Rock" is a son of "Rock" from "Novella" a daughter of "Rock" of high test family.

"Clyde Hill Emperor Ormsby Rock" is a son of Weber King Hester Burke Ormsby. He is rich in KPLO and from "Crickett," dam of the (Ex) (Gold Medal) Weber Hazelwood Burke Raven.

Dam of "Emperor" is C. H. Empress Fanny Rock, from Fanny, the greatest transmitting daughter of "Zuba." You have it all here.

The Toplift herd has been on test since 1931, with but few breaks. The herd is classified for type regularly, and they have practiced calfood vaccination for some time.

The offering includes 3 cows classified (Very Good) and their female offspring, sired by the Clyde Hill sires. Here is opportunity.

Then there are several (Good Plus) selling. There are 5 daughters of the (Good Plus) brood cow, La-Top Sylvia Matador Goldy, selling.

Only in a dispersal do you have opportunity at this kind.

Other consignors: Clarence Quinn, Bennington, sends 6 head of young cows, all calfood vaccinated, including 2 daughters of L-Jal-Cee Rag Apple Starlight A1 and an own daughter of his Pebble Beach Chieftan Rag Apple herd sire, whose full sister is the (Excellent) Pebble Beach Kate. The Quinn consignment is bred for summer milk base period. Dale Werner consigns a (Very Good) daughter of Man-O-War 69th. E. S. Lyman consigns 3 bred heifers, all bred to Heersche Smoky Jack. Raymond Bollman, Edna, sends a top consignment of 2 heifers and 2 cows from the heart of his breeding program.

More consignments will be listed in the April 21 issue Kansas Farmer. We recommend this sale for buying the right kind of cows and bred heifers to freshen at the time you will need them most.

Send for catalog to T. HOBART McVAY, Sale Manager, Nickerson, Kansas
Auctioneers: Powell, Cole and Wilson



AYRSHIRE DISPERSAL SALE

Thursday, April 12, 1951

Sale at 1:00 P. M.

2 miles north, 1 1/4 miles east of

Belle Plaine, Kan.

31 HEAD

14 Cows, 14 Heifers, 3 baby Bull Calves, 2 Serviceable Bulls

Registered and purebreds. Sycamore, Penhurst, Neshmany bloodlines. Classified herd milk test 4.62% on DHIA and Ayrshire herd tests.

HOWARD W. ALLEN, Owner

August Plage, Manager, Bell Plaine, Kan., Box 116

Charles Cole, Auctioneer

**• AUCTIONEERS •
BERT POWELL**

LIVESTOCK AND REAL ESTATE
1529 Plaza Avenue Topeka, Kan.

YEARLING RAMS

30 Shropshires—6 Hampshires

Big husky fellows.

D. V. SPOHN, Superior, Nebr.

The REPUBLICAN VALLEY HEREFORD BREEDERS' ASSOCIATION broke all records in their 5th annual sale, at Red Cloud, Nebr., March 2. Fifty-four head of bulls were sold for an average of \$706 per head. Nineteen females averaged \$533. Seventy-three head were sold in the entire offering. A bull top of \$1,550 was paid by John Wilson, Inavale, Nebr., for Lot 55, an October 17th son of WHR Helmsman 107th, consigned by Norbert Borwege, Roseland, Nebr. Top female brought \$900, paid by Arch Tremble, Inavale, Nebr., for lot 52 the reserve champion of the show, also from the Borwege consignment. Col. Charles Corke sold the sale. Engaard E. Lynn, Red Cloud, Nebr., managed the sale.

The Hereford hog sale at HG HEREFORD FARMS at Colby on February 21 was attended by a fair crowd. Bidding was brisk and the offering brought a total of \$5,487 for 48 head of registered Hereford hogs. There were consignments to this sale from the herds of Kenneth Grover, Menlo; Dale Farmer, Oakley, and Art Koene-mann, Winona. The feature of the sale was the bred gilts; 35 of them averaging \$132. The top gilt consigned by Mr. Farmer sold for \$175, to Don Fisher, Meade. Top boar in the sale, also from the Farmer consignment, was purchased by Raymond Anschutz, Lucas, for \$130. The first 10 head of bred gilts selling in the auction averaged \$150.75 per head. It was considered one of the good sales of the breed in the past sales season. Col. E. T. Sherlock, St. Francis, conducted the sale.

Trend of the Markets

Please remember that prices given here are Kansas City tops for best quality offered:

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$38.75	\$37.75	\$29.50
Hogs	22.00	22.25	16.35
Lambs	41.00	40.00	29.50
Hens, 4 to 5 lbs.	.41	.33	.21
Eggs, Standards	.40	.45	.28 1/2
Butterfat, No. 1	.63	.63	.56
Wheat, No. 2, Hard	2.45 1/2	2.41 1/2	2.36 1/2
Corn, No. 2, Yellow	1.70 1/2	1.71	1.40 1/2
Oats, No. 2, White	1.07	1.06 1/2	.85 1/2
Barley, No. 2	1.49	1.57	1.18
Alfalfa, No. 1	34.00	37.00	27.00
Prairie, No. 1	16.50	16.00	14.00

SHEEP

4-H LAMBS



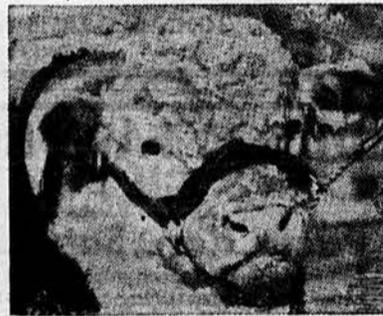
Better than 100 Head to choose from
REG. SOUTHDOWNS
Breeding Stock for Sale
VALLEY VIEW RANCH
Harold Tonn, Haven, Kansas

HAROLD TONN



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

**O'BRYAN RANCH
HEREFORD BULL SALE
Thursday, April 26, 1951**



BACA R. DOMINO 33
Sire of our Baca Duke 105

**Hiattville,
Kansas**

**150 HEAD
REGISTERED
HEREFORD BULLS**

THIS OFFERING INCLUDES:

125 Registered Horned Hereford Bulls. They are strong in WHR and DeBerard breeding.

25 Polled Registered Hereford Bulls strong in Alfalfa Lawn Farms, Circle M, and Halbert breeding.

The offering range in age from one to four years old—all of serviceable ages.

The sale will be held at the home ranch seven miles west of Hiattville on highway 39. The sale will begin promptly at 12 noon.

Following our bull sale we will hold our registered Hampshire hog sale beginning at 7:00 P. M.

Write for Sale Information
Fulkerson, Watson, Sims, Auctioneers

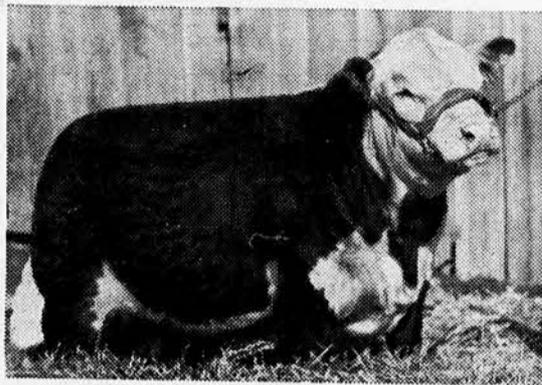
O'BRYAN RANCH

JOE O'BRYAN, HIATTVILLE, KANSAS
Mike Wilson for Kansas Farmer

POLLED HEREFORD SALE

Hays, Kansas---Wednesday, April 18, 1951

Hays Sale Pavilion - 1:00 P. M.



CAPTAIN DOMINO 7TH IS SELLING

17 BULLS — 40 LOTS — 23 FEMALES

- 7 Bulls sired by Captain Plato 8th, grandson of Real Plato Domino, National Champion in 1940 at Des Moines, Ia.
- 7 Bulls sired by Beau Domino 1st, son of M. P. Domino 7th.
- 8 Heifers sired by Captain Plato 8th.
- 5 Heifers sired by Beau Domino 1st, who is practically a 100% dehorner.
- 6 Heifers sired by Lomode 5th, grandson of Trumode Domino 8th, the famous John Rice & Sons grand champion bull at the 1944 National at Atlanta, Ga.

JOHN N. LUFT, LaCrosse, Guest Consignor
Selling

- 1 Five-year-old Herd Sire, Real Plato 12th, son of Real Plato Domino 26th by Real Plato Domino. We are selling this bull as we are retaining his heifers in our herd.
- 2 Sons of Real Plato 12th.
- 4 Heifers sired by a grandson of Victor Domino, the former John M. Lewis & Sons herd sire.

The bulls are all of serviceable age, good boned and herd bull prospects.

The heifers will all sell open and will be right at breeding ages. These heifers are all smooth headed—not a scur in the bunch.

This sale offering is practically all 1950 calves of top quality, sired by grandsons of 2 National Champions. Most of these calves are show prospects and if carried on can give a good account of themselves in future shows.

Dams of the calves selling are mostly Vanderhoof bred of Victor Domino, Beau Perfection, Real Prince Domino and Van's Domino 34th bloodlines.

Nearly all the calves are out of Polled dams.

For catalogs write
VIC ROTH, Owner, Box 702, Hays, Kansas
Col. Freddie Chandler, Auctioneer

MID-KANSAS ABERDEEN-ANGUS BREEDERS' ASSN.

11TH ANNUAL SPRING SHOW AND SALE



The oldest association of Aberdeen-Angus breeders in Kansas presents its biggest and best offering of sale cattle for your evaluation. These cattle are of higher quality than any offered in any of our previous sales.

14 Bulls — 51 LOTS — 37 Females

Thursday, April 12, 1951
Hutchinson, Kansas

Show: 9:00 a. m.—State Fair Grounds. Sale: 1:00 p. m.

ORIN JAMES, Hamilton, Missouri, Judge of the Show

Here you will find herd bull prospects and foundation females backed by years of breeding experience and the blood of many of the outstanding Aberdeen-Angus cattle in the country today. Mid-Kansas invites you to its sale and show. We believe the cattle will prove to be sound investments that will pay substantial dividends for years.

CONSIGNORS

ANDERSON ANGUS FARM, Gypsum
BILL ANDERSON, Gypsum
ED and CARL ANDERSON, Jamestown
LOYD ERICSON, Marquette
H. G. ESCHELMAN, Sedgwick
FICKEN ANGUS FARMS, Bison
H. L. FICKEN, Bison
GILLIG BROS. ANGUS FARM, Kiowa
LEE F. GORGES, Creek Valley Farm, Fall River
C. G. HEINLEY and SONS, Lyons
HETT ANGUS FARM, Peabody
JIM HONEYCUTT, Blue Rapids
HERSCHEL JANSSEN, Lorraine

KANSAS STATE COLLEGE, Manhattan
K. L. KNOTT and SONS, Hesston
FRANCIS KRATZER, Geneseo
VERNON L. MILLER, Great Bend
ALVIN NORQUIST and SON, Abbyville
RALPH and MARVIN POLAND, Junction City
IRL F. RAMAGE, Little River
FLOYD SCHROEDER, Rush Center
WILLIAM SCHROCK, Kiowa
FRED H. SCHULTIS and SON, Great Bend
ALBERT B. SMITH, Little River
CHARLES W. SUMMERS, Hutchinson
UNRUH BROS., Hillsboro

Annual Meeting and Banquet, April 11th, Wiley Tea Room

Catalogs sent only on request, address

PHIL STERLING, Secretary, P. O. Box 537-J, Canton, Kansas
MID-KANSAS ABERDEEN-ANGUS BREEDERS' ASSOCIATION
Col. Roy G. Johnston, Auctioneer . Mike Wilson for Kansas Farmer

ANNUAL SPRING SALE

SUTOR HEREFORD FARMS

Zurich, Kansas

30 miles northwest of Hays

April 17, 1951

SELLING 62 HEAD

- 7 head coming 2-year-old Bulls; 8 Bulls 2 years old this fall;
- 27 head of Bulls that are 12 to 15 months old, well developed and ready for light service; 20 Bred Heifers.

All bred to MW Mission Larry 5th

These cattle are not the show-fitted kind but the kind that are ready to go out and work for you. They are all in excellent breeding condition. They are a uniform group and could make a nice addition to most any herd. Many of them are strong in the blood of OJR Royal Domino 10th.

Write for catalog

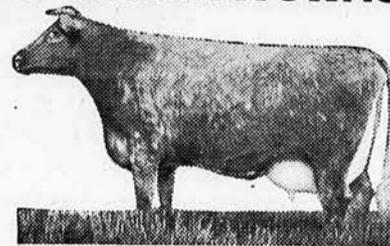
SUTOR HEREFORD FARMS, Zurich, Kansas
Auctioneer: Freddie Chandler

NATIONAL CONGRESS SALE OF MILKING SHORTHORNS

Springfield, Mo.
Saturday, April 28

Plan now to attend this great event of the American Milking Shorthorn Society
This is the National All-Female Sale

It will be held at Ozark Empire Fair Grounds. See and buy the breed's best.



PROGRAM
FRIDAY, APRIL 27
1:00 p. m. At the Fairgrounds, Springfield, Mo. Classification school and demonstration.
7:00 p. m. Breeders' Banquet and Meeting, Colonial Hotel, Springfield, Mo.
SATURDAY, APRIL 28
10:00 a. m. Parade of all sale cattle by age groups—A real opportunity to see and select your choice of animals.
12:00 Noon: NATIONAL ALL-FEMALE SALE.

For sale catalog or hotel reservation write to the
AMERICAN MILKING SHORTHORN SOCIETY
313 South Glenstone, Springfield, Missouri

100 HEAD BANBURYS' POLLED SHORTHORNS

Established in 1907

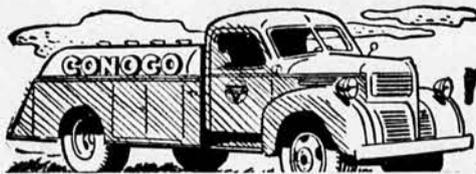
Herd sire: Cherry Hill Hallmark. Bred by Oakwood Farm, 3rd in Get of Sire, at the Kansas State Fair in 1950.

Princess Coronita—Champion female at the Kansas State Sale, sired by Red Coronet 2nd. Herd sire bred by Theimans. Males and females (some of the best) for sale, calfhood vaccinated. Also 2 top herd sires, 9 miles southwest of Hutchinson, then 14 miles west on blacktop road.

J. C. BANBURY & SONS, Plevna, Kansas



CHERRY HILL HALLMARK



The Tank Truck



Although in the heart of a potato country, Mr. Sampson has stuck to beets, alfalfa and grain. He was the first president of the Twin Falls County Beet Growers Association.

Livestock is the first interest of Mr. Sampson, shown here discussing with his foreman, John Chastain, right, the fine Hereford herd in the background.

He Buries Feed to Save it

WILLIS G. SAMPSON has decided that the best way to keep alfalfa fresh is to bury it.

In the side of a hill, Mr. Sampson dug a trench 200 feet long and 30 feet wide. Into this he put green alfalfa, and then packed it down with a heavy tractor. Grain was planted on top to make it airtight. He found this open ensilage method provided much safer feed for his feeder cattle.

And this is only the latest in a long line of pioneering activities of this outstanding farmer. He began by moving to Hansen, Idaho, 42 years ago. Today his farm is one of the showplaces of the State. Mr. Sampson started out raising Percherons and supplied the Magic Valley

with many of its draft animals. But—a true pioneer—he was one of the first to switch to mechanized equipment.

It was then, too, that he turned to another pioneer, Continental Oil Company,

for his fuels and lubricants. He has been a Conoco customer for more than 30 years!

Continental Oil Company, you know, has been a leader in supplying top-quality petroleum products to the farmers of America for more than 75 years. Why don't you, like Mr. Sampson, switch to the brand with the long, long history of quality, economy and service?

They're Sold on Super



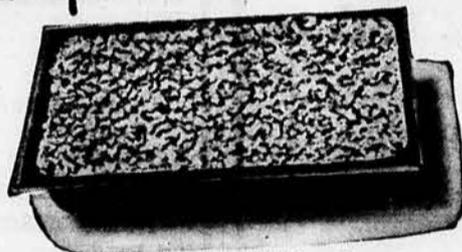
“Since switching to new Conoco Super Motor Oil, the smooth free flow of power in my farm engines has lessened engine vibrations and given me a fine feeling of dependability,” says Wilbur D. Brubaker, wheat and dairy farmer, Lyons, Kansas. “Since changing to Conoco Super, I’m satisfied I have the best lubrication money can buy.”

“To keep my equipment free from breakdowns that would upset the rigid schedule of my dairy farm, I have used Conoco Products since 1926,” says August Birkholz, Miles City, Montana.

“This new Conoco Super Motor Oil has increased still more my confidence in the dependability of Conoco . . . I most heartily recommend it.”



Scalloped Chicken Supreme



... by Mrs. Ed Zappe
Browerville, Minnesota

- 6 cups chicken (per recipe below)
- 4 cups chicken broth
- 6 cups cooked rice
- 3 cups milk
- 4 T. butter
- 3/4 cup flour
- 1 T. salt
- 1/8 t. pepper
- 1 small can pimento
- 1 small can mushrooms
- Buttered cracker crumbs

Cook rice. Cook chicken in water with 2 onions and 3 or 4 stalks of celery until tender. Let cool in broth. Cut chicken in small pieces. Make white sauce with butter, flour, milk and some broth. Brown mushrooms in butter, add to gravy. Alternate layers of rooms in butter, add to gravy. Alternate layers of chicken and rice in casserole, adding bits of pimento for color. Add gravy generously. Sprinkle top with crumbs. Bake 45 minutes in moderate oven. Serves 16.

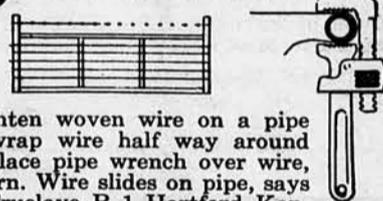
Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. E, Conoco Cafeteria, Ponca City, Okla. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.

FARM KITCHEN

“Your Conoco Super Motor Oil is doing a fine job in helping to keep our equipment in top shape,” writes Dr. Paul S. Richards, formerly head of the Bingham, Utah, medical clinic, and now co-owner of the Rexburg, Hereford Ranch, Island Park, Idaho. “We certainly count on Conoco Products to keep our ranch equipment in first-class condition.”



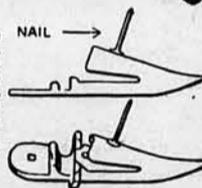
To Tighten Gate Wire



To tighten woven wire on a pipe gate, wrap wire half way around pipe, place pipe wrench over wire, and turn. Wire slides on pipe, says Irvin Truelove, R. 1, Hartford, Kan.

Stops Heads from Rolling

Braze 8 d. nails to sickle guards when combining grain sorghums, to stop grain heads from rolling off to the ground, recommends Joe W. Reeser, Clayton, New Mexico.



PRIZES FOR IDEAS!

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



YOUR CONOCO MAN