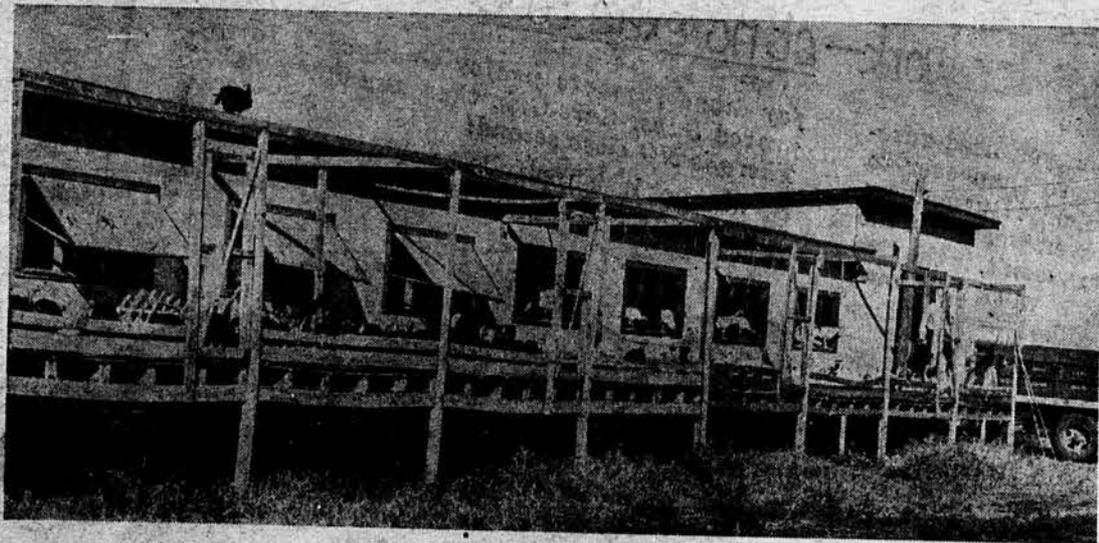


Kansas Farmer



HERE IS PART of large brooder house used to start 4,000 poults on Thompson Turkey Farm. From this house, birds will be taken to range when 12 weeks old.



"The Best Turkeys You Can Buy"

These growers know how to satisfy their customers with "fresh-dressed or frozen" birds . . . at extra profit

WHETHER you like big ones or small ones you will find plenty of turkeys on the market this year. And the price will be in line with other kinds of meat.

Kansas, however, is not following the general upward trend in turkey production. USDA figures show there will be 58,956,000 turkeys raised in the U. S. during 1952, a 13 per cent increase over last year. In Kansas, tho, only 668,000 turkeys are being raised, a drop of 10 per cent from last year. Prices, according to forecasts, will be about the same or a little lower than the 33 cent average a year ago. Costs are higher, however, and turkey growers do not expect to equal last year's profits.

There is a definite trend in Kansas for turkey growers to concentrate around larger cities, where they can find a ready outlet for their birds. Some growers, like Mrs. J. E. Chamberlin, and Jesse Thompson and sons, Dwight and Keith, near Wichita, find it pays to dress and merchandise their turkeys.

Mrs. Chamberlin has been raising turkeys 9 years, and 3 years ago changed over exclusively to Beltsville Whites. She gets her stock direct from Beltsville, Md., and has some of the best Whites in Kansas. She raises about 1,000 a year and keeps about 200 layers.

"I find it pays to sell fresh-dressed or dressed and frozen turkeys to the retail trade," says Mrs. Chamberlin. "We share a dressing plant with Robert Krueger, another grower in the neighborhood, which cuts down overhead and helps solve the labor problem."

For some of her hatching eggs Mrs. Chamberlin is using a new service out of Beltsville. There they pre-incubate the eggs for 3 days to pick out infertile eggs. The rest are then chilled and shipped by plane to Wichita, [Continued on Page 20]



JUST RIGHT: This 8-pound Beltsville White hen is just right for average family's Thanksgiving dinner, says Mrs. J. E. Chamberlin, Sedgwick county turkey grower and secretary of Kansas Turkey Federation.



THIS FELLOW WILL look good on somebody's dinner table, come Thanksgiving, says Jesse Thompson, who with his sons, Dwight and Keith, raise and merchandise 4,000 turkeys a year.

- Will Irrigation Fit Your Farm? Page 4
- Why Your Wheat Is Superior Page 6
- Profit From "Poor" Land Page 14

MORE TRACTION

for winter work—at no extra cost!

Now's the time of year when you need sure-gripping tractor tires more than ever to get those winter chores done quickly. Ruggedness is another "must"—and so is even wear—but the tire that also pulls where others won't, is the tire that gives you the best day's work for your money—winter and summer alike! Millions of farmers agree on that! Survey after survey, year after year, shows

far more farmers prefer Goodyear's farm-proved Super-Sure-Grip than any other make. There is NO close second! So why not insist on fullest value in every way? There's no extra charge for Goodyears!



3 REASONS WHY GOODYEARS GIVE "THE GREATEST PULL ON EARTH"



STRAIGHT LUGS. Goodyear lugs are ruler-straight and come closer together at the shoulders—providing the time-proved, wedge-like bite that holds the soil in place and gives this tire more traction—gives your tractor more pulling power.



O-P-E-N C-E-N-T-E-R pioneered by Goodyear. Most widely imitated of all tractor tread designs because farm experience proves it the most efficient—when combined with straight lugs!



EVEN WEAR. Goodyear straight lugs work against the soil evenly, pull evenly, wear more evenly—to lengthen tire life and make your tire dollars go farther.



FIRST in Traction • FIRST in Long Wear
FIRST in Popularity

GOODYEAR

Super-Sure-Grip Tractor Tires

Super-Sure-Grip—T. M. The Goodyear Tire & Rubber Company, Akron, Ohio

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NOW—CASH PAYMENTS FOR DOCTOR and HOSPITAL BILLS

with PYRAMID'S New Low-Cost Individual and Family Plan

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Up to 100 Days—Up to \$20 a Day—
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And every year you carry The PYRAMID PLAN these benefits increase. Accidents are a constant threat on every farm; NO family can afford to face this threat unprotected! But you can afford PYRAMID'S low-cost security against constantly rising hospital bills.



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Doctor's Office and Home Calls Included.

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The PYRAMID PLAN provides for the surgeon of your choice, operating room fees, anesthesia, drugs, ambulance, and blood transfusions. When statistics prove that 60% of all hospital cases need surgery, why take a chance? It costs so little to be sure with The PYRAMID PLAN.

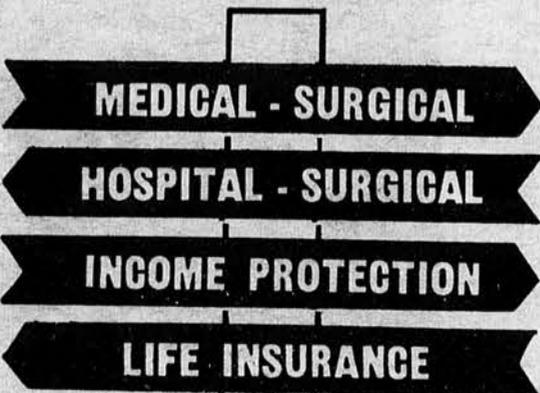


The PYRAMID PLAN is brought to you by the PYRAMID LIFE INSURANCE COMPANY of Kansas City, Kansas—old line legal reserve company serving the Midwest since 1913.

PYRAMID RATES Never Raised

Costs as little as a few pennies a day. Children may remain on the family plan at the low child's rate even after reaching 18. They are never excluded from this policy because of reaching any age limit. PYRAMID policyholders have never had their rates increased! Covers the entire family.

PYRAMID can design a plan tailor-made for your family, with all or part of the protection available.



4 way Protection



DISCONTINUED INCOME

The PYRAMID PLAN pays you up to \$200 a month while you're unable to work due to sickness or injury. At a time like this, household expenses continue the same as always. Cash payments from PYRAMID save dipping into precious savings or maybe even going into debt!

MATERNITY & POLIO

Childbirth is an expense which must be met by nearly every family at least once. A few pennies a day with The PYRAMID PLAN now can prevent financial worries often connected with pregnancy.

Polio set another record in 1952 with over 50,000 cases! Don't make the mistake of thinking "It can't happen to me." Polio respects no age or social levels—it strikes everywhere. Let PYRAMID'S liberal polio benefits protect your family.

X-RAYS, AMBULANCE, MEDICINE, BASAL METABOLISM, FIRST AID, IRON LUNG, OXYGEN TENTS, ETC.

The PYRAMID PLAN provides for extra expenses, too . . . expenses which can double a hospital bill.

IF YOU ALREADY HAVE HEALTH PROTECTION . . .

Consider adding The PYRAMID PLAN to complete your program; fill in the missing links. Remember—The PYRAMID PLAN pays you cash benefits regardless of the payments from other sources including workmen's compensation.

THERE IS NO FINE PRINT IN A PYRAMID PLAN!

NOW—While You're Still in Good Health—Mail This Coupon for Complete Details Without Obligation! We Invite Your Close Inspection of Our Sample Policies.

MAIL THIS COUPON Today

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% Pyramid Life Insurance Company,
New Brotherhood Building,
Kansas City, Kansas

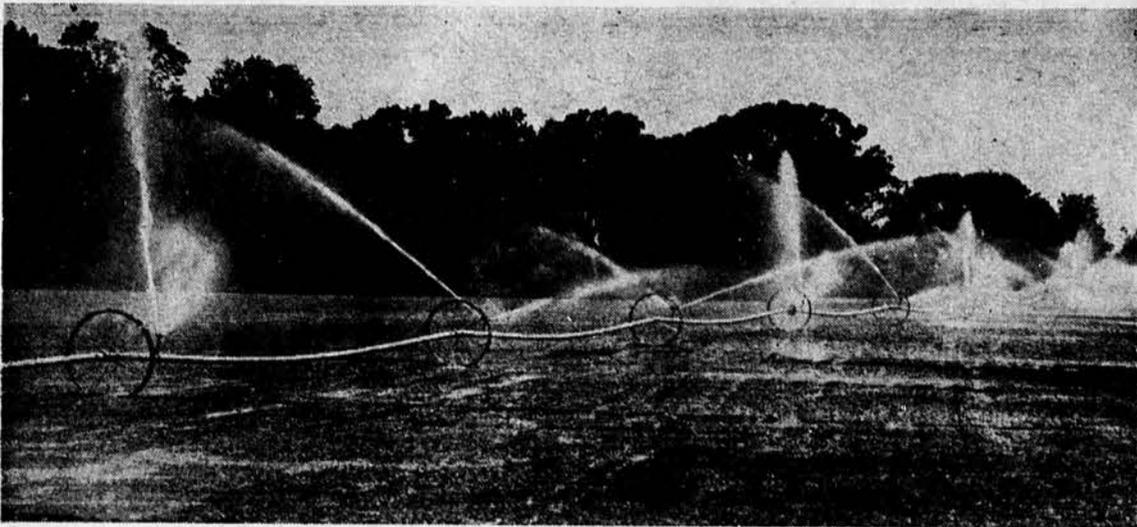
Gentlemen: Without obligation of cost, please forward complete information on The PYRAMID PLAN to:

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ADDRESS.....

CITY..... STATE.....

OCCUPATION..... AGE.....



AT LEFT: Get expert help in determining whether you need sprinkler or surface-type irrigation on your farm. This sprinkler system is being used with good results on a Western Kansas alfalfa field.

What Kind of Irrigation Will Fit Your Farm?



By **DICK MANN**

Here is second of 2 articles on program to develop it on small Kansas acreages. This one tells you the process of getting a loan, and what technical and financial assistance is available

WHO CAN GET a Farmers Home Administration loan for irrigation development? You can if you meet all requirements. The FHA is authorized to make irrigation development loans in all areas of Kansas, either for well or from streams and ponds, depending on your location.

If you are interested in such a loan, here is the procedure to follow: First, apply for a loan at your local FHA office.

Now, if the water supply situation in your immediate community is unknown FHA probably will recommend that you have a test hole drilled at your expense. If water resources are known your application will be taken before a county committee, 2 of whom must be farmers. Members of this committee will certify as to your character.

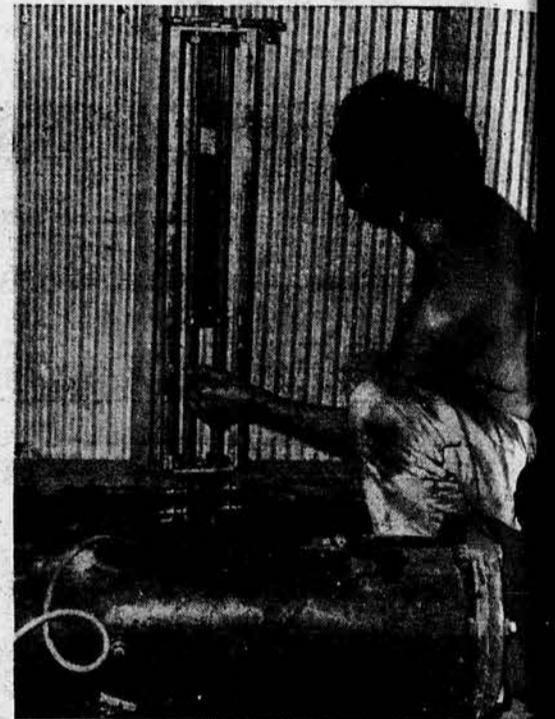
Once the committee determines you are eligible for FHA to finance your project the water facilities engineer will be asked to survey your farm to help you plan a water installation layout, also to prepare cost estimates for the system required. One decision you and the engineer will need to make will be whether a sprin-

kler or ditch-type irrigation system is best suited to your farm.

Choosing the system needed is not easy, as so many factors have to be considered. Ralph Johnson, water facilities engineer, says: "About the only conclusion you can reach is that there is no "rule of thumb" for choosing a system, and that an analysis, considering all factors, must be made in each case."

Some factors favoring sprinkler irrigation, as listed by Mr. Johnson, are: Uniform distribution of water, more acres can be irrigated with a given quantity of water, less experience is needed—any good farmer with a few simple instructions can go right out and operate a sprinkler system; less time is required to get started; usually the whole farm can be irrigated the first year, while it may take 3 to 5 years to get all land leveled and a surface system in operation; many farms have paid for sprinklers in the time it would have taken to

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MOST EFFICIENT rate of pumping from irrigation well on Herschel Young farm, Meade county, is determined by Ralph Johnson, FHA water facilities engineer, who is shown using a Collins flow meter.

get a surface system in operation, sandy and hilly land that could not be irrigated by ditches can be with sprinklers, flood plains that could not be expected to stay leveled can be sprinkled better control of water makes it possible to irrigate some poorly-drained soils.

"That's for me," you might say immediately "Why bother about ditch irrigation?" Well there are several strong points on the side of ditch irrigation, says Mr. Johnson. Large heads of water can be used and irrigation time shortened. By use of a reservoir it is possible to pump 24 hours a day but limit irrigation to a few daylight hours. Pumping costs are lower for ditch irrigation and depreciation is much less. Sprinkler equipment will wear out.

Efficiency of the 2 systems also has to be considered. Generally any farmer can get about 75 per cent efficiency from a sprinkler system while efficiency of a ditch system may run as high as 65 per cent or as low as 30 per cent, depending on ability of operator.

Even with this apparent advantage for sprinklers, Mr. Johnson says ditch irrigation is more practical generally in [Continued on Page 40]



OVERSEEING PART of irrigation project on E. H. Moore farm, Stanton county, is Ralph Johnson, kneeling, FHA water facilities engineer. Here a concrete pipe is being installed to carry water under a highway.



FARMER EARL MOORE and son Robert stop for a breather at their irrigation well. Surge tower, at left, is to reduce water impact on underground concrete pipe.

KANSAS STATE UNIVERSITY LIBRARY

GBA-50-GOOCH'S BACTERIA ACTIVATOR ALL GOOCH'S BEST Feeds for ruminants now contain GBA-50—vital ingredients which stimulate rumen micro-organisms to greater activity in breaking down fibre (cellulose) from hay, silage, etc., into usable meat-and-milk-making nutrients. Gives you full value from home-grown roughages.

NEW PELLETTED FORM Assures that cows get all the ration all the time—no chance to pick and choose. Ingredients are finely ground for more efficient digestion. Highly palatable. Easier to feed. Less waste.

(Right) Phillips Marigold, owned by Mr. and Mrs. Clifford Mustion, owners "Cliff-Vell" Jersey Farm, West Plains, Mo.

READ WHAT Mr. and Mrs. Mustion say: "Marigold is over 16 years old and is milking with her 13th calf. Her August, 1952, DHIA record was 30.5# of 4.5% milk per day. As you know, I 'GOOCH 'em' with 'Dairy Dew' Pellets and I am confident that old 'Marigold's' performance is due, in large part, to the excellence of this feed.

"I find a pelleted feed much easier to feed, the waste disappears completely and production is maintained at top level on less feed than with the customary granular ration."



You Get All the Advantages of These 2 Great Advances When You GOOCH YOUR COWS ON Pelleted 18% "DAIRY DEW" with GBA-50 (GOOCH'S BACTERIA ACTIVATOR)

HOW GBA-50 HELPS RUMEN BACTERIA DO BETTER JOB

GBA-50 (Gooch's Bacteria Activator) are the extra ingredients in GOOCH'S BEST "Dairy Dew" which are so essential for stimulating "digestive bacteria" in the cow's rumen, helping them convert roughage (even cobs) into high value feed. These bacteria can be so powerfully stimulated by GBA-50 that roughage becomes up to 200% more digestible. By feeding rumen bacteria these essential ingredients, their number is increased by the billions and they are actively put to work for you in breaking down indigestible fibre (cellulose) into valuable Nutrients.

Why Pelleted Form Is Better

Look at all these feeder-proved advantages you get when you GOOCH your cows on "Dairy Dew," the new dairy ration in pelleted form:

1. The cow gets all the ration all the time.
2. Ingredients finely ground for more efficient digestion.
3. No fine dusty material to "gum up" in mouth and decrease consumption.
4. Packed in paper bags—no sticky bur-lap bags to attract flies!
5. Easier to measure and feed.
6. Feed won't cake in bag.
7. Highly palatable.
8. Molasses mixed uniformly throughout ground feed rather than whole grains coated—prevents excessive drying out and loss of palatability.

ASK YOUR GOOCH'S BEST Dealer for 18% "Dairy Dew" with GBA-50. Start now to enjoy all the advantages of this new feeder-proved dairy feed.

HOW TO FEED "DAIRY DEW"

Best results will be secured with GOOCH'S BEST 18% "Dairy Dew" when fed with one of the following systems of management:

1. For cows in milk which are fed at least 1 pound of mixed legume and grass hay per 100 lbs. live weight in addition to corn or sorghum silage, corn or sorghum fodder or other grass roughage.
2. For cows in milk which are on fair pasture.
3. For dry cows fed grass roughage.
4. For heifers over 6 months old, when only about 1/4 of the roughage is legume hay. Complete feeding instructions are included in every bag.

The following feeding schedule should be a helpful guide:

LBS. OF "DAIRY DEW" TO FEED DAILY

DAILY PRODUCTION	HOLSTEINS, BROWN SWISS AYRSHIRES & SHORTHORNS	GUERNEYS JERSEYS
1 gallon	1	2 1/2
2 gallons	3	5 3/4
3 gallons	6 1/2	9 3/4
4 gallons	9 3/4	14
5 gallons	13	18



"MORE ECONOMICAL," say G. J. Mueller & Son, McComb & Hubbar, Ranch, Alma, Kansas "We operate a grade A dairy consisting of 30 Holstein cows and have been using your 18% Dairy Dew Pellets for the past eight months. The cows like this feed exceptionally well and we are able to get them to eat more hay and grass with less commercial feed which makes it more economical for us as we produce a lot of hay and grass here on the farm. Our cows stay in fine condition and we get a very satisfactory milk production. . . . We are glad to recommend Gooch's 18% Dairy Dew Pellets to anyone who needs a complete dairy ration to get the most out of their hay, grass or ensilage."



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Collect and trade them for valuable merchandise. See your GOOCH dealer for your new edition of the GOOCH Red Circle Catalog. Get finest products for home and personal use—for less!

DO YOU HAVE PLENTY OF WATER?

It's Getting to Be a Problem in Many Areas

By JAMES SENTER BRAZELTON

MANY PEOPLE believed Malthus was wrong when 150 years ago he said sooner or later the world's population would outstrip its available food supply. But today, thousands of people live their span of life and never for a single day have enough to eat.

The human race is increasing so rapidly that by 1955 there will be 10 million more people in the United States alone than there are today. Yet, no more arable lands are available for exploitation. We must now depend upon farm lands we have. And most of them have been badly abused.

What Malthus did not foresee was that water would be the limiting factor in food production. Living in the moist climate of England it never occurred to him lack of water could affect the world's food supply. But exhaustion of water resources has turned many once-thriving areas into unproductive deserts. We go blithely about our business, complacent in the thought this condition could not happen here! Sadly, it is happening here.

Demands Are Increasing

The frightening threat of water shortage is growing almost everywhere in America. The problem is most acute in the West and Southwest. Increasing demands of rapidly-growing communities and industries are exceeding the supplies of water on which they depend. The people of New York City had this fact dramatically brought home to them not long ago when the Croton and Catskill reservoirs became exhausted. Eastern cities are unable to cope with industrial demands for more water and when they do meet these demands it is always done at the expense of agriculture.

According to the Doane Agricultural Digest, in the central part of Illinois moisture is ample for crops, but about half the farms are short of water for livestock. This condition is typical of communities in all parts of the Midwest. Due to a decrease in water-absorbing ability of our soils, wells, springs and other sources of supply are being exhausted. Farm ponds are drying up. Isadore Ritter, Blair, is kept busy hauling water to farmers and townspeople in Doniphan county where the annual precipitation is 33 inches. His truck is equipped with a thousand-gallon tank. He hauls from 9 to 11 loads daily, filling cisterns not only for livestock but for household use as well.

A Long Trip for Water

Scarcity of water is becoming an ever-increasing problem in a great many communities thruout the world. In certain parts of Old Mexico women make a 10-mile round trip every day carrying a 5-gallon tin, balanced on their heads, filled with precious water for the day's cooking.

Scientists tell us plants use about 300 pounds of water to produce one pound of dry matter in the plants. Regardless of how much plant food the soil contains, plants can't use it with-

Stretch That Dollar!

With "heating" season here, we have a valuable article for you on "How to Stretch Your Heating Dollars." It's printed by Socony-Vacuum Oil Co., New York. It gives 17 steps average home owner can take to improve heating efficiency. Also, 17 steps that cost some money but pay big dividends in fuel savings. For a copy, write Farm and Home Service, *Kansas Farmer*, Topeka, Kan. No charge.



SOME MEXICAN WOMEN make a 10-mile round trip every day carrying big water tins on their heads.

out water. We are told it takes more than one barrel of water to grow one stalk and ear of corn. Knowing these things helps us realize how absolutely dependent we farmers are upon a plentiful supply of water.

Growth of cities and industries depends upon water development and in this they offer serious competition to agriculture. It takes 600 to 1,000 tons of water for each ton of coal burned in a steam-generating plant. Production of a ton of steel calls for use of 65,000 gallons of water, and a ton of rubber about 85,000 gallons. A large paper mill will use 50 million gallons of water a day, enough to supply a city of 500,000 people.

Key to the Future

Everywhere to the west of us, water and water alone is the key to the future. In this area, agriculture is often impossible without irrigation. To meet this need, the Federal Bureau of Reclamation has set up an immense conservation program. Already 1½ billion dollars of taxpayers' money has gone into building great dams and reservoirs. To date, these gigantic engineering projects have not come up to expectations in solving the problem. In fact, the problem is aggravated by them, for an abundance of water encourages new concentrations of popu-

Plan Lighting For Study Center

PROTECTING young people's eyes when at home studying is as important to their educational welfare as a well-lighted classroom.

Now, new lighting "recipes" can help anyone arrange his study center so studying can be fun and proper lighting an inexpensive and interesting job. In the accompanying picture, says the General Electric Company, Alice in Wonderland may never have had to study, but her friends could have helped her. They could have shown her the exact measurements to use for best lighting, as shown in the picture. Careful placement of lamps for study desks is an important "ingredient" in your lighting "recipe."

Pin-up lamps are popular with all age groups. Wall lamps not only give even lighting over the entire desk top but also leave it free for books and papers. For study, wall lamps should use 100-watt frosted bulb and a diffusing bowl with a 6-inch top diameter. Shades should have a bottom diameter of 10 inches and should be at least 6½

inches deep. Watch when you buy them.

Place wall lamps 30 inches apart, measuring from center of the shade, and be 17 inches from the front edge of the desk. Hang them so the lower edge of the shade is 15 inches above the desk top.

Bottom of the lamp shade should be 15 inches above the desk top. Be sure to avoid dark colored shades or shades that are bright when lighted, no matter whether lamp is for the wall or is a table lamp. A large pastel blotter for the desk will prevent harsh reflections. Following these lighting tips will help ease eyestrain and make for more pleasant study conditions in the home.



Alice in Wonderland characters—Copyright Walt Disney Productions

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Following these lighting tips will help ease eyestrain and make for more pleasant study conditions in the home.

ing water back long enough for it to soak into the soil, reducing its velocity and its erosive power. One major contribution of the Soil Conservation Service is one that may have a profound effect on human civilization for centuries to come. It is classification of land according to the uses it is capable of sustaining.

All these devices are planned so we might make profitable use of water and not let any of it go to waste. For the amount of water we have is limited. Even the modern, scientific rainmakers, apparently cannot make more. All they do is to bring about conditions whereby the already-existing water vapor is condensed into drops and they fall as rain.

As the population of the world increases, more and more water must necessarily be used to grow more plants to satisfy the insatiable demand for food. But, fortunately, when water is used, it is not destroyed. It can be used over and over. The heat of the sun draws water vapor from the earth to clouds which, sooner or later, condense and water falls back to earth as rain.

COMING, DECEMBER 6 . . .

Consolidated schools in Kansas are continuing to improve the opportunities for rural youth. In the next issue of *Kansas Farmer*, December 6, 1952, we will report to you something about the progress being made by the first consolidated district in Leavenworth county.

You Are Invited to Poultry Meet Coming to Emporia December 3

AN OUTSTANDING state-wide poultry event, the Kansas Poultry Conference, will be held December 3 to 5 at the civic auditorium, Emporia. Sponsors of the event are Kansas Poultry Improvement Association, Kansas Turkey Federation, and Kansas State College.

New developments in all phases of the poultry industry will be presented thru commercial and educational exhibits, an educational program, and various other features.

Elmer Winner, poultry Extension specialist, Missouri University, and Don W. Lyon, general manager of the National Poultry and Egg Board, are 2 out-of-state speakers who will appear on the educational program.

Other features of this program will cover broilers, turkeys, and hatchery and flock management. Educational exhibits will emphasize experimental and consumers' educational work. There will be hatchery flock, egg and dressed turkey shows.

A poultry barbecue and a free floor show will feature the December 4 program. The barbecue will be served from 5 to 7 p. m. and will be followed by free floor show at the auditorium.

All turkeys entered in the dressed turkey show will be sold at a turkey auction the final afternoon of the conference.

Commercial exhibits will show equipment and supplies, according to M. A. Seaton, Extension poultryman at Kansas State College, Manhattan.

All hatcherymen, flock owners, broiler producers, turkey growers and others interested in the poultry industry are invited to attend the conference.

Hort Society Plans Meeting

Annual meeting of the Kansas State Horticultural Society will be held at Hutchinson, December 4 and 5. Speakers of nation-wide importance will attend to present latest information on fruit and orchard production. Marketing problems will be fully discussed. It will be the 86th annual meeting according to H. L. Drake, Bethel, secretary of the Society.

Leon Havis, USDA Research Center at Beltsville, Md., will discuss newer and more important phases of peach growing. Dwight Powell, University of Illinois, will speak on concentrate sprays and discuss fire blight control. D. D. Hemphill, University of Missouri, will tell of new ways to control weeds in strawberries. Dr. H. B. Corder, Oklahoma A & M College, will tell of sweet potato improvements and nematode studies.

Sweet Potato division of the society will meet in Wichita on December 3, with sessions at Farm Bureau building.

Kansas Farmer

News and Comment

Our Job Isn't Ended

OUR JOB as citizens didn't end with the November 4 election. By a majority vote we didn't turn this country over to one man, or any small group of men, to operate as they alone see fit. Instead, each one of us should feel it a duty to express approval or disapproval of whatever action official Washington takes; as much a duty as voting on election day.

We own this government just as surely as we own the acres we farm or the clothes we wear. So it not only is our privilege but certainly a part of our job as citizens to express our desires and feelings on any subject or question that affects our country and our way of life.

If we keep our eyes open for things that may be questionable, check up on them with our public officials, fewer things will turn out wrong. Our elected Congressmen, as well as the men we send to the state legislature, are eager to know what the majority of us think about any legislation that comes up. The majority may not necessarily be right all the time, and even their minds may be changed by thoughtful presentation of facts. But, one thing is certain. If all of us pitch in with our best thoughts and efforts, our way of life isn't going to be lost.

We Are Thankful

THANKSGIVING can be in our hearts for many things: For the fact we are citizens of the greatest country on earth. For freedoms we enjoy of speech and action, work and religion. For plenty to eat and wear. For comfortable, modern homes. For families whose ambitions for future progress need not be restrained. For those among us with imagination and curiosity that translate themselves into better crop varieties, more efficient farm machinery. For the great courage of those whose burdens are heavy, who teach us courage. For the beauty of Autumn. For the challenge of Spring. For each new day's inspiration. For each night's benediction of rest.

KSC's Weber in Spotlight

NEXT BIG LIVESTOCK show coming up, of course, is the International Live Stock Exposition in Chicago, November 29 thru December 6. Of interest to Kansas is the fact A. D. Weber, dean of agriculture at Kansas State College, again is scheduled to appear on the entire NBC television network as he selects the grand champion steer at the show. This telecast will come between 2 and 3 o'clock (CST) on Tuesday, December 2, sponsored by Allis-Chalmers. This will be the 53rd International and will bring together 11,000 head of the country's top

cattle, sheep, swine and horses from 34 states. Grand champions of this show will vie for more than \$100,000 in cash awards. Youth will dominate the first day's program, spotlighting the junior livestock feeding contest where boys and girls from many states will exhibit their grand champions from other big shows. Tough competition thruout the big event. *Kansas Farmer* will bring you a report of Kansas winners.

Climbing Success Ladder

A FORMER KANSAS farm boy and 4-H member is featured in a recent issue of *Colliers Magazine* for a procedure he devised to take color photographs with the electron microscope, used in scientific studies.

Dr. George W. Cochran, graduate of Kansas State College, now with Utah State Agricultural College at Logan, formerly lived on a Shawnee county farm. His family have been active leaders in rural affairs, have won 4-H and other honors. In 1948, Doctor Cochran was responsible for setting up the first electron microscope laboratory in the intermountain region. Prior to that time he was engaged in virus research with the electron microscope at Rockefeller Institute for Medical Research of Princeton, N. J.

The new photographic color process and work with the microscope in Utah has shed new light on research problems in the fields of bacteriology, virology, botany, plant pathology, veterinary medicine, zoology, parasitology, soils, poultry, dairy, and animal husbandry.

A sister of Doctor Cochran, Dorothy, is in Washington, D. C., on the staff of the Food and Agriculture Organization of the United Nations. Another sister, Ruth, lives at Chillicothe, Mo., where she is a farmer's wife and teaches school. A third sister, Ethel, is employed at the Topeka State Hospital. Dorothy was a winner one year of *Kansas Farmer's* state safety award. The Kaw Valley 4-H Club of Shawnee county, of which all the Cochrans were members, one year won a national 4-H contest in community social progress. The Cochran home is on R. No. 2, Topeka.

May we add here that 4-H Club work provides the right kind of background for outstanding success in any desirable field of endeavor.

Starting Next Issue . . .

REMEMBER the flower articles by Frank Payne which *Kansas Farmer* brought you in 1951 and 1952? He is the man who wrote from actual experience, because he grows the flowers he told about by the acre. That is the way he makes his living. Right now we are happy to announce starting next issue, December 6, *Kansas Farmer* will begin a series of articles by Mr. Payne on how to grow house plants in your home. Here is another series of flower growing articles you will wish to clip and keep for future reference.

Meat Animal Dollars

MORE THAN ONE THIRD of the average American farmer's cash income this year will be from sale of meat animals, according to the American Meat Institute. That is if 1952 is anything like last year. Value of cattle, calves, hogs, sheep and lambs was more than 11 1/4 billion dollars, an increase of 2 billion dollars over the preceding year. Total cash receipts from all crops, including government payments, was about \$32,907,000,000.

The break-down shows: Meat animals brought 34 cents out of every dollar of farm income, dairy products 13 cents, poultry and



NATURAL GAS

"The emptier the pot, the quicker the boil," says the old adage. "That should make us watch our temper," remarks a friend.

"A blunder," said Mark Twain, "is when you go into a restaurant and pick up someone's cotton umbrella and leave your own silk one. A mistake is when you walk out with someone's silk umbrella and leave your own cotton one."

Pretty girl to highway patrolman: "Why, you can't arrest me for speeding! This isn't my car and I haven't any driver's license."

"Did you ever think of freedom as something to be earned? Freedom to play a violin comes only when you earn it by the discipline of practice."

"Tsk, tsk, tsk! Who taught you to use such awful words?"

"Santa Claus when he bumped his knee on my desk Christmas Eve."

"Any wife knows exactly what her husband wants for breakfast. Just anything she doesn't happen to have in the house."

"Ignorance is bliss. That's why there are so many happy people."

"No matter how bad the weather, it is much better than none."

eggs 11 cents, food grains 6 cents, feed crops 6 cents, cotton 8 cents, tobacco 4 cents, vegetables 5 cents, fruits and tree nuts 4 cents, miscellaneous crops and government payments 9 cents.

Livestock very likely will play an even more important part in future Kansas agriculture than it has in the past. That will mean a more stable and satisfactory type of agriculture.

You'll Want to Read . . .

WHAT IS KANSAS doing in the turkey business? What will turkeys bring this year? What is the trend in turkey raising? These questions are answered for you in the article starting on the cover of this issue. If you didn't read it as you thumbed thru the pages, you might like to turn back and read it now. It tells about some folks who know how to make an extra profit with turkeys.

And there is another article worth money to many a farmer on page 4 this issue. It asks the question, "What Kind of Irrigation Will Fit Your Farm?" Some factors favor sprinkler irrigation, others favor ditch irrigation. This is the second of 2 articles on this important subject *Kansas Farmer* has brought you in a time when the importance of moisture on the farm is emphasized by dry weather.





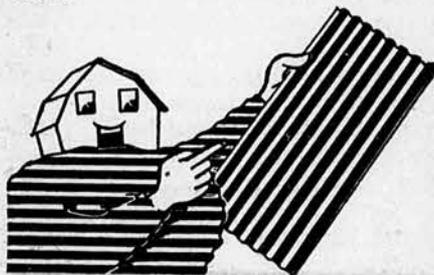
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No. 11 in special series telling how scientists at Kansas State College improve your crops

Your Wheat Crop 25 Per Cent Higher Due to Work Done by K-State

WHEAT improvement research at Kansas State College, dramatized this year by the state's record-breaking, first 300-million-bushel wheat crop, is much more of a story than one year's crop can tell. It is a recital of progress which started about 45 years ago when a Kansas State staff member made a trip to Europe.

So adapted and productive had Turkey wheat been under Kansas condition, the late Dr. H. F. Roberts, then head of the college botany department, decided to go to the source of the variety, southern Russia and the Crimea, in search of other good wheats. Returning in 1908 with a large number, he continued wheat improvement research at Kansas State.

Doctor Roberts's work between 1906 and 1911 greatly stimulated studies of wheat varieties, according to Dr. H. H. Laude who was a student in the college at that time. When wheat research was transferred to the agronomy department in 1911, Doctor Laude was on the staff and became identified with the improvement phase of wheat research.

7 Superior Varieties

Since that time 7 superior wheat varieties have been developed by K-State scientists. The first variety from Turkey was Kanred, released in 1917. Then came Tenmarq in 1932 and 5 others within the last 10 years. Pawnee, Comanche and Wichita, released in the 1940s, were planted on 71 per cent of the 1952 crop acreage. Tenmarq was seeded on 4 per cent. Two others, Ponca and Kiowa, were released so recently seed was limited for planting last fall. Altogether, K-State produced varieties were seeded on more than 75 per cent of this year's Kansas crop acreage. Their adaptation is much wider. In 1949, over 27 per cent of the entire acreage of wheat grown in the United States was planted with Kanred, Tenmarq, Pawnee, Comanche and Wichita seed.

Yields at the college agricultural experiment station, at Manhattan, from 1938 to 1951 show the progressive improvement in production. The average over this period of Kanred was .2 bushels higher than Turkey, of Tenmarq 5 bushels higher than Kanred, of Comanche 2.2 bushels higher than Tenmarq, of Wichita 1 bushel higher than Comanche, and of Pawnee 2.9 bushels higher than Wichita.

Average yield of Pawnee in the K-State plots during the 14-year period was 11.3 bushels or 45 per cent higher than Turkey. This indicates the total improvement that has been gained in the last 45 years.

Tests at the various branch experiment stations and fields thruout Kan-

sas also measured the increase in yield. The increase at Hays has been 23 per cent, at Garden City 36 per cent, at Colby 19 per cent, at Tribune 13 per cent, at Wichita 28 per cent, at Hutchinson 22 per cent, at Kingman 10 per cent, at Dodge City 35 per cent, and at Belleville 13 per cent.

These results indicate Kansas farmers now can produce about one-fourth more high-quality wheat than they could on the same acreage, if the improved varieties had not been developed. This one-fourth increase, applied to the 308-million-bushel crop this year, is 77 million bushels. At the present price of wheat this is \$155,000,000 in increased income for wheat producers of the state.

Despite these gains, Doctor Laude points to problems ahead. For example, the scientists, like industrialists, are trying to stabilize production and eliminate wide fluctuations. This is one objective of their research. As illustration, the abandoned wheat acreage in 1951 was a loss of revenue to the railroads and implement companies as well as to the wheat farmers.

Drouth causes more wheat acreage abandonment in the hard-wheat area than any other factor. This needs attention. One of the most practical solutions for combating production hazards in Doctor Laude's opinion is breeding adapted, high-producing varieties with greater winter hardiness and drouth, disease and insect resistance.

Want Grain to Respond

Another need is a wheat variety that will stand up better on rich soils. Pawnee does well under these conditions but frequently lodges. Farmers who have practiced the best methods and who have built up fertility of their soils are at a disadvantage when they plant a wheat variety that does not respond fully to the increased fertility.

Doctor Laude lists the sudden appearances of races such as 15B stem rust and diseases as other problems facing research workers. The increased importance of mosaic, scab, dwarf bunt, and recurring outbreaks of insects and mites all call for increased and expanded studies.

Kansas State scientists work with USDA personnel and with persons in 9 other states in co-ordinating their hard red winter wheat research. Doctor Laude has been chairman of a committee of wheat research workers since its origin in 1946.

Ponca wheat is an example of how the committee shares the results of research in various states. This variety, being adapted to Eastern Kansas and Eastern Oklahoma, was released jointly by experiment stations of the 2 states.

I WONDER HOW THAT STARTED . . .
"Sowing wild oats."

This ancient saying originated among country people of England. Means to spend one's youth or time in excesses or dissipation, with result of such meaningless effort being no fruitful results. At first the saying meant to sow worthless seed, as wild oats are so common in the British Isles. The saying found its way into moral comparisons among farmers.

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So why take chances? A single serious accident or a long illness can rob you of your savings, or even your farm; it can wreck your family's hopes and plans for the future. Mail coupon NOW—and we'll send you **FREE INFORMATION** about wide benefits and low rates provided by the **WHITE CROSS PLAN**. No obligation.

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• MONEY TO LIVE ON Get up to \$300 a month for hospital care; and up to \$200 a month while you're laid up at home getting well. Money can be used for extra hired help. (You can get this family-saving separately if you wish.)



• MATERNITY BENEFITS Get up to 10 times the daily room rate in your policy for childbirth (after you are a member for 9 months) or miscarriage or any complication of pregnancy. Choose any hospital you please.

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MARY AND WILLARD WELLS



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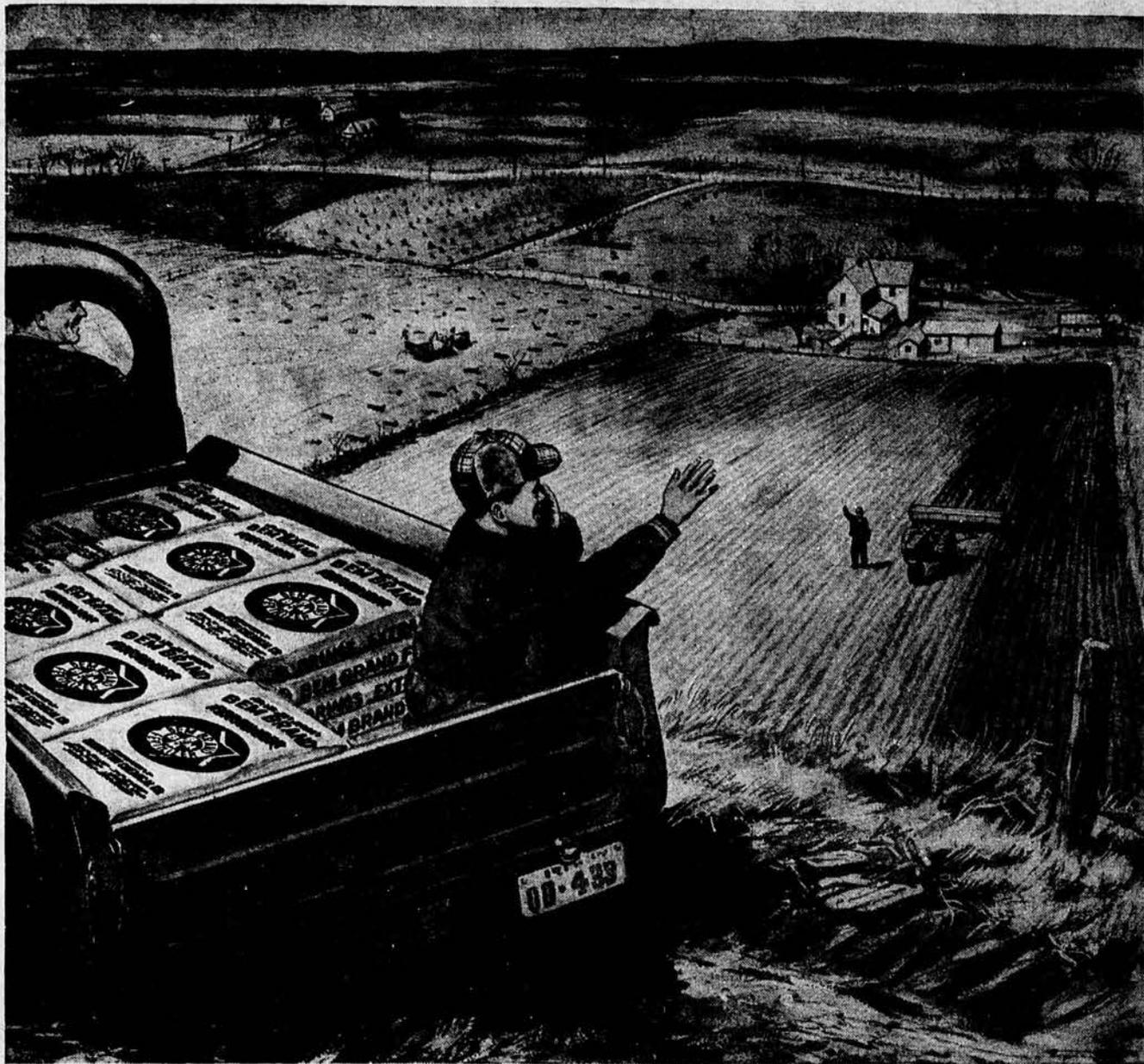
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Can Kansas Afford All These Dams?

Dear Editor: We have just read your article, "What Will Happen at Waconda Springs?" (Page 4, Kansas Farmer for November 1, 1952). We would like to ask, "What Is Happening to Kansas?" We cannot pick up our magazine but what some part, some section, some of Kansas is to be sacrificed to Big Dams. Can Kansas afford this?

If there is any Kansas blood in our veins, any state pride in our souls, can we allow this threat to continue?

We have a Corps of Engineers memorandum dated December, 1951, calling for 13 dams on the Kansas river basin, 34 major reservoirs. This does not include the units on the Osage and Marias d Cygne, 10 basic units there besides the local units. We are enclosing a list of the major reservoirs because we believe in every one there will be a story just as Waconda Springs, just as the Mariadahl settlement here in Tuttle Creek.

Perhaps you cannot allow that much time or effort as 44 different communities would require and take nearly years of time to print but maybe you could combine some, or get the stories from the best-known spots.

You are doing a wonderful thing arouse the people of Kansas—a copy of Kansas Farmer was immediately sent to Clay Center C of C. Differences are sending their copies on. We are sending ours to Governor Arn.

Hoping you will continue these splendid articles.—Nellie Haller (Mrs. O. Haller, Jr.), Winkler, Kan.

Editor's Note: You will recall Kansas Farmer printed a list of reservoirs together with a map showing the location in the August 4, 1951, issue. These also were printed in the April 1950, issue of Kansas Farmer. Mr. Haller's letter raises some important questions.

here comes **BEM** the bonus **BRAND!**

Here comes winter, too. Not so long ago most farmers didn't talk about winter and BEM BRAND in the same breath. But it's different now.

Every year, more and more farmers learn these welcome facts:

- You can buy BEM now, and all winter long, in the exact quantity and grades you want, instead of getting caught in the last-minute rush next spring.
- You can store BEM in your barn, then put it on when you get good and ready. Pick a good dry place, and you can put a whole ton in three feet by five feet of floor space, with

bags stacked no more than eight high. BEM BRAND will stay in smooth-flowing, easy-drilling condition till you're ready to use it.

•• You can store BEM BRAND in your soil, right now or any time you can get into the field this winter. This way BEM BRAND can go right to work reconditioning and preparing your soil for big dividends next growing season.

Why take chances on shortages or lack of working time? Buy and store BEM BRAND now, in the barn or in the soil. And always remember... BEM is the bonus BRAND of fertilizer that gives more plant-foods in the bag than appear on the tag. See your dealer today.

Kansas Poultryman Wins National Honor

A Kansan has been selected as winner of the "Man on the Farm Blue Ribbon Award" by the Quaker Oats Company, Chicago, for his outstanding achievements as a breeder-hatcheryman. He is James Young, Young Electric Hatchery, Clay Center.

A citation commending him for his work was read on a November 8 radio program. Mr. Young has been a breeder-hatcheryman since 1929. He has a top quality breeder flock of over 750 head considered one of the best in Central Kansas. His standards produce more and better chicks, and customers demonstrate appreciation for his quality poultry by returning year after year. The citation reads:

Kansas Farmer for September brought you a story on another Kansas winner of this award, Roy Brillhart, Kansas City.

KANSAS FARMER

Continuing Mail & Breese
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**Collins, Vice-Chairman
Helps in Heart Drive**



Hubert L. Collins

Hubert L. Collins, Federal agricultural statistician at Topeka, has been named state vice-chairman of the Kansas Heart Fund drive. The announcement was made recently by the new state drive chairman, Dr. James A. McCain, Kansas State College president.

Mr. Collins, nationally-known for his leadership in agricultural activities of Kiwanis International, will assist in supervising the coming campaign to support research and educational activities in the battle against heart disease.

**Provide Hogs
With Self-feeder**

Keep hogs gaining with self-feeding. With everything else equal, self-fed hogs will consistently outgain hand-fed ones, says National Barnyard Equipment Council, Chicago.

With self-feeders, hogs will need less feed for each pound of gain and they'll get to market at an earlier age. "These are factors of efficiency that no producer can afford to overlook," says the council. Hogs can eat anytime when self-feeders are provided, and "they never have occasion to distend capacities when feed is always available."

Self-fed hogs need a constant supply of fresh water, not ice water. "Provision should be made to supply this with a modern heated waterer or from a tank with an efficient heater in it." Hand watering is a poor way to maintain good winter gains on growing or fattening hogs, as amount of water is limited, particularly on cold days when troughs freeze over quickly.

**See Big Alfalfa
Seed Crop**

Production of alfalfa in Kansas in 1952 is estimated at 14,400,000 pounds of clean seed, compared with last year's small crop of 2,900,000 pounds.

U. S. Bureau of Agricultural Economics and the Kansas State Board of Agriculture also reports 10-year (1941-50) average is 11,390,000 pounds. Although dry summer curtailed vegetative growth of alfalfa, it favored seed production. Area harvested this year is 144,000 acres, 48,000 in 1951 and 150,500 for 10-year average.

Many Bulletins Sent

Requests for Kansas State College agricultural bulletins, leaflets and circulars during the last year totaled 800,000.

More than half that number were Extension publications, and 110,000 were USDA publications stocked at Manhattan. Of 128 publications printed, 27 were new, and remainder were reprints. The 800,000 total doesn't include requests at local Extension offices.

1 NEW TEST FOR BUTTERFAT...

A new butterfat test, developed by USDA, using detergent instead of sulfuric acid, gives more accurate reading and makes the bottles easier to clean than the long-used Babcock test.



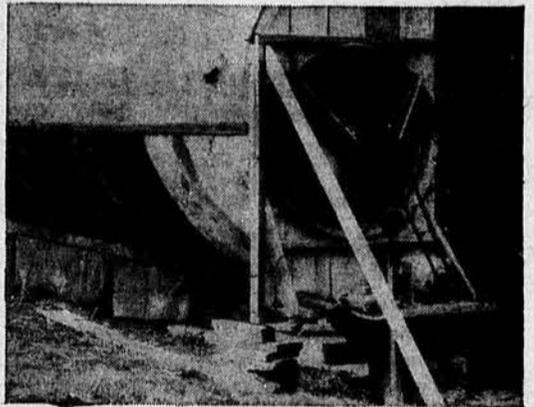
4 TIME TO CHECK YOUR TIRES

... Cities Service Speedmaster Truck Tires cost less and offer more trouble-free miles per tire. They're built of super-strength rayon cord to provide greater strength and greater flexibility. They have wide, flat continuous-rib tread, are cooler running and more bruise resistant. For most miles at lowest cost, ask about Speedmasters.



2 PROCESSED COTTONSEED FOR LIVESTOCK FEED

... Your United States Department of Agriculture has developed a low-cost method of processing cottonseed which produces a high quality meal that can be economically fed to pigs and chickens in larger amounts.



3 GRAIN DRYING PAYS OFF

Drying grain reduces spoilage, cuts down insect and weather damage, provides fewer market discounts on high moisture. Simplest method is forcing unheated air through crib or bin. Ask your county agent.

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| DODGE CITY
Newkirk's | | | WINFIELD
Winfield Electric Co. |
| EL DORADO
Home Appliances, Inc. | | | YATES CENTER
J. C. Schnell |
| ELKHART
Ellis Motor Service | | | |



Now That You Have Electricity

MEN WHO WORK with electricity and electrical appliances have been busy these last few years developing a means of heating. The high consumption of electrical energy has been the big problem, what with heating units putting too great a load on power lines and on pocketbooks.

Matters now are being straightened out. Entire homes are being heated solely with electricity, and the cost has been compared to other heat sources.

The heat pump, of course, is one method that puts electricity to work transferring heat from the earth to warm a home in winter, or removing heat from the home and transferring it to the earth to cool it in summer. A more direct use, however, involves radiant panels which provide a form of heat likened to the sun's rays.

These radiant heat panels fasten on an outside wall, usually beneath the windows. They are unobtrusive and attractive, are framed in colors that complement room decorations, and extend only an inch or so from the wall surface. Obviously few installations are encountered as yet.

Temperature in each room is individually regulated by a thermostat. When energy is passing thru the elements (which are fused in glass) a hand carelessly placed on the glass surface will not receive a burn. The air passes in front of the panels, is warmed, and stirred and rapidly conveyed to another part of the room. Users are praising their results.

Electricity has some less usual uses, too. For instance, we read the other day of a man who constructed an electrical device to let the cat out of the house. He trained the animal to step on a treadle in the basement, the treadle causes a motor to open a cat-size door in one of the basement windows. Nothing was said about letting the cat back in.

Another ingenious person revised his doorbell wiring because his wife was totally deaf. When a visitor pushes the button, a motor rotates fans with rubber blades, the blades thump against the floor and set up a vibration his wife can feel. In addition, the contact flashes lights in several of the rooms.

To some, a number in the billions may be just another statistic. Yet it is worth noting that total residential expenditures for electricity in 1951 amounted to \$2,165,010,000. Dividing that figure by the number of customers listed on December 31 of that year, the average residential bill for electricity amounted to \$55.19. The figures are from the Edison Electric Institute.

Sometime or other you may have wondered just how many of those electrical contrivances are sold in a year. We ran on to a tabulation of just this information. For instance, in 1951 more than 7½ million electric clocks were marketed and nearly 5 million automatic irons. Almost 4 million toasters,

3 million coffee makers, 2 million waffle irons and sandwich grills, 1½ million heating pads. We know folks will say, "I thought it would be more." Others, however, will be amazed at the totals. We credit the National Electrical Manufacturers Association with compiling the figures.

U. S. Department of Commerce figures on electric lamp bulbs piqued our curiosity. This information showed that in 1951 shipments of general lighting bulbs amounted to nearly ¾ billion, that Christmas tree bulbs totaled over ¼ billion, and that total shipments of these and all other bulbs of various description amounted to well over a billion units. These figures are less difficult to believe.

Overhead wires may someday be something we remember away back when. Warnings we have had about burying electrical wires now are being forgotten with the development and production of underground cable. Formerly the wires had to be contained in pipes. Now, a U.S.E. cable offers an ideal solution. It costs a little more than overhead wiring but there are no poles to buy or insulators or supports. A spade is the only tool needed, although a ditcher would involve less labor for a long haul. Manufacturers recommend that cables be buried below the frost line, although this is not vital. It would be well to see that the depth is greater than might be reached by animals slogging across muddy ground but a covering of stones after the cable is laid in the trench might reasonably take care of that.

The problem of scrubbing milk cans has been attacked, electrically. A concern in Dallas has marketed a machine called the Skrub Master which is no more complicated than an electric switch. All that is required, says the information, is to pour a small amount of detergent solution into the can together with a little water. The can then is placed on a self-supporting rack and the juice turned on. The operator slides the can back and forth a little so the brushes act on all the corners and a few seconds later the job is done.

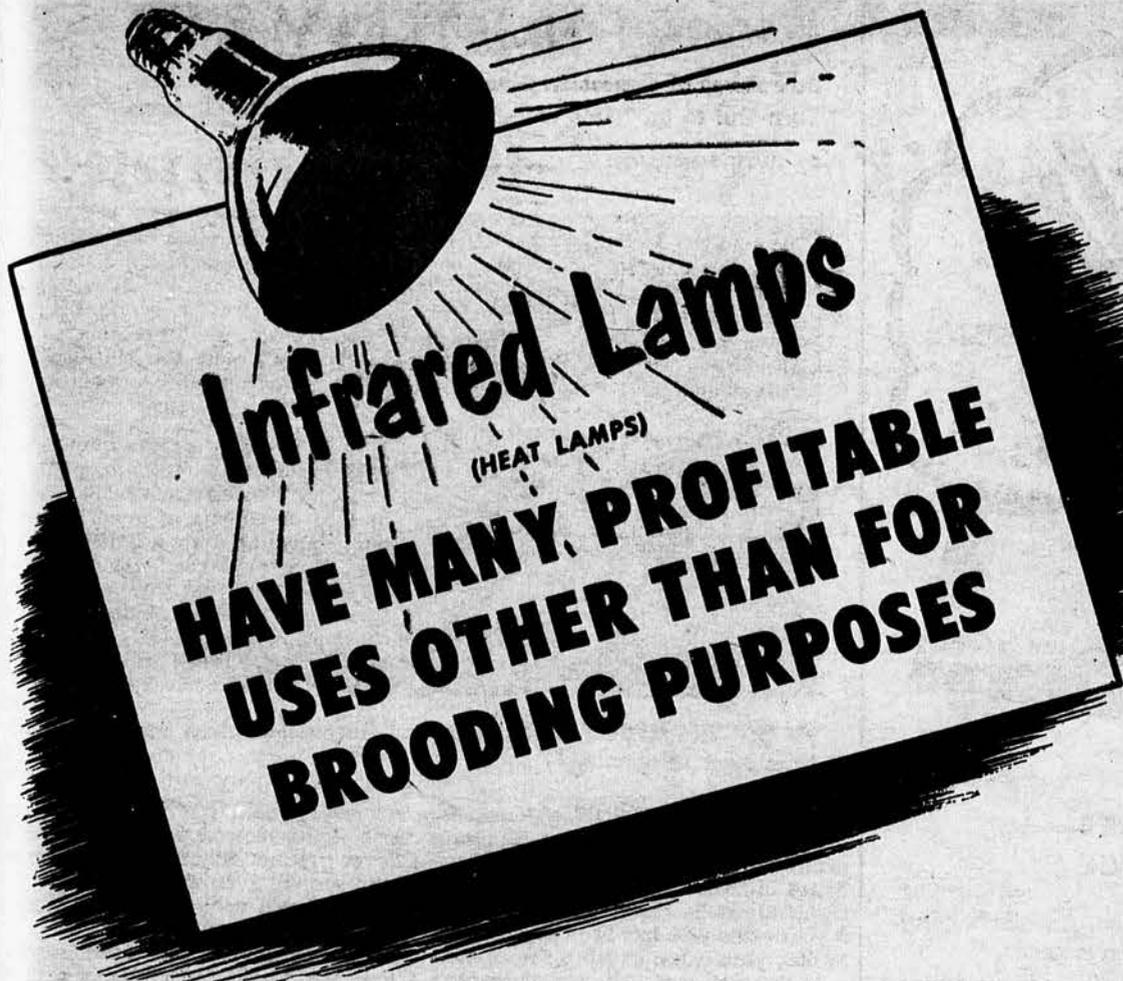
For the kiddies' lunches or quick mixes, a new electric mixer that is completely enclosed has been marketed. Mounted atop a quart-size jar, the motor unit acts as a lid so the splattering action of the paddles does not create a mess.

A 3-way ceiling fixture that is ideal for a breakfast nook or dining room has come to our attention. It appears as a standard shallow glass bowl that reflects light onto the ceiling. An additional feature, however, is a lens in the center that directs a strong beam directly onto the table. One can select either the soft reflected glow, the spotlight beam, or the combination. Frankly, when it comes to carving a turkey, we can see great value in this.

Announce State 4-H Project Champions

SEVENTEEN STATE 4-H champions in outstanding project activity work are announced by J. Harold Johnson, state 4-H Club leader, Manhattan: Canning, Lois Ann Batdorf, Franklin county; clothes, Mildred Hundley, Atchison; dairy, Harold Couchman, Pawnee; farm and home electric, Keith Swenson, Clay; general crops, Merlyn Worcester, Graham; food preparation, Marguerite Jahnke, Geary; frozen foods, Beth Shafer, Shawnee; garden, Lester Phillips, Labette; general home economics, Catherine Cain, Rush; home grounds beautification, Donna Jean

Bloomberg, McPherson; home improvement, Anna Lee Nickel, Marion; meat animal, Fred Cox, Saline; poultry, Bill Tharp, Cowley; tractor maintenance, Darrell Keener, Barton; beef, Elaine Olson, Morris; swine, Warren Keltz, Montgomery; sheep, Loris Luginstrand, Lyon.
Kansas Farmer for December 6 will bring you names of state winners in health, soil and water conservation, corn, sorghum, potato and garden, grasses and legumes, and winners of Santa Fe and Rock Island railroad trips to National 4-H Club Congress.



Infrared Lamps

(HEAT LAMPS)

HAVE MANY PROFITABLE USES OTHER THAN FOR BROODING PURPOSES

Infrared Lamps provide a wonderfully inexpensive and efficient heat source for brooding pigs, lambs and poultry. They require a minimum of special equipment and do a real job of brooding, regardless of the weather. Chicks have been successfully brooded in 15-below-zero room temperatures.

Unlike most farm equipment designed for a specific job, Infrared Brooding Lamps can be used after the brooding period in hundreds of other useful ways around the farm. The uses pictured here are just a few of the many ways that an infrared heat lamp can bring you a lot of comfort and convenience.

INFRARED BROODING LAMPS

Save MONEY — Reduce LOSSES

Easy to install and use—infrared lamps fit any ordinary light socket. For more complete information, visit your nearest light and power company listed below.



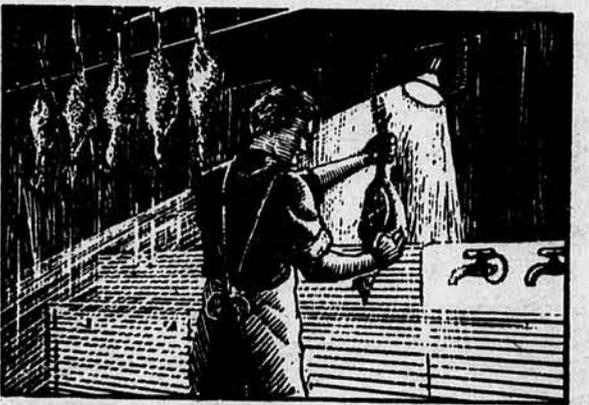
KEEP WATERERS FREE OF ICE



RELIEVES MINOR CONGESTIONS AND SPRAINS



DRIES NEWBORN LIVESTOCK



HEAT FOR COLD HANDS DRESSING POULTRY



MAKES COLD MOTORS START EASY



KEEPS MILKHOUSE WARM



THAWS PIPES

ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

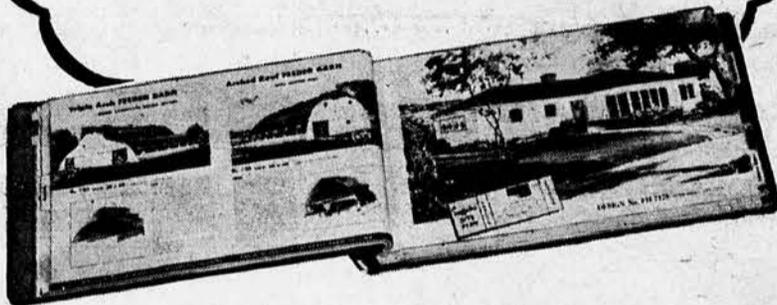
Central Kansas Power Company
Western Light & Telephone Company
The Kansas Power and Light Company

Kansas Gas and Electric Company
Kansas City Power & Light Company



Free Help

IN PLANNING FARM BUILDINGS



WEYERHAEUSER 4-SQUARE FARM BUILDING SERVICE

Here is a Service that can save you time and money . . . while helping you to secure exactly the kind of building your farm needs.

The Service is yours without charge. In it you will see many types and sizes of barns, hog shelters, milk houses, machinery sheds, workshops, poultry buildings, and scores of lumber-built farm equipment items. The modern home section illustrates 16 designs, planned for ideal farm living.

Every building in the Service was planned by experienced farm men . . . and engineered by Weyerhaeuser for sound, durable, economical construction to give you great building values.

Ask your nearest Weyerhaeuser 4-Square Lumber Dealer, listed below, to show you his large Farm Building portfolio. Study and use it. Blueprints and working details are available for every building.

See your dealer now, and send for the big Farm Building Catalog.

WEYERHAEUSER SALES COMPANY

2319 First National Bank Building, St. Paul 1, Minnesota

OVER 150 PRACTICAL FARM STRUCTURES!
See them all
AT THE OFFICE OF YOUR 4-SQUARE LUMBER DEALER

These Dealers CAN HELP YOU!

The Weyerhaeuser 4-Square Farm Building Service is helping many farmers obtain greater building values.

DEALERS IN KANSAS

Town	Dealer	Town	Dealer
Anthony	Rock Island Lumber Co.	Larned	Clutter-Lindas Lumber Co.
Arkansas City	O. E. Woods Lumber Co.	Lawrence	Shaw Lumber Co.
Arnold	Huxmann & Dubbs Lumber Co.	Lenexa	Lenexa Lumber Co.
Ashland	Home Lumber & Supply Co.	Lindsborg	Carlson Lumber Co.
Atchison	Hixon Lumber Co., Inc.	Longford	Longford Grain Co.
Blue Rapids	Burgner-Bowman-Matthews Lumber Co.	Meade	Home Lumber & Supply Co.
Bonner Springs	Bonner Springs Lumber Co.	Ness City	Rock Island Lumber Company
Burlington	Burlington Lumber Co.	Norton	Foster Lumber Company
Coffeyville	Johnston Lumber Co.	Olathe	Cowley Lumber & Hdwe. Co.
Cottonwood Falls	Kansas Lumber Co.	Onaga	Onaga Lumber & Grain Co.
Eureka	Burgner-Bowman-Matthews Lumber Co.	Osage City	Lentz Lumber & Supply Co.
Fort Scott	Rock Island Lumber Company	Ottawa	Ottawa Lbr. Co., Inc.
Frankfort	Herrman Lumber Co.	Pratt	Fred R. Nuzman
Garden City	Andrew Johnson & Son	Pretty Prairie	Independent Lumber Co.
Gardner	Searle & Chapin Lumber Co.	Saint Mary's	George W. Ulch Lumber Co.
Garnett	Porter Lumber Co.	Seneca	Long's Lumber Yard
Great Bend	Gardner Lumber Co.	Tonganoxie	Koelzer Lumber Co.
Harper	Garnett Lumber Company	Topeka	Hunter Lumber Co.
Holt	Rock Island Lumber Company	Ulysses	Whelan Lumber Company
Horton	Rock Island Lumber Company	Waverly	Amsden Lumber Co.
Independence	Brown-Hedge Lumber Co.	Wichita	Star Grain and Lumber Company
Junction City	Horton Lumber Company	Zenda	Long Bell Lumber Co.
La Crosse	Rock Island Lumber Company		Ortmeyer Lumber Co.
Lakin	La Crosse Lumber Company		Rounds & Porter Lumber Co.
Lancaster	J. C. Hart & Company		Stockyards Cash & Carry Lumber
	T. E. Snowden Lumber Co.		George W. Ulch Lumber Co.

Wornout Crop Land Made \$5,600

Few Acres of Caucasian Bluestem Turn Out to Be "Gold Mine" on a Ridge

By RUTH McMILLION



HARRY THOMPSON admires one of his well-stocked ponds on his farm near Minneola.

HARRY THOMPSON, of Minneola, has 15 acres of caucasian bluestem grass on a high ridge of light abandoned cropland which Mrs. Thompson rightfully calls their "gold mine." In 3 years this plot has brought in about \$8,000, plus extra grazing for cattle.

In the spring of 1949, Mr. Thompson seeded caucasian 3 pounds per acre in cane stubble. That year he harvested \$700 worth of seed.

In 1950, this small acreage of "worn-out" cropland produced a \$5,600 seed crop plus grazing. This was more than he realized from 640 acres of wheat the same year.

In 1951, the 15 acres were pastured until July 7, then 750 pounds of seed were harvested worth \$2 a pound; another cash crop of \$1,500. His caucasian is virtually a gold mine.

Operate 1,720 Acres

The Thompson farm is located 7 miles south and 1½ miles east of Minneola. Mr. and Mrs. Thompson operate 1,720 acres; 700 are farmland, the balance pasture.

Mr. Thompson is one of Clark county's foremost soil conservationists and he finds it really pays. This year particularly was he glad to have new grassland and soil-building crops, because their entire wheat crop was hailed out just before harvest, 375 acres. To get some good from that land Mr. Thompson baled 900 bales of the stubble, and feels there will be much feed value in these as they contain the beaten heads of ripened wheat.

Mr. Thompson runs 200 head of cattle and says they leave all other pasture for the caucasian bluestem. Caucasian has 5 times the carrying capacity of native grass and becomes established much faster.

As proof that soil-building practices

are money-makers Mr. Thompson says in 1948 he plowed under 90 acres of clover ground. Since that time continuous cropping on this soil has made more bushels per acre than his summer-fallow ground.

Some of the soil conservation practices Mr. Thompson employs are: 80 acres of clover grazed until May this year; he has 35 acres of caucasian plus 14 acres more in waterways; he has 40 acres of seeded grass mixture, 15 acres of "foundation" Blackwell switch, 20 acres of "foundation Sideoats Grama," 3 trench silos and 2 miles of terracing. He and his son-in-law, Carl Sparks, built them with one-way and mold-board plows. There are 7 silt dams and 4 stock water dams.

Thompson's farm ponds are unusually large and beautiful. Located in deep pasture canyons with trees and cliffs they are of scenic beauty. These ponds are well stocked with fish.

The Thompsons have 2 daughters, Esther, who is 14, and Lorene, Mrs. Carl Sparks, age 19, now located at Camp Brooks, Texas, with her husband who is in the Air Force.

An Active Family

Mr. Thompson is on the PMA board, the Farm Bureau board, fair board and is community 4-H leader. Mrs. Thompson is active in Farm Bureau, belongs to the Garden Club and takes part in community affairs.

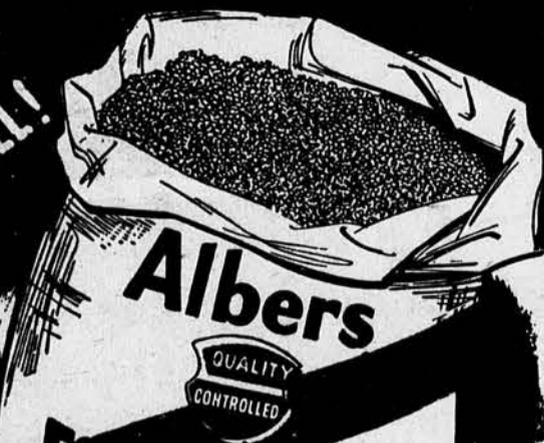
This year the Thompsons had planned on building a new home but after the hail they postponed this project. They work very hard but believe in "summer-fallowing" their lives. They have had several delightful trips; have been all up and down the west coast, traveled to Florida, Washington, D. C., and are planning several other extensive tours.



THIS IS THE attractive home of the Harry Thompsons—well-landscaped for beauty and comfort.

KANSAS STATE UNIVERSITY LIBRARY

COME ON, PARTNER, WRITE-A-CALL
WIN WITH ALBERS FEEDS THIS FALL!



\$150000
IN PRIZES

TO WINNERS OF THE

Albers Write-A-Call Contest!

Join the swing to Albers Egg Maker... and try your hand at writing an Albers "square dance call." You may win one of the big prizes... and, even more important, you'll be joining the swing to the feed all Mid-America is talking about. That's quality-controlled Albers Egg Maker... the finest, most profitable egg feed that 50 years of Albers research and testing have produced.

See your Albers dealer right away. Get as many entry blanks as you want... there's one in every 50-lb. and 100-lb. bag of Albers Egg Maker and Albers All-Mash Egg Mash. Send in your "square dance call" for a chance at one of the valuable prizes... and get started on the squarest feed deal of your life, with Albers Egg Maker.

70 VALUABLE PRIZES!

- 1st Prize..... \$500.00
- 2nd Prize..... \$250.00
- 3rd Prize..... \$100.00
- 4th Prize..... \$50.00
- 5th through 10th Prizes... \$25 ea.
- 11th through 20th Prizes \$10 ea.
- 21st through 70th Prizes

To each winner, a 100 lb. bag of Albers Egg Maker or Albers All-Mash Egg Mash.

Printed below is the original "Albers Call." The verse you write should replace only the first 4 lines of this call, and lead into the last four lines. Be sure to listen to the tune of the Albers call, broadcast regularly on all Albers programs listed below. It will help you write a better verse.



RULES FOR ALBERS "WRITE-A-CALL" CONTEST

How to Enter: An entry blank may be obtained by purchasing a 50-lb. or 100-lb. sack of Albers Egg Maker or Albers All-Mash Egg Mash from any authorized Albers feed dealer.

Print on the entry blank your name and address and your own original words to substitute for the opening four lines of the Albers call, which are as follows:

Albers Feeds are right for you,
Best for poultry 'n livestock too;
So swing on down to your Albers store
And tell the man what ya' came there for

Mail your entry blank to the
Albers Milling Company
314 Fairfax Building
Kansas City, Missouri

Entries must be postmarked before midnight, December 1, 1952.

In case of duplicate entries only the entry bearing the earliest postmark will be eligible. The decisions of the judges will be final.

Who Is Eligible: Everyone is eligible to enter except employees (and their families) of the Carnation Company, the Albers Milling Company, their distributors, dealers, and advertising agencies.

Basis for Judging: All entries will be judged on the basis of originality, cleverness, aptness of thought, and adaptability to commercial advertising use by the Albers Milling Company. All entries become the property of the Albers Milling Company to use in any commercial manner they deem suitable.

ORIGINAL
Albers Call

Albers Feeds are right for you,
Best for poultry 'n livestock too;
So swing on down to your Albers store
And tell the man what ya' came there for

Albers! Albers!
That's the name to say
To get more meat and milk and eggs
Buy your Albers Feed today.

LISTEN TO THE
Albers Call

ON ANY OF THESE RADIO STATIONS

JACK JACKSON
Roving Farm Reporter

KCMO
Kansas City, Mo.
810 on your dial
12:10-12:20 p. m., Mon. thru Fri.

KFSA
Ft. Smith, Ark.

FARM NEWS
Little Rock, Ark.

KLRA
1010 on your dial
6:45-7:00 a. m.

KFBI
Wichita, Kan.

LOYD EVANS
Farm Facts

KWTO
Springfield, Mo.
560 on your dial
6:30 to 6:45 a. m. Tues., Thurs.

KTBS
Shreveport, La.

Albers FEEDS



Albers Milling Company





On Guard!

America's great timberlands are protected from the devastating ravages of fire, by Forest Rangers, constantly on guard, day and night, with modern, heavy-duty fire-fighting equipment.

NEW HEAVY DUTY CHAMPLIN HI-V-I MOTOR OIL



Champlin Heavy-Duty HI-V-I Mil-0-2104 grade oil is constantly on guard in an engine, protecting it against its worst enemy . . . damaging wear. This new, improved heavy-duty oil is on guard against carbon, tar, gum and other sludge-forming matter, with a powerful detergent action that completely disperses them . . . leaves the engine clean!

Engines in passenger cars; tractors; buses and other heavy equipment, need the superior wear protection given by Champlin HI-V-I Mil-0-2104 grade motor oil. Give it to them . . . today!

Intricate engine parts are kept clean and free of gummy sludge. Instead of being deposited on engine parts, the sludge stays suspended in the oil, until it is drained.

A PRODUCT OF CHAMPLIN REFINING COMPANY ENID, OKLAHOMA

"She's a snooty babe since her boss got a HANSON BRODJET sprayer!"

HANSON CHEMICAL EQUIPMENT CO. Beloit, Wisconsin

Thru Sept., Oct., Nov. Only

4

TRADE-IN allowance on your old hydrant toward the purchase of a new



ENTERPRISE NON-FREEZING GROUND HYDRANT

TODAY your old hydrant earns you \$4 toward purchase of the newest, finest. Operates valve — and drains — below frost line! All inside parts removable. Threaded 3/4" spout. Serves all outdoor needs. See your plumber, hardware or implement dealer today.

See the JK Non-Freezing Wall Faucets for homes, too! At your dealers or write THE JAMES KNIGHTS CO., Sandwich 10, Illinois

Fortune Again Heads Farmers Union

Resolutions ask 100 per cent parity, Social Security for farmers, favor watershed type of flood control

E. T. FORTUNE, Topeka, was re-elected president of the Kansas Farmers Union at the 47th annual convention, held in Topeka October 29, 30, 31. Homer Spence, McPherson, also was re-elected vice-president. George Marshall, St. Marys, was re-elected to the board of directors from district 1, and Ervin Oelschlager, Clay Center, from district 2. Lud Strnad, Brewster, was elected as a new director from district 3.

Resolution Highlights

- Highlights of the resolutions: Asked for mandatory price supports for 100 per cent of parity for basic storable farm products, and 90 per cent on perishable farm products with marketing quotas rather than production or acreage allotments as controls.
- Favored extension of Social Security to include farmers.
- Control of inflation thru elimination of waste in all governmental units, local to national.
- Favored watershed treatment for flood control.
- Opposed re-establishment of Farm Credit Administration as an independent agency.
- Demanded retention of greatest possible amount of farmer control in management of all federal or state farm programs.
- Urged a severance tax.
- Asked for amendment to state con-

stitution to allow enactment of graduated land tax and graduated production tax laws.

Favored adequate funds for agricultural research at Kansas State College.

Urged a financial responsibility law for operators of all motor vehicles.

Asked for equalizing assessment of all classes of property.

Asked legislature not to pass any legislation crippling co-operatives.

Urged law to retain 50 per cent of auto and truck tag registration fees in counties where purchased.

Urged that property taxes be paid on all motor vehicles at time of purchase of vehicle tags.

Urged continued state aid for elementary schools with 5 to 9 pupil enrollment.

Like Tree Nursery

Favored continuation of Hays Experiment Station tree nursery.

Urged strengthening of warehouse laws plus more strict enforcement.

Delegates voted down a recommendation from the Council for Improvement of Rural Education to take the county superintendent's job out of politics.

Asked that the War Mobilization Committee be given power to designate disaster areas when necessary.

Opposed any change in 8-month school term.

What It Took to Get Big Corn Yields

TWO JOHNSON COUNTY farmers—Ralph Smith and Paul Schlagel, both of Olathe—had fields that produced more than 100 bushels of corn an acre this year. Mr. Smith's big yield was 114.3 bushels an acre, and Mr. Schlagel's, 104.2 bushels.

The 2 men were top producers in a contest sponsored by the Johnson County Family Life Association known as the 100-Bushel Corn Club. Each contestant seeded a 5-acre tract for the contest.

The 114-bushel corn had 16,360 stalks an acre, about double the normal seeding, and the other field had 14,840 stalks. Both men used fertilizer liberally. Mr. Smith applied about 15 tons

of manure an acre and disked it into the soil before planting corn. He then applied 100 pounds of 16-20-0 commercial fertilizer an acre at planting time. This was followed with 200 pounds of 33-42-0 fertilizer at second cultivation.

The Schlagel program included 255 pounds of 33 per cent nitrogen, 90 pounds of 45 per cent phosphate and 60 pounds of 60 per cent potash—broadcast before planting. He applied 125 pounds of 8-24-8 at planting time and added 140 pounds of 33 per cent nitrogen at second cultivation June 25.

C. T. Hall, county agent, says big factors of success were good management, hard work, and "an assist from Mother Nature."

GRANDMA By Charles Kuhn



I WOULD LIKE SOMETHIN' T' CUT DOWN WEEDS!!



OH, NO!! THAT WILL NEVER DO!

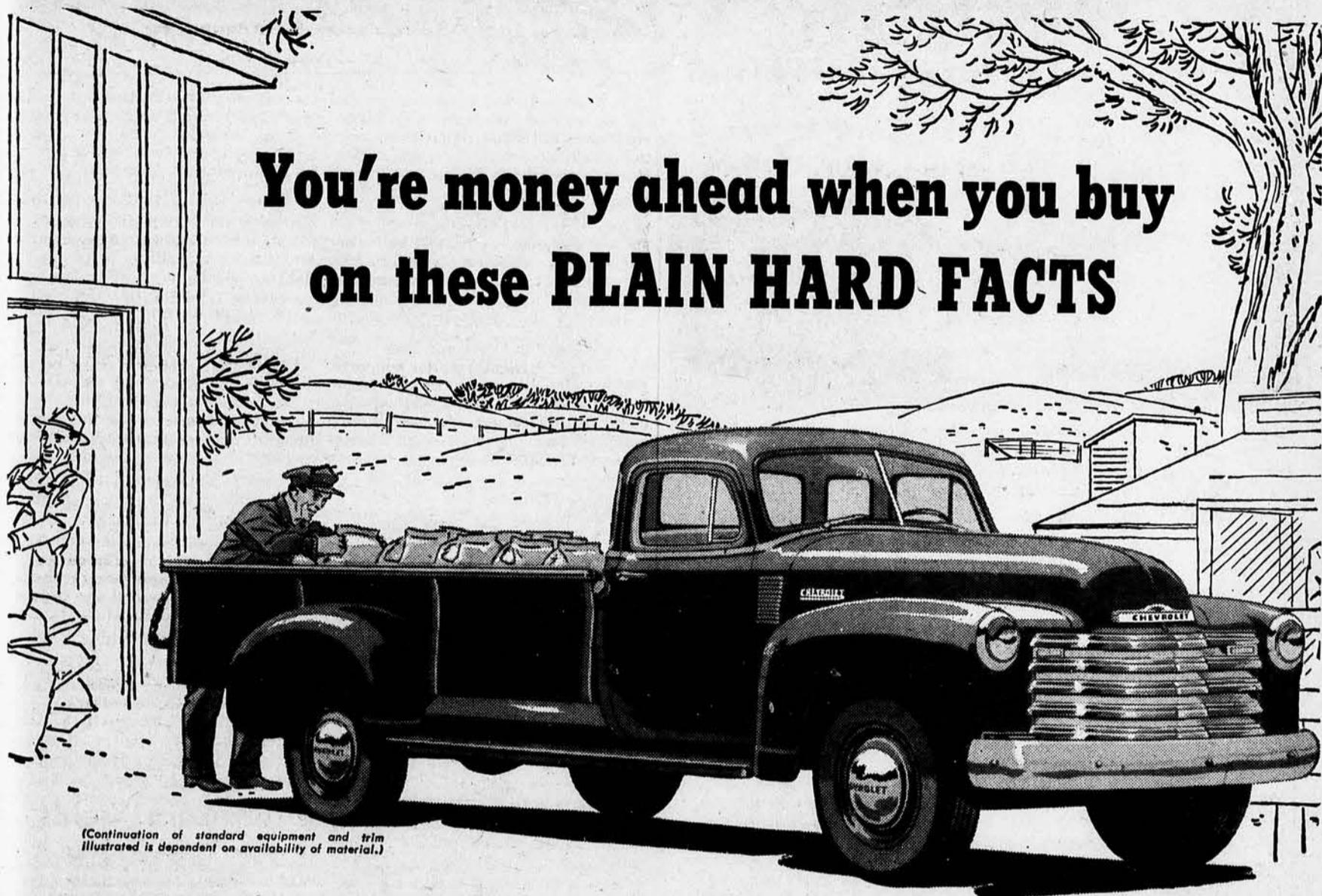


I WANT SOMETHING THAT'LL CUT BIG ONES



HECK, I REALLY HAVE WEEDS AT MY PLACE!!

9-16 CHAS. KUHN



(Continuation of standard equipment and trim illustrated is dependent on availability of material.)

You're money ahead when you buy on these **PLAIN HARD FACTS**

Stack up what you get for what you pay . . . and join the nation's largest group of truck users by choosing Chevrolet!

Here are the facts — the plain hard facts — about Chevrolet trucks. Here are the reasons why more people own and operate Chevrolet trucks than any other make! Chevrolet's low purchase price . . . Chevrolet's on-the-road performance . . . Chevrolet's on-the-record ability to work for rock-bottom wages

in terms of fuel and maintenance. All are good sound reasons why Chevrolet is the favorite of farmers across the nation. But be your own judge. Check the facts. Then see your Chevrolet dealer for America's top truck value! Chevrolet Division of General Motors, Detroit 2, Michigan.

Fact No. 1

Save Money on Purchase Price

Stack up a Chevrolet truck against *any other truck* capable of handling the same payloads. You'll find the Chevrolet truck lists for less. And it brings you ruggedness, stamina, and great truck features.

Fact No. 3

Save Money on Operating Costs

Chevrolet trucks cost least of all to own and maintain. Valve-in-Head economy saves on gas. Chevrolet's special 4-way engine lubrication system reduces wear, keeps oil costs low.

Fact No. 2

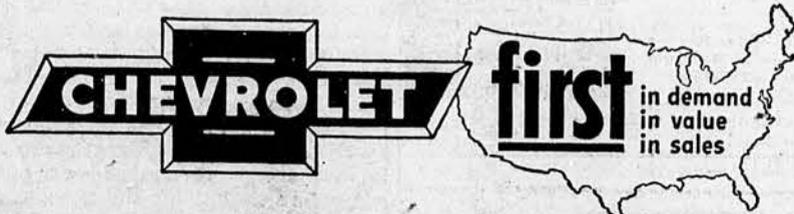
Save Money on Job Efficiency

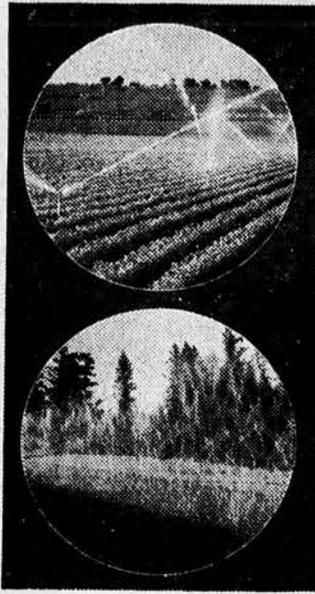
Chevrolet trucks are factory-matched to your payload requirements. Frame, axles, springs, body, brakes, and power are part of a well-balanced team that does the job at lowest cost.

Fact No. 4

Save Money on Lower Depreciation

Chevrolet trucks traditionally bring more money at re-sale or trade-in than any other make of trucks which cost about the same when new. Chevrolet's market value stays *up* because the value stays *in*.





FAST, EASY OVERHEAD IRRIGATION

with ROTO-RAIN or PERF-O-RAIN* equipped with

AMES BALL COUPLERS and VALVES



"Make rain while the sun shines" with low cost, portable Ames ROTO-RAIN Revolving Sprinklers or PERF-O-RAIN. Ideal for row crops, orchards and pastures. Available in Aluminum or Galvanized Steel with self-sealing, self-locking AMES BALL-COUPERS and VALVES.

ROTO-RAIN, using relatively high pressures, lays down controlled "showers" in overlapping circular patterns. Sprinkler heads are selected for correct crop and soil application.

PERF-O-RAIN, using very low pressures, lays a uniform, gentle "rain" over a rectangular area through a pattern of holes along the pipe. Many call it the simplest, most efficient rain making system ever developed.

AMES BALL COUPLERS make field connections "as easy as ABC." No latches, chains or other gadgets. Water pressure automatically locks and seals the connection. Push, click... it's engaged! A twist and a pull... it's apart! ABC VALVES close against the flow, providing easy precision control of water in mains or laterals.

Ames also manufactures Lo-Head Gated Pipe, Syphons and Furrow-Tubes for efficient controlled furrow watering.

Experienced engineers will help you plan your system. No obligation. See your nearby Ames Dealer listed below, or write the nearest Ames-plant for dealer's name.

Send for free illustrated folders.

*Patented 1 Patents Pending



W. R. AMES COMPANY

150 HOOPER STREET, SAN FRANCISCO 7, CALIF.

3905 EAST BROADWAY, TAMPA 5, FLORIDA

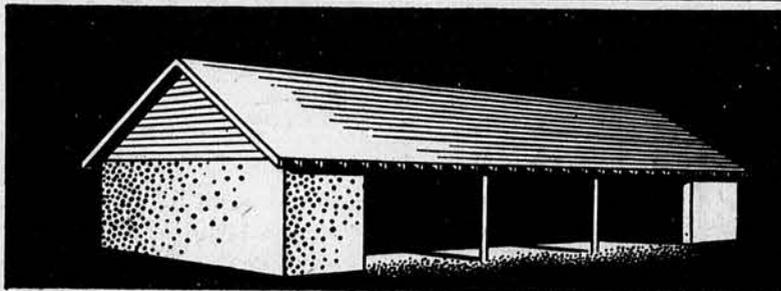
SEE YOUR NEAREST AMES DEALER:

Denver, Colorado: Irrigation Systems, Inc., P. O. Box 6597
 Hugoton: Hugoton Farm Impl. Co. Quinter: H. T. Courtney Larned: Elmer Miller

YOU ARE LOSING MONEY!

If you have Farm Machinery or Equipment, you do not use setting around

A CLASSIFIED AD WILL SELL IT
 Only 10c a Word — 12 Words Minimum



\$38 will deliver this DODSTONE Cattle Shed

A genuine Dodstone cattle shed is a permanent structure, storm proof and vermin proof. No maintenance costs on Dodstone buildings. Pay \$38 now, balance later.

LOADING SHED... FEEDING UNIT... OR GENERAL PURPOSE

A very economical construction. Steel reinforced masonry. Air space prevents sweating. Light weight units do not absorb moisture. Requires less footing. No cracks in walls.

THERE IS A DODSTONE PLAN FOR EVERY NEED

<p>DODSTONE BARN</p> <p>Dodstone provides a long-life material for top-quality insulated barns.</p>	<p>POULTRY PARLOR</p> <p>Give laying hens dry even temperature, protection from vermin and rodents, get more eggs.</p>
<p>DODSTONE MILK PARLOR</p> <p>Meets all inspection requirements, keeps bossy warm in winter, cool in summer.</p>	<p>DODSTONE HOG HOUSE</p> <p>Strong, light-weight construction gives durable, economical protection for hogs.</p>

Remember, Dodstone is Permanent, Fireproof and Vermin Proof
 Call or Write the Dodson Manufacturing Company for Further Details TODAY

DODSON MANUFACTURING CO., INC.
 CONCORDIA, KAN. — WICHITA, KAN.

Thoughts TO LIVE BY

"Financial Freedom"

THERE IS NO SUCH THING as financial freedom. The man who lacks money to pay his bills is torn by anxiety. And the man who has sufficient resources fears lest he will lose them. Both the "haves" and the "have nots" are in bondage albeit of a different kind. Most of us succeed in keeping our credit good, but we never have an appreciable margin of safety. That makes it easy for us to understand the person who insists that his particular problem is not spiritual but financial. With such a person, I would share some of the suggestions growing out of the experiences of others.

1. Pray over the problem. Even things as materialistic as money have their spiritual implications. We believe that God has the answer to all of life's problems. It behooves us to give him an opportunity to lead us.

2. Guard against becoming money conscious. Life is impoverished when everything is appraised in terms of dollars and cents. Thinking in terms of money is often a negative process. When one considers the things he lacks, he feels far different than when he counts his many blessings. Paul told Timothy, "The love of money is the root of all evil." It is wise to set one's affections on higher things. Money never makes for happiness; it just makes our misery more comfortable.

3. Remember "God will take care of you." He feeds the birds of the air and clothes the flowers of the field. We are of more value than they. Have faith in His fatherly care.

4. Face the problem frankly and discuss it openly. Most domestic difficulties arise when one person holds something out on his spouse. The facts, themselves, when they are laid upon the table, frequently points toward a solution.

5. There are budgetary aids. Some banks, insurance companies, and stores have books on family financing. In these books, a family records daily all the expenditures under the listed headings. Then at the end of the month, these items are added and the totals are compared with a recommended scale. It is often the little expenses, many of which are unnecessary, that cause our troubles. There are family service agencies

in many communities. They offer help in setting up budgets—so much for food, for clothes, charity, recreation, insurance, savings. Pastors and priests are willing to help in this field as well as with other personal problems. It is possible for families with modest incomes by proper budgeting to save more money than some families do who have greater earning power.

6. If the money available cannot cover the expenses, then either the income must be enlarged or the standard of living must be lowered. When necessary, expenses can usually be reduced. It may hurt our pride to let the Joneses outstrip us, but it may help our financial condition. Among our American necessities, one can usually find many luxuries.

7. Here is a suggestion that seems illogical. It is like saying a person can accomplish more in a week by working 6 days and resting one than he can by working 7 days. There is a divine system of mathematics that supersedes what we learn at school. I am alluding, of course, to tithing—giving the first tenth of one's income to God thru the Church and other charitable agencies. No one can prove it to the satisfaction of anyone else, but many people will testify out of their experience that nine-tenths with God's blessings will go farther than ten-tenths without it. In the divine Name, Malachi issued a challenge and enunciated a promise when he wrote: "Bring ye all the tithes into the storehouse, that there may be meat in mine house, and prove me now herewith, saith the Lord of hosts, if I will not open you the windows of heaven, and pour you out a blessing, that there shall not be room enough to receive it. And I will rebuke the devourer for your sakes, and he shall not destroy the fruits of your ground; neither shall your vine cast her fruit before the time in the field, saith the Lord of hosts. And all nations shall call you blessed: for ye shall be a delightful land, saith the Lord of hosts."

These suggestions will not give anyone perfect freedom in the realm of finances, but they will make giving a pleasure, and they will eliminate the panic that plagues us, and give us instead poise and assurance.

—Larry Schwarz

Use Roses in Your Landscaping

By WILLIAM G. AMSTEIN, Kansas State College

FOR MANY YEARS most gardeners used rose plants in beds laid out on a formal plan. In turn they used other types of plants for landscaping purposes. A formal rose garden is a fine sight, but today many homeowners are making other effective uses of these colorful flowers.

A major factor in the trend toward a more functional use of roses has been development of hardier and more productive plants. These will thrive anywhere in the country with ordinary care. Thru co-operative programs of research and development sponsored by the country's leading growers and introducers, poorer varieties are culled out before they reach the market. Today you can buy more roses that have proved superior under actual test.

Best known of these groups is All-America Rose Selections which annually chooses the finest of the new introductions developed in this country and abroad for the country's highest rose award. All plants receiving this honor are tagged with a green-and-white label as a sign of this award. The country's leading nurserymen stand behind this label.

Use of roses in solving many landscaping problems is largely a matter of individual preference. As long as the site selected has 3 things—good soil, good drainage and plenty of sunlight—quality roses will thrive with minimum care.

Three classes, hybrid teas, floribundas and climbers are the most popular

(Continued on Page 19)

with home gardeners. These offer a wide range of color, a continuous supply of cut flowers for the house, and adaptability which can be put to almost any use.

Hybrid teas are the class most widely grown by American gardeners, and are well suited for both formal beds and informal groupings. The flowers are large, well formed and borne on long stems, ideal for cutting. Set against a background of evergreens, they will add color and height along the prop-

ingly popular in recent years, and because of their prolific blooming habit are much in demand. For foundation plantings, their heavy flower clusters create a unique effect. As a group planted in a number of ways they give charm and color from spring to fall.

Perhaps the most popular use for floribundas is in hedges where the mass color effect is unlike anything else in the garden. Vogue, a current All-America Selection, a brilliant cherry-coral, and the coral shell-pink Ma Perkins, the 1953 selection, are outstanding for plantings of this type. Both of these varieties are descended from the famous Fashion, another award winner and universal favorite.

Climbers are well known to most and their uses seem almost endless. Trained over walls, fences and trellises they afford a display of brilliant color that is unforgettable. They usually require little care, and while the industry has not yet developed a climber that will give the constant parade of flowers expected in a hybrid tea or a floribunda, the new varieties are moving toward the goal. No climber has recently won the All-America award, but officials say this year's entries show considerable improvement.

If your present planting lacks any one of these 3 types of roses I would try to get them for planting in 1953. Both your family and your neighbors will enjoy them.

Thank You

We enjoy the helpful articles in your magazine, *Kansas Farmer*, and look forward to next copy.— J. A. Kimbrough, Jewell Co.

erty line or in a foundation planting. They also look well when used along terraces and against fences where their height and color show off best.

Two outstanding new roses in this class are Helen Traubel, an award winner for 1952 which is a lovely apricot pink, and Chrysler Imperial, a rich crimson red. Chrysler will be available to gardeners for the first time this fall. Another outstanding hybrid tea creation is Fred Howard, a rich gold with soft pink pencilling.

Floribundas have become increas-

COMING EVENTS

- November 15—Barber county, 4-H achievement banquet, Medicine Lodge.
- November 15—Pawnee county, annual 4-H achievement banquet, Larned, Zook school.
- November 17—Butler county, annual agricultural council meetings, El Dorado.
- November 17—Johnson county 4-H leaders and officers training school, at Olathe, with Mary Be Border and Ray Fort.
- November 17—Finney county, 4-H achievement party and fun night, presentation of awards, recognition of outstanding club members, recreation, refreshments, Garden City.
- November 17-18—Barton county home demonstration unit leader training school, on "Land, Water and People," with C. R. Jaccard.
- November 18—Ellsworth county, 4-H achievement banquet, Ellsworth, Wilson high school.
- November 18—Barton county REA annual meeting, Great Bend.
- November 18—Pawnee county, annual county extension achievement program, Larned.
- November 18—Woodson county annual meeting agricultural Extension council, Yates Center.
- November 18—Labette county, annual meeting agricultural Extension, Altamont, City Building.
- November 19—Kingman county, district ABA meeting.
- November 19 — Wilson county horticultural school, with W. G. Amstein, KSC specialist, Fredonia.
- November 20—Barton county 4-H achievement banquet.
- November 20 — Jefferson county, Extension council annual meeting.
- November 20—Labette county, annual meeting Extension council.
- November 20—Phillips county, 4-H achievement banquet, Phillipsburg, Presbyterian church basement.
- November 20—Wilson county extension council annual meeting, Fredonia.
- November 21—Ellsworth county, annual meeting Extension council.
- November 21—Graham county, farmstead layout, landscaping and windbreaks, general meeting, Hill City.
- November 21 — Ellsworth county extension council annual meeting, election directors, program planning, Ellsworth.
- November 24—Johnson county 4-H achievement banquet, at Olathe, community building.
- November 25—Dickinson county, annual Extension council meeting, Abilene.
- November 30—December 4—31st National 4-H Congress, Conrad Hilton Hotel, Chicago.
- November 30-December 6—International Live Stock Exposition and International Hay and Grain Show, International Amphitheatre, Chicago, Ill.

- December 1—Shawnee county extension council annual meeting, Topeka.
- December 1—Gray county extension council annual meeting, Cimarron Western Cafe, 12:00 noon.
- December 1—Nemaha county extension council annual meeting, Seneca.
- December 2 — McPherson county agricultural Extension council, annual meeting.
- December 3—Wilson county leaders' training school, with Roger Regnier, KSC, Fredonia.
- December 3-5—Kansas Poultry Improvement Association meeting, Emporia.
- December 3—Barber county extension council meeting, Medicine Lodge.
- December 3—Rawlins county extension council annual meeting, Atwood.
- December 4—Nemaha county dairy meeting, Seneca.
- December 4—Pawnee county extension council representatives annual meeting, election of board, Larned.
- December 4-5 — State Horticultural Society annual meeting, Hutchinson.
- December 5—Russell county extension council annual meeting, Russell.
- December 5—Johnson county Extension council annual meeting, at Olathe community building, with Frank Blecha or O. B. Glover.
- December 9—Shawnee county farm shop welding school, Topeka.
- December 9—Wabaunsee county dairy and crops school, Alma.
- December 9—Kingman county agricultural extension council meeting, Kingman.
- December 11—Johnson county 4-H leaders recognition dinner by Sears Foundation at Kansas City.
- December 11—Woodson county soil conservation district annual meeting, Yates Center.
- December 11—Wabaunsee county farm welding school, Alma.
- December 11—Barton county extension council annual meeting, Great Bend, 7:30 P. M.
- December 11-12—Shawnee county income tax consultant school, Municipal Auditorium basement, Topeka.
- December 12—Shawnee county dairy and crops school, Topeka.
- December 12—Barton county rural life officers training school district meeting, Great Bend.
- December 12—Nemaha county 4-H Club meeting, with Roger Regnier, KSC specialist, Seneca.
- December 13—Ellsworth county 4-H officers and leaders training meeting.
- December 15—Elk county winter garden and horticultural school.

New Truck Pact

Another 2-state truck pact has been signed for better traffic agreements. Kansas and South Dakota officials, on October 29, signed a reciprocity agreement which provides motor vehicles of both states can go into the other state if they bear license plates of their home state, but trucks subject to ton-mileage taxes must pay them in state they are visiting.

This is the 8th reciprocity agreement signed. *Kansas Farmer* has brought you several stories about these new agreements for better vehicle travel. Similar agreements have been signed with Wisconsin, Illinois, Iowa, Oklahoma, New Mexico, Utah and Colorado.

Hen House Helps

We have 2 leaflets for you for better poultry production. They're printed by Pillsbury Mills, Inc., Minneapolis, Minn. Tell how to get more eggs, better birds, keep costs down. They're free. Write Farm and Home Service Editor, *Kansas Farmer*, Topeka, Kan., for a copy of:

- "Hen House Helps"
- "Cull-up Guide"

MINNEAPOLIS-MOLINE MODERN MACHINERY FACTORY-BUILT LP GAS MODEL TRACTORS



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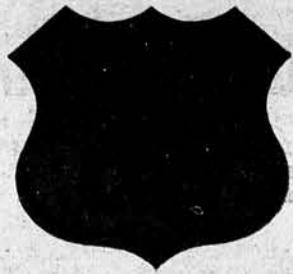
Now you, too, can pull a 15 ft. disc. Wings fold back for added weight or for passing through gates. 16 or 18 inch highest quality steel blades. Deep, even penetration.

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Phillips Chemical Company is producing tremendous quantities of nitrogen, but even our big output can't keep up with today's needs. So make the most of the nitrogen you get. For best results, apply the proper amounts at the proper time. Use phosphate, potash and lime where soil tests indicate the need. Ask for Phillips 66 Ammonium Sulfate (21% Nitrogen); Phillips 66 Prilled Ammonium Nitrate (33% Nitrogen), or Phillips 66 Agricultural Ammonia (82% Nitrogen). Plan your fertilizer needs well in advance and place your orders early with your local fertilizer supplier.

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STORE UP NOW FOR SPRING

Avoid the spring rush for the limited supplies of nitrogen fertilizer that will be available. Buy it now—whenever you can—for fall or early winter application or to store for use next spring. Easy to store: Phillips 66 High Nitrogen fertilizers resist caking. Stack 5 to 7 bags high in dry shelter on dry wood floor or planks. Leave room between stacks. Stack away from outside walls. Keep livestock away.

FOR HIGHER YIELDS USE PHILLIPS 66 HIGH NITROGEN FERTILIZERS!

Phillips 66 Ammonium Sulfate and Prilled Ammonium Nitrate are free-flowing, easy to spread or drill. Phillips also produces Agricultural Ammonia (82% Nitrogen) for direct or irrigation application.



"The Best Turkeys You Can Buy"

(Continued from Page 1)

where Mrs. Chamberlin meets them and rushes them to an incubator to finish the job of hatching.

Feed conversion on the basis of feed required to produce a pound of meat is about the same for the smaller Beltsvilles as it is for the large broad-breasted bronze, says Mrs. Chamberlin. "One advantage of the Beltsville Whites, where a laying flock is kept," she says, "is that hens sell well at end of the laying season. At all times, too, toms sell for as good a price as hens." Dressed birds at the Chamberlin farm average about 8 pounds for hens and 12 for toms, which is about right for many families who want turkey but can't handle the big ones. "We get an extra 20 cents a pound for dressed turkeys and figure that is where our profit comes from," says Mrs. Chamberlin.

The dressing plant shared by Mrs. Chamberlin and the Kruegers is inspected by both state and local health authorities. Secretary of the Kansas Turkey Federation, Mrs. Chamberlin is active in promoting the industry in Kansas. She pays tribute to Kansas hatcherymen who, she says, "are making a voluntary contribution of one cent a poult to build up a fund to promote turkey consumption."

Whole Family Helps

Everybody at the Chamberlin home gets into the act, too. A nephew of the Chamberlins, Roger James, 12, has 100 Beltsville Whites as his 4-H poultry project. This year he took the grand championship over all poultry at Kansas State Fair.

At Thompson Turkey Farm, near Wichita, Mr. and Mrs. Jesse Thompson started into the turkey business in a small way 14 years ago. As their sons, Dwight and Keith, became old enough to help the business was expanded. Thompsons now raise, dress and retail on the farm about 4,000 birds a year. They have both the large broad-breasted bronze and Beltsville Whites.

Poults are started in a brooder house 24 feet by 160 feet that will hold 4,000. The brooder house is equipped with sun porches and feeding is done by taking feed thru the house in a car suspended from a rail attached to the ceiling. When poults are 12 weeks old they are put on range.

Thompsons have their dressing plant and a sale room where they sell fresh-dressed or dressed and frozen birds right on the farm. Their surplus birds above current sales are kept in a Wichita locker plant. "We are getting ready to build our freezer locker plant here on the farm, tho," says Mr. Thompson, "as it will save us the work of transporting birds back and forth."

A clever idea is used by Thompsons to help merchandise their turkeys. Each dressed turkey sold carries a tag, on one side of which are these words: "Another Thompson Turkey, Oven Ready, Direct from the Farm That Grows Them." On



BEFORE PUTTING turkey in oven Mrs. Chamberlin sometimes covers it with foil, like this, to keep moisture in. She has been raising turkeys 9 years.

the other side of the tag are directions on how to care for the turkey before and during cooking.

"We want satisfied customers and to get them we do everything we can to insure that turkeys they get here will be the best they could buy anywhere," says Mr. Thompson.

Like almost everything on the farm, turkey growing is becoming more and more a specialized business. In 1935 there were some 600,000 turkey growers in the United States and they marketed 22 million birds. By 1950 the number of growers was down to 200,000 but they marketed 45 million birds.

Here Are Trends

In Kansas the trend is the same as for the Nation, with still another angle. Turkey production is shifting from the Southwest to Central and Eastern Kansas. M. A. Seaton, Kansas State College Extension poultry specialist, thinks this is due to 2 reasons: "Central and Eastern Kansas farmers are more poultry minded because poultry fits better into a small-farm unit, and because there are more large towns to provide better markets, both for live and dressed birds."

See Soil

Resources Program

Visitors at the Jay A. West farm in Doniphan county, October 1, at a special field day saw a completed soil conservation plant in operation.

The farm has its soil erosion problems very nearly under complete control, due to many soil conservation service programs put into effect. Sponsors of the program were Doniphan county soil conservation district and the county Extension service office.



IT'S A FACT . . .

Art of using a divining rod for finding something hidden underground goes back to Roman days. Several kinds of materials have been used—forked hazel twig, willow rod, piece of wire or watch spring, beech or holly twig. One 1952 model is a quasi-electronic divining rod that points a stainless-steel needle toward buried item! Using a forked stick to find hidden springs of water was NOT pure hokum to many people. Even in modern times there have been public demonstrations which fooled skeptics!

PURINA

CHECKERBOARD NEWS



Around the
PURINA
FARM with
HAROLD L. WILCKE

ASST. MGR., RESEARCH DEPT.

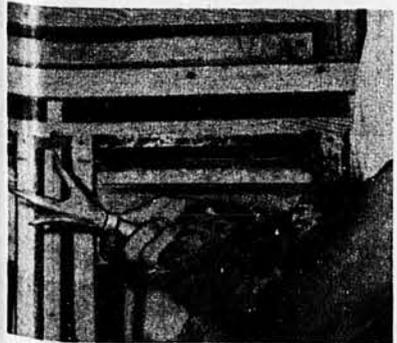
SELECTIVE FEEDING can be as important to results as selective breeding of livestock and poultry. We've found we can get more efficient gains by feeding for a purpose. And fall is a good season to decide what young livestock and poultry to condition as breeders or producers and which to feed out for market.



BREEDING GILTS are selected right out of our fattening pens at 5½ months. We pick early-maturing gilts that have at least 12 teats. No feed is wasted since gilts, carrying good condition at 5½ months, require only limited feeding up to farrowing time.

This system lets us pick breeders according to their own rate of gain and quality as well as their mother's record. We can tell more about bone development, breed type and body conformation. We breed our gilts at 8 months. At farrowing they weigh 450 to 470 lbs.

HEIFERS picked for dairy conformation and fed the proper ration can be bred several months earlier than those on the average farm. Although they're younger than the average when bred, our heifers are large and well developed when they drop their first calf.



PULLETS not on experimental feeds are culled by the trap-nest method. A nonproducing bird eats 30 to 40c worth of feed a month. Ours are sold for meat as soon as they slack off in production.



The contents of the milk cans are determined largely by a consistent program of good feeding and management. John Weir, Jr., Purina Salesman Clyde King and Dale Arbuckle, Purina dealer in Arkansas City, discuss important points on high milk production.

Teen-age Project Results in 5 "Ton of Gold" Cows

by Chet Frazier

GEUDA SPRINGS, KANS.—FFA and 4-H Club work helped young John Weir, Jr. choose the path that he was to travel in the years ahead . . . the path that has led him to dairy success.

His first project in club work was a dairy heifer which was a starter for his present high-producing Jersey herd. "I can't recommend 4-H and FFA work high enough. It gives the kids a definite foundation," Weir says.

Weir was named the American Farmer and the Kansas Star Farmer in FFA work in 1939. These honors were given in connection with his registered dairy herd.

And he's been adding trophies to his string ever since. He has pro-

duced 5 "Ton of Gold" cows, those producing 500 lbs. of fat annually for 4 consecutive years. He had the best uddered cow at the American Royal Livestock Show in 1950-51; at this same show he had the reserve grand champion cow and the junior champion heifer; and he showed the grand champion Jersey at the Kansas State Fair in 1950-51.

Weir learned years ago that good breeding plus good feeding and management are a successful trio for dairy profits. He started out mixing his own ration, but soon discovered that it was more profitable for him to follow the Purina Dairy Program.

"Purina Milk Chow is the feed that will get me more production," Weir explains. "The labor cost in-

duced 5 "Ton of Gold" cows, those producing 500 lbs. of fat annually for 4 consecutive years. He had the best uddered cow at the American Royal Livestock Show in 1950-51; at this same show he had the reserve grand champion cow and the junior champion heifer; and he showed the grand champion Jersey at the Kansas State Fair in 1950-51.

involved in feeding Milk Chow is much cheaper than mixing my own ration." He fits his show animals entirely on Purina D & F Chow.

Weir's herd average for the past 5 years has been from 420 to 440 lbs. of butterfat. Last year his 20-cow herd averaged 426 lbs. of butterfat.

A graduate of Kansas State, Weir has served as president of the Kansas Jersey Cattle Club for 3 years, and for the last 2 years he has been president of the Kansas Inter-Breed Council.

Our hats are off to the thousands and thousands of 4-H Club boys and girls and the FFA boys throughout the country, their instructors and parents. John Weir, Jr. was once just a youngster with ambition, but thanks to his training this childhood desire developed into a profitable dairy operation.

Faithful, exact milling means money to feeder

YEARS AGO feed milling was a much simpler business than it is today. The best rations known to science then required ingredient proportions such as 10% soybean, 7% bran, 15% meat scrap, 10% fish meal, and so on. Such formulas were relatively easy to mix with complete accuracy.

By today's standards of results from feed, a feed manufacturer wouldn't stay in business very long with those easy-to-mix formulas! Recent research discoveries of the value of antibiotics and other growth elements have revolutionized the business.

Many of these vital growth ingredients are used in minute amounts, such as 1/10 of an ounce per ton of feed! Without experienced technical milling knowledge, plus precision milling equipment, advantages of nutritional research are lost.

Having the right formula is just one step. Next, ingredients purchased must be quality tested. Then the formula must be mixed exactly right by modern methods and machines operated by skilled men.

What difference does it make if through improper mixing, a tiny amount of some growth ingredient is left out of the bag of feed you buy?

It may make a difference of 4-6 ozs. per chick in 5-week-old chicks, 6-8 ozs. per poul in 5-week-old turkeys, plus differences in vigor, feathering, uniformity, and ability to



This Purina miller is pulling one of a series of valves that control bin gates and let correct amounts of each ingredient into mixer hoppers. Scales record weight of ingredients released. It takes this type of precision equipment to properly mix today's exacting formulas.

make continued profitable growth.

Research at the Ralston Purina Company constantly develops improved formulas. Laboratory tests check ingredients for required quality. Milling equipment and techniques meet today's exacting needs, and experienced men operate equipment.

You, the feeder of Purina Chows, are constantly in the minds of Purina personnel. Purina millers are justly proud of their craftsman-

ship in filling Checkerboard bags with the exact formulas Purina Research produces and proves.

When you order Purina Chows you get products with latest formula improvements known produced by a highly skilled, well coordinated team—Research, Laboratory, Mill—working together to give the customer the right formula in the right form to help his livestock and poultry make meat, milk, eggs conveniently and profitably.

TALKING POULTRY HEALTH



W. C. Schofield, D.V.M.
Disease Control Laboratory

If unusual poultry disease symptoms appear in your flock, the wise course is to get specimens to a diagnostic laboratory *quick*. Delay of a day or two may give the disease a chance to spread through the entire flock.

With most outbreaks of disease we'll tell you to check and correct faulty ventilation; to clean up and disinfect; to fix water fountains so they won't overflow; to check birds for lice and worms and colds. Why wait until disease threatens to correct these sources of trouble?

Lice may not *cause* 50% of our fall poultry trouble, but we do find lice on more than 50% of the adult poultry specimens submitted to our laboratory.

"Colds" are usually caused by a virus or bacterial infection of some kind, but intestinal worms or the slimy mucus indicating an earlier attack of coccidiosis have lowered the resistance of about 50% of birds we examine.

Lice and worms and coccidiosis are problems every poultryman must face and whip. Your Purina dealer has products for their effective control. Why don't you ask his advice and set up a program that will lessen the danger of such diseases taking toll in your flock.

Boost hens while prices are right . . . get up to 2 Dozen Bonus Eggs

PAT YOURSELF on the back if you're one of the smart poultrymen who disregarded the seasonal slump in egg prices last spring and raised a pullet flock. Feed the right egg-making ration now and you can cash in during a season of high prices.

Egg prices are normally highest in fall months because average pullet flocks are slow to come into full production. Prices should go even higher this year since the hen population is lower than the average for the past 10 years.

During September, October, November and December, most farmers' pullets and hens lay only 11 or 12 eggs a month. Flocks at the Purina Research Farm consistently average at least 6 more eggs per hen each month. These are layers

kept under normal farm conditions. Purina's best-bred flocks go up as high as 3 dozen extra eggs during the same four months.

The 2 dozen bonus eggs during the four peak-price months will likely bring 80c or more. The laying feed you use may make the big difference in your fall egg harvest.

You'll probably use your own grain for half the ration. It makes good energy feed. What you need is the right egg-making balancer to go with your home-grown grain.

Your Purina dealer can help you pick the Purina Laying Chow best suited to your needs. Also ask him about Purina Booster Checkers. The wonderful new feed, sprinkled on top of mash once a day, helps to build up pullets' bodies during their first 5 months of production.



KANSAS STATE UNIVERSITY LIBRARY

1/3 MORE on the Purina Hog Program can mean up to TRIPLE PROFITS...

THE AVERAGE farmer weaned about 6.44 pigs per litter last year. The Purina Research Farm herd has weaned 9.15 pigs per litter. Many Purina Hog Program feeders report equally good results.

Since it is generally agreed that 5 pigs must be weaned to break even, the average hogman made a profit on only 1.4 pigs. But on the Purina Program 1/3 more pigs were weaned, which means about four times as much profit above the break-even mark.

At the Purina Farm last year the average sow ate 2,070 lbs. of grain and supplement during gestation and lactation. For the Farm's 9.15-pig-litters, each pig was charged with 228 lbs. of the sow's feed. But for the 6.44-pig litters, 322 lbs. of the sow's feed must be charged to each pig. As is readily seen, gestation and lactation costs of the sow are a large part of pig raising expenses. A few extra pigs make a big difference in profit.

1/3 HEAVIER PIGS. Pigs fed according to the Purina Program at the Research Farm averaged 1/3 heavier at weaning, too. The estimated national average weight of 9-week-old pigs in 1950 was only 30 lbs., but at the Farm the Durocs averaged 43.86 lbs.

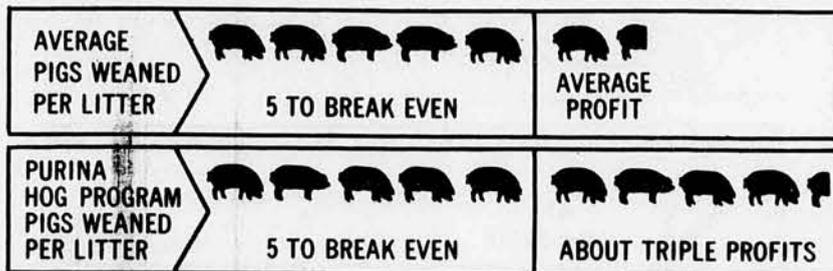
1/3 MORE PORK. On the Purina Program it takes only 45 lbs. of Purina Hog Chow and 5 bushels of grain to make 100 lbs. of gain, but it takes about 12 bushels of corn alone to make 100 lbs. of pork or 40 lbs. of tankage or soybean meal and 7 bushels of corn to make the same gain.



Many farmers following the Purina Hog Program are weaning three more pigs than the national average. That just about triples profits!

1/3 FASTER TO MARKET. By following the Purina Hog Program you should be able to market 200-225 lb. hogs at about 5 1/2 months. It is estimated that it takes the aver-

age farmer 8 or 9 months to raise a 225-lb. hog. Getting hogs to market quicker helps the farmer catch the market at its highest peak. Saves grain and labor, too.



Mix ration right for BIG BEEF GAINS



by BOB SPANGLER
Asst. Manager Purina Research Farm

Young animals convert feed more efficiently than older ones and need a higher protein ration. Whereas older cattle make most economic gains on a ration containing a smaller percentage of supplement. That's why good feeders sort animals according to weight. This way, they can be sure of having just the right amount of Purina Steer Fatena in the ration to aid in palatability and finish and to produce big, low-cost gains.

A group of 75 long yearlings at the Purina Research Farm each gained 2.28 lbs. daily on 18.39 lbs. corn, 2.12 lbs. Steer Fatena and 3.23 lbs. of hay. They were on feed 147 days. Whereas 75 six-month-old calves averaged 1.95 lbs. daily for 308 days on only 12.50 lbs. of corn, 1.89 lbs. of Steer Fatena and 2.47 lbs. of hay.

The important thing then, is to get the right proportion of high quality supplement in the ration. 400 lb. cattle need 1 lb. of Steer Fatena to 4 lbs. of grain, but 600 lb. cattle can use 6 lbs. of grain to 1 lb. of supplement. 800 lb. cattle need only 1 lb. of Steer Fatena to 8 lbs. of grain.

Many Purina dealers offer service of grinding or rolling grain and mixing the proper amount of Steer Fatena with it. Some feeders, however, prefer to scatter the supplement on top of grain already in the feed bunk. At any rate, it's best to grind or roll the home-grown grain.

NEW Low-Cost Feeding Plan

for milkers, dry cows and heifers...

Many of you dairy farmers have been looking for an inexpensive all-purpose ration to keep milk flow up and maintain good cow condition. Purina Bulky Las Chow, mixed with home-grown grain, will fill the bill. This same ration can be fed to heifers and dry cows. Labor is saved since ration for all animals can be mixed and stored at the same time.

A safe and cooling bulky supplement, Bulky Las makes milk by building up the body. Many dairymen say it helps build dry cows and reduces calving troubles.

Bulky Las contains beet pulp, molasses, carbohydrates, and is fortified with minerals often lacking



in grain. Mix 500 lbs. of Bulky Las with 1,500 lbs. of your grain.

If you're feeding for highest possible production, stay with Purina Cow Chow Concentrate. If you want a low-cost supplement that will keep milk flowing and build body condition, drop in and let your Purina dealer tell you more about Bulky Las.

CONDITION YOUR DOG FOR BETTER HUNTING

Crisp cool nights, trees turning color—hunting season is just around the corner. And for a happy combination in the field, you can't beat a boy, his dad and their dog.

Hunting dogs, to do a good all-season job on birds or game, must enter the season in top shape. They should carry plenty of muscle and a reserve of energy-producing hard fat.

Controlled exercise and proper feedings of Purina Dog Chow Kibbled Meal or Dog Chow Checkers will build that needed condition. This conditioning program should be started a month or more before the opening of hunting season.

Owners who live on farms are



Photo Courtesy Olin Industries, Inc.

tempted to allow their dogs to get too much exercise before hunting season. Dogs should be held back enough so they store a reserve of fat. Yet, to harden muscles, they should be worked every day during the last few weeks before hunting season swings into action.



Take your feeding problems to your friendly Purina Dealer

KANSAS

- ABBEVILLE, The Farmers Grain Co., Inc.
- ABILENE, Gordon Mark Elevator Co.
- ADLER, Farmers Coop. Assn.
- ALMA, Schulte Produce
- ANDALE, Andale Farmers Elevator
- ANDOVER, L. S. Dock
- ANTHONY, Thurman Hatchery
- ARGONIA, Bolkin Grain Co.
- ARKANSAS CITY, Arbuckle's Hatchery & Fd. Co.
- ASHLAND, Wallingford Elevator
- ATCHISON, Barry Bros. Hatchery
- ATTICA, Imperial Flour Mills Co.
- AUGUSTA, Furlong Hatchery & Feed
- BALDWIN, Hardy's Hatchery
- BALDWIN, Hunt Farm Supply
- BAXTER SPRINGS, Gaines Feed Store
- BELLE PLAINE, Halls Produce & Feed
- BELLEVILLE, Hall Mill & Elevator
- BELOIT, Jones Feed & Seed Co.
- BLUE MOUND, Mulkey Produce
- BONNER SPRINGS, Bonner Feed & Fuel Co.
- BURLINGTON, Solsby's Feed & Seed Store
- BURNS, Burns Feed Store
- BURTON, Hensley Oil & Feeds
- CANEY, Halligan Feed & Produce
- CANTON, Canton Grain Co.
- CARBONDALE, Surber Grain Co.
- CEDARVALE, L. C. Adam Mercantile Co.
- CHANUTE, Farm Service Store
- CHENEY, Ball Produce & Hatchery
- CHERRYVALE, Cherryvale Grain Co.
- CHETOPA, Karns Grain Products Co.
- CLAY CENTER, Gordon Mark Elevator
- CLEARWATER, Hugh R. Wilk
- CLYDE, Derussau's Hatchery
- COFFEYVILLE, C. C. Feeders Supply
- COLBY, Thomas County Grain Co.
- COLDWATER, Wallingford Grain Corp.
- COLUMBUS, Columbus Hatchery
- COLWICH, Andale Farmers Elevator
- CONWAY SPRINGS, Farmers Union Coop. Assn.
- COTTONWOOD FALLS, Schoep Poultry & Egg Co.
- COUNCIL GROVE, Scholes Feed Store
- DELEVAN, Farmers Grain & Supply Co.
- DENISON, Farmers Elevator
- DESOTO, Goodrum Grain Co.
- DODGE CITY, Casterline Grain & Seed, Inc.
- DWIGHT, Dwight Feed Co.
- EDGERTON, Edgerton Grain Co.
- EDNA, Edna Produce
- EL DORADO, The Home Grain Co., Inc.
- ELK FALLS, O & B Oil Co.
- ELKHART, Elkhart Coop. Equity Exchange
- ELLIS, The Wheatland Elevator
- EMPORIA, Peak Feed & Seed Co.
- ESBON, Eason Feed & Seed Co.
- ESKRIDGE, Converse Farm Service Co.
- EURYKA, C. T. Agrellius Feed Co.
- FONTANA, Barnes Feed & Seed Store
- FORD, Security Elevator Co.
- FT. SCOTT, Chas. Leist Feed & Seed Co.
- FREDONIA, Cox Produce & Grain Co.
- GARDEN CITY, Western Terminal
- GARDNER, Gardner Grain Co.
- GARLAND, Pfeiffer Produce
- GARNETT, A. H. Fawkes & Sons
- GAS CITY, Goodsell Hatchery
- GIRARD, Potter's Hatchery
- GOODLAND, Terminal Grain Co.
- GREAT BEND, Barton County Hatchery
- GREELEY, Rommelfanger Produce
- GREENSBURG, Security Elevator Co.
- GRENOLE, Gwinup's Produce
- HALSTEAD, Farmers Coop. Grain & Merc. Co.
- HAMMOND, Bruce General Mdse.
- HARTFORD, The Kansas Soya Products Co., Inc.
- HARPER, The Imperial Flour Mills Co.
- HARVEYVILLE, Harveyville Grange Coop. Business Association
- HAYS, Engel Hatchery
- HAYSVILLE, Haysville Elevator & Supply Co.

FIND YOUR PURINA DEALER LISTED HERE

PIGS IN PORK-GROWING RACE AT PURINA STORES

Purina Mike and Puny Ike are at the half-way mark in a pork growing contest being held in many of the stores listed below. Mike gets Purina, Ike gets none! The score on their progress is posted... drop into your Purina dealer's and see what a big difference a little Purina will make!

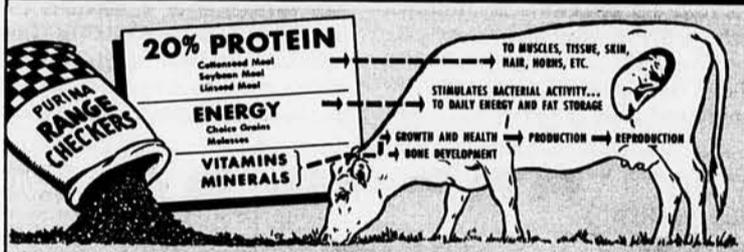


- HERINGTON, Wilkerson Grain Co.
- HIAWATHA, Wolf Feed & Grain Co.
- HIGHLAND, Moore Farm Supply
- HILLSDALE, Fessenden Grain Co.
- HOLTON, Farmers Union Coop. Assn.
- HOPE, The Farmers Coop. Elev. & Sup. Co.
- HUGOTON, Security Elevator Co.
- HUMBOLDT, Humboldt Coop. Assn.
- HUTCHINSON, Berry's Hatchery & Feed Store
- HUTCHINSON, Orth's Feed & Seed Co.
- HUTCHINSON, Salt City Hatchery
- HUTCHINSON, Security Elevator Co. B.
- INDEPENDENCE, Star Mill Co., Inc.
- IOLA, Allen County Feed & Prod.
- IONIA, Ionia Produce
- JUNCTION CITY, Hart Bartlett Sturtevant Gr. Co.
- KANSAS CITY, Brougham Feed Co.
- KANSAS CITY, Crawford Hatcheries
- KANSAS CITY, Dyer & Co.
- KANSAS CITY, Kelley Feed Store
- KANSAS CITY, Midwest Hatchery
- KANSAS CITY, State Ave. Merc. Farm Store
- KANSAS CITY, Frank Wells Feed Store
- KANSAS CITY, KANS., Busch's Feed Store
- KANSAS CITY, KANS., Precht's Feed & Seed, 740 Kansas Ave.
- KANSAS CITY, KANS., Rockhill Market, 4710 Metropolitan
- KENSINGTON, Levin Bros.
- KINCAID, Dunlap Produce
- KINGMAN, Goenner Hatchery
- KIOWA, OK Coop. Grain & Mercantile Co.
- LA CROSSE, Farmer's Union Coop. Merc. & Elev. Co.
- LA CYGNE, Farmers Produce
- LANE, Gerhus Breeder Hatchery
- LATHAM, Snyder Produce
- LAWRENCE, Caldwell Hatchery
- LAWRENCE, Douglas County Hatchery
- LEAVENWORTH, Hibbs Farm Service
- LEBO, Lebo Grain Co., Inc.
- LENEXA, Jennings Feed & Coal Co.
- LEOTI, Herb J. Barr & Sons Grain & Supply Co.
- LIBERAL, Security Elevator Co.
- LITTLE RIVER, Thompson Produce, Inc.
- LOGAN, The Logan Grain Co.
- LOUISBURG, Owens Feed & Produce
- LYONS, Lyons Independent Produce

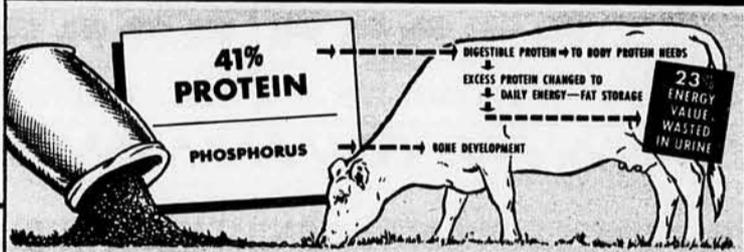
- LYONS, W. S. Dayton Hatchery
- MAIZE, Maize Mills, Inc.
- MANHATTAN, Johnson Feed & Seed
- MANKATO, Levin Bros.
- MARION, Seymour Packing Co.
- MARQUETTE, Rodney Milling Co.
- MARYSVILLE, Muchow-Richter Impl. Co., Inc.
- MAYETTA, Farmers Union Coop. Assn.
- McLOUTH, McLoth Grain Co.
- McPHERSON, Community Feed & Seed
- MERRIAM, Merriam Feed Store
- MERRIAM, Leland Wilson Hatchery
- MICHIGAN VALLEY, Bulmer Grain Co.
- MINNEAPOLIS, Golden Rule Hatchery
- MINNEOLA, Minneola Coop. Exchange
- MONTEZUMA, Security Elevator Co.
- MONUMENT, Wheatland Elevator
- MORAN, Benbrook Produce
- MORSE, Morse Grain Co.
- MOUND CITY, Ward Produce
- MOUNDRIE, Moundrie Coop. Elev. Assn.
- MT. HOPE, Independent Produce
- MULVANE, Moore Grain Co.
- MUNCIE, J. E. Puett
- NEODESHA, Shacklett Hatchery & Feed
- NEWTON, Berry's Feed & Supply Store
- NICKERSON, Farmers Coop. Elevator Co.
- NORTON, N. L. Johnson Grain Co.
- NORWICH, Goenner Hatchery
- OAKLEY, Wheatland Elevator
- OBERLIN, Earl C. Wilson & Sons
- OLATHE, Farmers Coop. Union
- OSAGE CITY, Lafferty Grain & Produce Co.
- OSAGE CITY, Steinhoff & Son
- OSAWATOMIE, Osawatome Feed & Produce Co.
- OSBORNE, L. M. Newman
- OSKALOOSA, Oskaloosa Feed Store
- OSWEGO, Karns Grain Products Co.
- OTTAWA, Ottawa Produce Co.
- OVERLAND PARK, Jennings Feed & Coal
- PAOLA, Washburn Hatchery
- PARKER, Lockhart Station
- PEABODY, Peabody Coop. Equity Exchange
- PECK, Moore Grain, Inc.
- PENALOSA, E. W. Tarrant
- PERRY, Heck & Seyler
- PIQUA, Niemann's Store

- PITTSBURG, The Potter Hatcheries
- PLEASANTON, Pleasanton Mill & Elevator Co.
- PORTIS, Walter's Lumber Co.
- PRATT, Pratt Equity Exchange
- PRESBURY, Singleon Products
- PRETTY PRAIRIE, Security Elev. Co.
- PROTECTION, Park Hatchery
- RICHMOND, Farmers Home Coop. Merc. Society
- SABETHA, Sabetha Coop. Produce Co.
- SAFFORDVILLE, North Grain Co.
- ST. FRANCIS, Roylston & Son
- ST. MARYS, Farmers Union Coop. Assn.
- SALINA, McMinn & Tanner Feed & Produce
- SALVANA, Savannah Feed Store
- SCOTT CITY, Durrant Seed & Supply
- SEDAN, Sedan Seed House
- SEDGWICK, Behymers-Sedgwick Hatchery
- SEVERY, Arnold & Coombs & Son
- SHARON, The Imperial Flour Mills Co.
- SHAWNEE, Shawnee Hatchery
- STAFFORD, Stafford Hatchery
- STANLEY, Boyd & Maelzel
- STERLING, Farmers Coop. Union
- STILWELL, Stillwell Feed & Coal
- STOCKTON, Bouchey Grain Co.
- SUMMERFIELD, Muchow-Richter
- SYLVIA, Sylvia Coop. Assn.
- THAYER, Potter Lock and Feed Store
- TONGANOXIE, Trooper's Feed Store
- TOPEKA, Emery T. Shimer Feeds & Seeds
- TOPEKA, J. R. Shimer
- TRIBUNE, Tribune Grain Co.
- TROY, Winzer Hdwe.
- TURON, Turon Hatchery
- VALLEY CENTER, Valley Center Farmers Elevator Co.
- VALLEY FALLS, Reichart Elevator
- VIRGIL, Virgil Feed & Coal
- WAKEENEY, The Wheatland Elevator
- WATERVILLE, Wagon Produce
- WATHENA, Wathena Hatchery
- WAVERLY, J. R. Baxter Produce
- WELLINGTON, Newell's Feed Store
- WELLSVILLE, Avarill Produce
- WHITE CITY, White City Grain Co.
- WHITEWATER, Whitewater Hatchery
- WICHITA, C. Ball Feed Co.
- WICHITA, Hillside Feed & Seed Store
- WICHITA, Berry's Hatchery & Feed Store
- WICHITA, Kellogg Brothers Feed & Seed
- WICHITA, Maxwell Feed & Hatchery
- WILLIAMSBURG, Williamsburg Produce
- WILSEY, F. S. Riegel
- WINFIELD, Wallace Feed Store
- WINONA, Wheatland Elevator
- WOODBINE, Reed's Store
- YATES CENTER, Yates Center Elevator Co.
- ZARAH, Zarah Grain & Elev.
- ZENDA, The Goenner Hatchery
- ZENITH, The Zenith Cooperative Grain Co.

BETTER USE OF PROTEIN WHEN FED AT RIGHT LEVEL



23% OF ENERGY VALUE WASTED IN EXCESS PROTEIN



Range cows fed excessive amounts of protein according to normal practices aren't making complete use of this costly protein. Some of it can be converted to energy, but about 23% of its energy value goes unburned and wasted in the urine.

AROUND THE CHECKERBOARD DIAL

What's the cattle market today? How are hogs going? Folks in southern and central Kansas get the latest up-to-the-minute markets reported by Bruce Behymer on radio station KFH, every day at 12:45. On Monday, Wednesday and Friday the host for Mr. Behymer's market review is your Purina Dealer.

Throughout Kansas, Purina Dealers combine farm service and information programs and entertainment on some of your favorite radio stations. On WIBW, Topeka, your Purina neighbor brings you Wes Seyler with the markets every day at 12:20 p.m. On KXXX, Colby, Ed Mason is your Purina Market reporter, heard every day, Monday through Friday, at 12:45.

For entertainment, the folks in Southeastern Kansas listen to Jimmie Goodman on KIND, Independence, at 12:45 p.m.



Bruce Behymer

CALAMITY CAL...

by ed smyth & bill sims...

Marketing Viewpoint

LEONARD W. SCHRUBEN, Feed Grains
LARRY D. ERLEWINE, Livestock

I have 3,000 bushels of wheat in storage. Is there a chance of wheat being a higher price in another year? If so would you advise holding it until later?

I am sure you realize the situation of each individual must be taken into account in giving answers to your questions. With this in mind we turn to the questions:

1. Is there a chance of wheat being a higher price in another year? The 1953 wheat crop will be supported at a price no less than the 1952 crop. Since everyone who raises wheat is eligible to participate in the price-support program, we could expect wheat prices to be no lower next year than this. On the other hand, the U. S. currently has the second-largest stocks of wheat on record. On top of this, the export situation does not look favorable as compared with some recent years. This means we are likely to have quite large supplies of wheat on hand beginning with the next crop year.

Wheat prices next year, no doubt, will reflect the drouth conditions. Should extremely dry weather continue for several more months, we will probably see wheat prices substantially above support levels by the middle of January. To summarize, I do not think prices of wheat will be much lower next year than this, and they could be quite a bit higher.

2. If so, would you advise holding it (wheat) until later? It depends upon your own personal situation, your ability to store wheat and maintain its quality as a food grain. Also, it depends somewhat on your ability to finance the storage of 3,000 bushels of wheat. Strictly from a price standpoint, I think you will probably get more for wheat 3 or 4 months from now than you will be able to at present.

I have 50 head of 600-pound yearlings. With ample feed on hand, would it be better for me to feed them this winter and sell next spring or use a deferred-feeding plan and sell next fall?—L. G.

It is difficult to make specific recommendations because of unpredictable weather conditions and the farm labor situation. However, assuming normal precipitation this winter and next spring probably your best alternative would be the deferred-feeding plan. This would include wintering the cattle, pasturing for about 60 days and giving them a short feed of 90 to 100 days.

Gives Three Reasons

This plan appears the most promising for 3 reasons. First, fat-cattle prices are likely to be lower this coming spring than they were a year ago. The USDA 3-state (Illinois, Iowa, and Nebraska) feeding report shows 14 per cent more cattle on feed on October 1, 1952, as compared to the same time in 1951. This probably means increased marketings this coming March thru June and consequently, additional pressure on prices.

Secondly, fall prices, 1953, for top grades of slaughter stock may be somewhat higher than 1953 spring prices, but perhaps weaker than prices this fall. This is anticipated in view of the expected 3.5 million head increase in cattle numbers during 1952.

The third reason for saying the deferred-feeding plan may be the best alternative is that probably less high-priced grain would be consumed than if the animals were fed for the spring market.

I would recommend that if these feeders are both steers and heifers the heifers be separated and put on feed when the steers are going to pasture. This prevents heifers from becoming "cowy." This means the heifers would be marketed by the latter part of June or early July.



LLOYD BURLINGHAM'S

SKELLY FARM NEWS

The Golden Age for Agriculture...

Drawing to a close is the eleventh consecutive harvest season in which America is blessed with abundant food productions. Eleven years, without a bad one!

Economists at Cornell University term our long period of great farm yields "the golden age for agriculture." They remind us that no other people anywhere at any time have ever been

so fortunate. What makes a golden age for food producers?

Cornell says all of these favorable factors, in combination: moderately rising farm prices, farm property values moving upward and with a moderate debt total, increasing production per unit of human labor and greater crop yields per acre each year. Bountiful have been our blessings.

That's what it takes and, generally, that's what we've had in agriculture for one more than a decade of years.

Each springtime we wish for yet another more than commonly generous year; each harvest time we lift grateful hearts to Providence for the privilege which is ours to be present, to have a part, in the golden age of American agriculture.

COLORADO FARMER FINDS SKELLY PRODUCTS BEST

Just seventeen miles from Denver, Colorado, near Arvada and in the shadows of great Pikes Peak one can see golden wheat land spreading from the base of the Rockies eastward toward the plains of Kansas.

Fifteen hundred acres of this colorful land is farmed by Mr. Ray Ramstetter and his family. The Ramstetter family consists of Mrs. Ramstetter, Ray and three sons, ages six, eight and twenty. The oldest boy is now serving in the Marine Corps. Although eleven hundred seventy-five of the fifteen hundred acres of the Ramstetter farm is rotated wheat land, their farming is somewhat diversified. Twenty-five acres in corn aids in the feeding of the Ramstetter's herd of seventy Hereford cattle. Three hundred acres is allotted to these cattle.

Two diesel tractors, one gasoline trac-



Ray Ramstetter and Skelly Tank Man Dorsey Chaffin discuss the fine points of good lubrication.

tor, two trucks, two cars and over seventeen pieces of machinery are used in operating this outstanding farm. "I have found that Skelly products are the finest I can use so I use only Skelly products on my farm," says Mr. Ray Ramstetter. Skelly oils and greases are used as lubricants for all the Ramstetter's machinery

and automotive equipment.

"I have always been very satisfied with the service received from Skelly Supreme and Tagolene oils and greases and appreciate the service given me by Skelly Tank Man Dorsey Chaffin," says Mr. Ray Ramstetter of Route 1, Arvada, Colorado.



Be Ready to Roll in Any Weather!

Winterize NOW with SKELLY

Will falling temperatures make your car "fall down" on you? Not when you get the all-around cold-weather car protection your nearby Skelly Oil Dealer offers right now! See him now for all these vital services:

Oil Change to quick-starting new Skelly Supreme Motor Oil.

Chassis Lubrication—genuine Skelly Grease-Master.

Radiator Check and add anti-freeze.

Battery Test to avoid cold-weather failure.

Growing Beef at the Cost of Peanuts!

Recent tests indicate that feeding peanut hulls for roughage to cattle can be more resultful than prairie hay.

In the test, a dozen steers that were fed peanut hulls gained an average of 1.99 lbs. per day. In comparison a like number of steers fed prairie hay averaged 1.96 lbs. per day. Grain rations for both groups were identical. Test ran 140 days, with an average weight of 757 lbs. per steer.

Peanut hulls were bought from a local shelling plant for \$15 per ton, then run through a 3/8" screen.



HINTS for House and Garden

● To make cooking crumbs quickly, put crackers or cookies into slide-fastened plastic bag. Zip shut and roll.

● In cutting biscuits—save time by using an ice cube tray divider. Press down on dough, cut all at one time.

● New dust pan? Wax it before using. Dust and dirt will slide on and off much more easily.

● Turn meat with tongs—not a fork. Avoid puncturing meat and losing flavorful juices.

WHAT HAPPENED TODAY?

Keep up to the minute on world and national news by listening to Alex Dreier and Skelly's First Network News Analysis

of the Day—7:00 a.m. over your local NBC station. Saturday mornings, hear Lloyd Burlingham. Same time, stations.

SKELLY TANK MAN Dorsey Chaffin says:



"When it comes to protecting your investment in your family car and your motorized farm equipment, there's nothing better than Money-Back Guaranteed Skelly Lubricants.

"With freezing and sub-freezing temperatures in the offing, it's wise economy to change to Skelly Supreme Motor Oil for the family car, and Skelly Fortified Tagolene Heavy-Duty Motor Oil for trucks, tractors and other vital farm engines. And don't overlook the importance of protecting all bearings of your farm machinery with Skelly Tagolene Long-Life Greases. SWITCH TO SKELLY AND SAVE now!"

SKELLYLAND'S FAVORITE RECIPES

CANADIAN CHEESE SOUP

1 onion chopped	2 tablespoons flour
2 stalks celery chopped	2 cups water with
1 medium-sized carrot sliced	2 bouillon cubes
1/2 green pepper chopped	or
2 tablespoons butter	2 cups meat stock
salt and pepper	1 quart milk
	6 oz. cheddar cheese shredded

Cook chopped vegetables in butter for about 5 minutes. Stir in flour. Add water and bouillon cubes (or meat stock). Simmer 15 minutes or until vegetables are tender. Add milk and heat almost to boiling point. Remove from fire, add the shredded cheese and stir until melted. Season to taste.

Submitted by: Mrs. Willard Parks Peyton, Colorado



Win \$500

Your favorite recipe may win you \$5 if it's published here. Print your name and address on your favorite recipe and send it now to Department KF-1152. Please keep a copy as none can be returned.

See or call your Skelly Tank Man Today!



SKELLY OIL COMPANY

P. O. BOX 436, KANSAS CITY, MISSOURI



1. Fold Down Windshield
2. Adjustable Side Wings
3. Adjustable Motor Panel
4. Removable Motor Panel
5. Custom Fit To Your Tractor
6. More Sturdily Built
7. Low Cost Replacement Parts
8. Full Accessory Line—Windshield Extensions, Back Panel and Cab Top optional at small extra cost.

Keep warm on your tractor during these cold months with the finest tractor heater ever built. The **COMFORT** Heater is the only heater that gives you *All 8 Features*, instead of just one or two. Before you buy compare quality, fit, and appearance *all 8 ways*. If you want all that's coming to you in a tractor heater—you'll select The **COMFORT** Heater.

Most Dealers Have **COMFORT** Heaters Custom Fit To Your Model Tractor
 Ask Your Dealer or Write Manufacturer For Details
COMFORT EQUIPMENT CO., 2609 P Walnut, Kansas City, Mo.

Join Your 1953 County Farm Bureau

Work with 64,700 Kansas farm families in 105 Kansas county Farm Bureaus sponsoring a program dedicated not only to the welfare of agriculture, but also to the preservation of a sound economy in our state and nation. Contact your county Farm Bureau office now!

Capper Foundation Seals Feature Berkshire Hills



Again the Christmas seals put out by The Capper Foundation for Crippled Children show a winter landscape. This year the scene is near Berkshire, Massachusetts, and includes the home of the artist, Leo Blake. The seals are attractively presented in four colors. These bits of brightness will add interest to your Christmas mail.

"Berkshire Hills" by Leo Blake

There's a sheet of Christmas seals being sent to each person who contributed to the crippled children fund

last year. If your name was not on last year's list, fill in and return the coupon below at once, and you too will get a sheet of 100 seals.

The Capper Foundation for Crippled Children
 8th & Jackson Streets, Topeka, Kansas

Dear Sir:
 Please send me a sheet of 100, 1952 Christmas seals. I am interested in the work the Capper Foundation is doing for crippled children.

Name.....
 Address.....

Nation-wide Landslide Size Vote Gives Eisenhower a Big Job to Do

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

NEXT JANUARY 20, Kansas-bred Dwight D. Eisenhower, 5-star general, 5-state citizen (born in Texas, reared in Kansas, married in Colorado, voting residence New York, landowner in Pennsylvania), President-elect, in Washington will ride with President Harry S. Truman to the Capitol. There he will take the oath of office as President of the United States, ride in the inaugural parade to the White House with ex-President Truman. The United States will have its first Republican President in 20 years. And a Democrat ex-President.

Several hundred thousand will watch the colorful parade; millions will see the inauguration ceremonies and parades on television. Incidentally, the millions who watch TV screens will see and hear far more than the thousands who line Constitution and Pennsylvania avenues, whether these stand at the curbs or pay exorbitant prices for window seats in adjacent buildings or in temporary reviewing stands along the route.

The 30 million Americans who voted "Ike" into the White House with the largest popular vote and one of the biggest electoral votes ever, elected him as the "Ike I like" rather than as the Republican nominee. Republicans, Democrats, Independents; in the North, the South, along the Atlantic and Pacific coasts, in the mountain states and in the Great Plains, showered ballots for the popular general—the first professional soldier elevated to the Presidency since General Ulysses S. Grant following the Civil War.

Twenty years ago the late Franklin D. Roosevelt was swept into power by a sullenly fearful people, frightened by the Great Depression, looking for a broad shoulder on which to lean, weep and be comforted, cheered. This year a violently resentful people, in revolt against "Trumanism," Korea, high taxes—but hoping to keep high prices and wages on the receiving end from inflation, and gain lower prices and lower taxes on the paying end—flocked to the polls to vote for the leader, Eisenhower, rather than the GOP nominee, Eisenhower.

A look at the complexion of the next Congress seems to bear out this analysis. Eisenhower carried three dozen states or more of the 48. But where the 1932 revolt gave FDR huge majorities in both Senate and House, and a subservient Congress that bowed to his slightest whim during his first term and into his second, the voters of 1952 elected a Congress in which the victorious Republicans cannot be really certain of party control in either House or Senate until after the organization is completed.

By the unofficial count, the Republicans in the Senate number 49, by including the dubious Wayne Morse of Oregon, as against 47 Democrats, including the "rebellious" Pierce Daniel of Texas. And a fatal air crash, auto crash, or train wreck before January 3, 1953, could wipe out the slender Republican majority of less than a half-dozen in the House.

"Ike" won a decisive victory; the Republican Party in Congress barely an inconclusive decision.

In the situation as it appears today, it would be entirely possible—albeit highly improbable—that Democrat Vice-President Alben Barkley (as

President of the Senate) could cast a deciding vote in the Senate in early January and give the Democrats the Senate committee chairmanships. And then in late January Vice-President Richard M. Nixon, following his taking the oath January 20, would cast a deciding vote on a reorganization that would give the committee chairmanships to Republican senators.

Then there is another theoretical possibility—also an improbability—that the Taft-Byrd groups in the Senate would reach an agreement and divide the chairmanships about equally between Republican and Democrat senators. Similarly for the working coalition of conservative Republicans and conservative Democrats in the House.

But what likely will happen is that both Senate and House will be organized along party lines. Then after the organizing, the coalitions in Senate and House that blocked much Truman-recommended legislation in the last 3 Congresses will function again. Such a coalition would be of inestimable value to President Eisenhower in getting thru such of his legislation as the conservative coalition approved—and contra-wise, could if desired block proposed legislation not approved by the conservatives in the coalition. The latter possibility might happen "after the honeymoon" if President Eisenhower should go the limit in recommendations on labor, civil rights, social legislation. General Eisenhower generally is assumed to lean toward conservatism, but some of his close advisers are classed very much as 20th Century Liberals.

And sooner or later—probably later—the Pentagon expects to be the inner circle, or at least in it.

So far as groups are concerned, in the November election farmers fared better politically than did Labor leaders. Governor Adlai Stevenson of Illinois, defeated Democrat candidate, had promised repeal of the Taft-Hartley Act if he and his party were successful. The understanding is that such amendments to Taft-Hartley as are recommended by the Eisenhower administration will be those agreed upon by the President and Senator Robert A. Taft of Ohio.

On the other hand, in his farm speech at Kasson, Minn., Candidate Eisenhower virtually promised that the present farm program, with improvements considered desirable by farmers, will be continued under his administration.

Economically, the farmers are expected to share largely with the rest of the folks in the ups and downs of the future—with this important reservation: The present levels of price supports of basic farm commodities are to be continued. And ways will be explored to extend some kind of supports for other farm commodities, to the end that farmers will get parity income, to the extent that Government can insure that. That for the immediate future.

With increasing dependence of farmers upon Government for sustaining income, the fact that proportion of rural population grows steadily smaller, that of the non-farm population steadily larger, and more insistent upon government taking measures to hold food prices down, promises prob-

(Continued on Page 27)

COMING, NEXT ISSUE . . .

Farm shops often prove to be the most valuable buildings on our farms. In the next issue of **Kansas Farmer**, December 6, 1952, we will report to you how several farmers in Kansas have made outstanding contributions to their farming equipment thru use of their farm shops.

Items for the future affecting all of us.

Wayne Darrow (Washington Farm-letter) sees the next administration facing 4 main alternatives:

1. Let the wrangle over price supports continue until emergency forces action.
2. Formulate a program to stabilize most, if not all, farm prices at high levels thru some self-financing plan—some other way than paying the cost out of annual Treasury appropriations, as now.
3. Establish "stop-loss" price floors, or let flexible scale of price supports operate—"rescue" farmers when they are partly broke.
4. Combination of (2) and (3). Government guarantee minimums as disaster prevention. Some self-financing, such as price insurance with farmers paying premiums, to insure a high, stable price level.

"That's the price support political score at election eve," Barrow opines. "The 4-year turn in political cycle is here again. Last turn brought on the Brannan Plan, spurned by Congress in favor of the modified Aiken-Anderson Plan, which pleases nobody. Farmers now have one to two years to make hay. Failing, present supports will last until hard times—or next election."

For the benefit of Republicans enjoying the prospect of thousands of bureaucrats in one hurried exodus from Washington, don't be too sanguine—or too sanguinary—about the exodus.

Actually, in the Executive departments, there will be comparatively few changes below the top heads. In agriculture, Secretary Charles Brannan, of course, will be replaced. The new secretary will bring in his own personal staff. Ditto an undersecretary, 2 assistant secretaries, and their staffs. Heads of "action agencies" linked into the department will fall. Various boards and corporation officers operating under the secretary will see their members replaced with new faces. But the great bulk of federal employees are under Civil Service. And the number of these will not be decreased noticeably as long as present foreign policies and domestic spending programs are continued. And changing those, except enlarging their scope, will not be an overnight job.

No Toll Road

I read in *Kansas Farmer* where some wanted a toll road across Kansas. I would say no as it would cost too much for what good Kansas would get out of it. Why not widen and black-top as they have 59 north of Ottawa, 40 north of Lawrence to Tonganoxie and 10 east of De Soto to Kansas City?

We just got back from a 7,000-mile trip to the Black Hills, S. D., and on to Portland, Ore., over 20 and 99 and 101 to Los Angeles, on 66 to Tulsa, Okla., on 169-59 in home.

Sorry to say Kansas has narrow, rough roads. Highway 75 north of Topeka has some bad, sharp corners.

I have not driven on North 50 clear across Kansas, but what I have seen is pretty good.—Earl H. White, Douglas Co.

Goes To Iran

A Kansas State College graduate, with master's degree in agricultural economics, is in Iran under the Point 4 Program to aid in agricultural programs of that country. He is Harold C. Larsen.

Marketing Tips

"Marketing Feeder Cattle and Sheep" is a new regional bulletin of agricultural colleges in 13 North Central states. It gives you many tips on markets, transportation, selling. For a free copy, write Farm Service Editor, *Kansas Farmer*, Topeka, Kan. Ask for Regional Publication No. 25.

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FLORENCE MCKINNEY, Editor



HOLDING GOBLET (at left) in Roman rosette pattern, Mrs. John Berry displays a few items in her fine collection. Center front are 4 in paneled grape.

She Has Fun in Collecting And Pride in Ownership

PART of the joy is in the chase," says Mrs. John Berry, a farm homemaker who lives between Waterville and Blue Rapids in Marshall county. In recounting some of her experiences in collecting antique glass she adds, "I like to get a set of 2 or 4 or even more of the same pattern. That makes them useful for setting a table."

Some years ago, she attended a club meeting in Marysville and on the program was a speaker who talked about old pressed glass, the fun of collecting and the pride in ownership. She displayed some examples of choice patterns and among them Mrs. Berry noted several exactly like ones given her by her husband's mother. Seeing the opportunity to recruit another antique enthusiast, this speaker said, "Why don't you go scouting around and complete the set?" That began the chase and Mrs. Berry says every minute of it has been a pleasure. She treasures every piece.

She began attending farm sales in Marshall county and buying old glass toothpick holders, mostly in the more common daisy and button pattern. "This is what we brought with us," was the usual expression concerning old glass and china for sale. Doubtless much of Mrs. Berry's large and valuable collection was brought by early pioneers in covered wagons.

Strange are the ways a collector may come by some choice item. At one time, she was asked to be auctioneer at a white elephant sale. She was handed an item to offer to the highest

bidder which turned out to be not a white elephant at all, but one of the rather rare paneled grape goblets. She took one look, bid on it herself and got it. No competition! This completed her set of 4 and like any serious collector was "tickled pink" with her purchase.

After getting a sizable collection of toothpick holders, possibly 4 dozen, she became interested in salts; master salts and individual salts. As any pressed glass enthusiast knows, these were made and used before the days of the modern salt shaker. Master salts were placed, one at each end of the table, individual salts which are smaller, before each plate. Tiny salt spoons were used for spreading purposes. Today, she has 15 master salts, some choice ones more than a hundred years old.

Her goblet collection is outstanding, not only



COVERED COMPOTES, (above) upper, diamond crossbar; middle, Westward Ho and lower, wedding ring patterns.

because she has collected 78 of them, but because the collection includes a good many uncommon patterns, the paneled grape, the forget-me-not, nail head, fine cut and panel, the Roman rosette and many others.

Like every serious [Continued on Page 20]

MUCH DESIRED (at right) by collectors is milk white glass. Over the years, Mrs. Berry has found these covered dishes, some with unusual and rare covers.



Fun in Collecting

(Continued from Page 28)



ATTRACTIVE PATTERN in 19th century pressed glass in beaded grape. Included here are celery dish, spoon holder, butter dish, sugar bowl and fruit dishes.

collector, she refers frequently to the "bible," otherwise known as Ruth Webb Lee's Handbook on early American pressed glass patterns. Quickly, old pieces are identified and classified. Some patterns have variations and Mrs. Berry is quick to note them, also.

She owns a number of valuable compotes, one called wedding anniversary, one in diamond crossbar and perhaps the most valuable, Westward Ho. The latter depicts the settlement of our country, with a kneeling Indian on the cover, on the compote itself a covered wagon, a trail, and pioneer's cabin.

She has collected a good many white milk glass covered dishes, some usual ones called "hen on a nest," and some unusual ones, a horse, a dolphin and a turkey on a nest.

Highly prized is a small collection of European glass given her by an old friend Mrs. E. R. Morgan, formerly of Blue Rapids, but who now lives in London.

On the whole her large and varied collections were picked up in Marshall county. As Kansas counties go, Marshall was settled early, settlers arriving about 1856 to 1860. Kansas as a whole has been a happy hunting ground for glass collectors, but no longer is it as plentiful and seldom can one find an old-time bargain. Most of it is now in the hands of collectors who like it for its historic interest. But here and there, Mrs. Berry finds just the piece she is seeking and today her interest is as great as the first day she ran onto her first treasure.

parents, he needs his mother's love, interest and companionship. Perhaps his mother can arrange to spend more time with him when she is home, and reassure him of her love and interest by taking him on excursions, shopping with her and allowing him to feel wanted, needed, and important to her by sharing her duties and free hours at home.

A boy needs to feel he has an interested father "like all the other boys" have. A father who is a railroad man is a ready-made hero to a boy of seven. Perhaps your son could be persuaded to take his little boy on a short train trip, or to a roundhouse, or to watch section men at work. Since he will have a pass, perhaps he could take a popular playmate, too. One whom his son admires, idealizes and perhaps envies. Then both boys can brag about their experiences.

Gift Will Help

If his father would mail him a present, perhaps a flashlight, a tool used in the railroad profession, to take to bed with him, that might relieve the loneliness all humans feel when alone at night. Many children, especially at the ages 3 and 7, hate to go to bed, fear the dark, and often have night terrors. The joy in the flashlight may prevent the bedtime habit spasms.

Those friends who have advised you not to notice your grandson's habit spasms are giving sound advice. A child feels unspoken as well as spoken worry and disapproval. Assure yourself that he will outgrow these tics at home as well as at school, if you do not worry about the symptoms and plan a program to overcome them. You have very wisely suggested "something interesting and constructive to do at these periods."

Keep his hours at home as filled with interesting and challenging materials and activities as they are at school. The greater his satisfactions, outlets and accomplishments the less need he will feel to have his bottled-up irritations, loneliness and insecurity backfire in body spasms.

Time, patience and love perform wonders with a little boy.

Tips for You

"Freezer Storage of Foods" is a Kansas State College Extension bulletin which gives many tips on this important job. For your free copy, write Foods Editor, *Kansas Farmer*, Topeka, Kan.

Tradition

The turkey's roasting in the oven,
Pumpkin pies cooling on the shelf,
Nuts and candied apples,
Bid you help yourself.
Sweet potatoes baking
In sirup, thick and sweet,
Vegetables and salads,
Offer you a treat.
There's talk among the grownups,
Children shout and play,
Thus the farmer and his family,
Keep Thanksgiving Day.

—Mrs. George Wiggans.

Christmas Lights

Time now to order Christmas programs. These leaflets may interest the whole family and community:

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MOM'S MEMOS



by
Mona Martin

These are really exciting times, so many new things on the market and so many new ways to do old things, each making life more pleasant for all of us.

Why, this modern age certainly makes things easier for us all. Take pie making. I used to spend hours cooking and stirring to get those pie fillings just right. But that was before I discovered **JELL-O PUDDINGS AND PIE FILLINGS!** Why, in minutes I turn out creamy good pies that beat any I made the old-fashioned way. The directions are so simple, even the youngsters can become "baker." Just add milk to **Jell-O Puddings and Pie Fillings**, cook for about 5 minutes, then cool and pour into your pie shell.



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What to Do About . . .

HABIT SPASMS IN YOUR CHILD

A CERTAIN MIDWEST reader sends us the following symptoms of her little grandson.

Dear Mrs. Davis: I have a 7-year-old grandson who lives with us because his mother is working and his father works on the railroad. When he was quite small, about 18 months old, he began putting the backs of his hands against his cheeks and pushing very hard. Sometimes he keeps this up for hours. Also, he grips his hands into a tight fist and forces them backwards and draws his face into unnatural poses. Sometimes his arms jerk upward when he first goes to bed, especially if he is tired.

He eats well, sleeps well and is a nice-looking, well-behaved boy. We do not scold him and try not to notice these symptoms. His teacher reports he does not show these symptoms at school.

Mrs. Marion Quinlan Davis answers this reader as follows:

Habit spasms or tics are frequently found in children. They may take the form of nose picking, nail-biting, head-twitching, eye-twitching, facial grimaces, masturbation, ear-pulling, hair-twisting, sniffing, shoulder-shrugging, knuckle-cracking, throat-clearing, or wiping the eyes. Many adults have similar habit spasms. A definite worry may start the habit and it is more frequent under tension.

You write that your little grandson began his habit spasms at 18 months, which makes them of 7 years duration and that they assume 4 separate types of manifestations. Did his mother start working about the time his habit spasms began?

Since your grandson does not feel the need to indulge in these symptoms at school it is safe to surmise his home situation needs to be studied in order

to learn what emotional needs of childhood are not being met.

The basic need of a child is that he feel supremely important to one man and woman—his parents—and sure of their interest, discipline, and affection. He needs to feel wanted. In your grandson's case, his father is away and his mother works, so you are acting in place of his mother. The fact that she comes home after work, however, makes for divided authority. Are you and his mother in agreement as to the care and handling of your little boy? Is there any resentment expressed, or even felt, because of the father's absence?

Stress is Indicated

All the habit spasms exhibited by your little boy seem to indicate an inner stress and resistance—perhaps against tears and loneliness, and an unexpressed need for his parents' affection and reassurances. He may repress tears and verbal expression of this need out of love and loyalty to his grandparents, so he may not hurt their feelings. Tears are a very good emotional release. His habit spasms may be the signs of a brave and strong character resisting the "unmanly weakness of tears."

Perhaps, feeling rejected by his parents, he may have a sense of being unwanted by his playmates, too. This may explain the clenched fists and savage facial expressions when with them. Many children would go off by themselves to mope, daydream or feel sorry for themselves. He takes an aggressive stand of, "I dare you to do anything bad to me or not like me!" Find out which are his favorite schoolmates and have them over for the afternoon. Choose congenial boys who will not heighten his feelings of being different and inferior.

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STORM DOORS AND WINDOWS!

HOLD IN HEAT KEEP OUT COLD



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25 YEARS OF PIONEERING LEADERSHIP IN
PRODUCING FLEXIBLE WINDOW MATERIALS
Warp Bros. Sponsor the WLS National Barn Dance Every Saturday Night at 7:30 p.m. C.S.T.—TUNE IN

CHICAGO, ILL.

A KANSAN IN NEW YORK

We Looked, We Listened, Now We Comment

By FLORENCE MCKINNEY

IN EARLY OCTOBER, we journeyed to New York City to attend the annual meeting of the Farm Home Editor's Association. There we joined 25 other editors of home departments of the Nation's farm papers and magazines for a 5-day get-together. Demonstrations and meetings filled the hours from breakfast to bedtime. Manufacturers of our Nation's products from new fabrics, food, carpets, the new plastics, to equipment and furnishings, presented their newest developments to our group. Not only the products themselves, but how they may be used in Mrs. America's kitchen and living room.

Food and Freezers: Home food freezers have sold more rapidly than any other piece of major home equipment. Great have been the advances made, not only in the freezers, but in methods of freezing both raw and cooked foods. One home economist from a major freezer company recommends that not more than one or 2 meals of cooked foods be stored in the home freezer at one time.

For freezing prepared soup, she suggested using coffee and shortening cans. She has found cooked sweet potatoes freeze very well and stuffed baked potatoes, too. Cupcakes may be baked, frosted, then frozen. But as for ham, freeze for only a few days. Bread freezes well, in fact will keep as long as a year and come out like day-old bread.

She recommends a temperature of 350 to 375° for heating frozen cooked foods and 45 minutes will be enough time for most.

We observed a demonstration on use of minute tapioca as a thickening for fruit pies. The juice, we noted, was slightly more clear than in those pies thickened with flour and cornstarch. We hope you try this soon and see for yourself. We watched judging of cakes and new ways of decorating them for special occasions. We will tell you more about this in later issues.

Carpets: All the carpet manufacturers got together in their association to show home editors new trends in styles and fibers used. Their popularity and ultimate sales will depend upon Mrs. America, the consumer. They make what we want.

They reported prices of new floor-coverings are 30 to 35 per cent lower than at any time since Korea, which puts new carpeting once again within the budget of some folks formerly shut out of the market. Carpets made of man-made fibers are no longer an experiment . . . they are here to stay. Some are combined with wool and give excellent service. Others are used alone. We saw a real luxury item, all-nylon carpeting that retails for \$44 a square yard. Cotton carpeting continues to answer the call for those folks on a budget and it's high-styled, too. But there are carpets for everyone's budget and everyone's taste.

Small Electric Equipment: Manufacturers are turning out an almost unbelievable variety of small electrical conveniences for the homemaker. An old-fashioned grandmother would refuse to believe her eyes. New food mixers that take no shelfroom and simply hang on a nail on the wall, electric blankets, pads, little lamps in special fixtures which remove odors from the house and cost only 5 cents a week to burn. There are sleek new travel irons that fold, new general utility irons that may be used with or without steam. And by the way, we learned that ceiling fixtures are fashionable again. Lighting experts have developed all sorts of attractive fixtures which make for good overhead lighting.

New Fabrics: Nature's fibers, cotton, wool and silk have plenty of competition these days and there will be more in the days to come. And all of them come from test tubes and the brain of the chemist. Every homemaker when buying clothing, draperies, curtains and what-not is confronted with materials that may puzzle her. Dacron, Orlon, acetate and now there's fiber rayon. Gradually, as you see more of these materials, and you will, information will be passed along as to their uses, care and what you may expect as to wearability. Some may be used for men's and women's suits, others for window curtains, for draperies and still others will be found in new carpets and rugs.

New York Itself: It's an exciting experience. There, we understand is the one spot on the face of the earth where buildings can be built as high as the sky. Manhattan Island is underlaid with solid granite. It's incredible that somewhere around 9 or 10 million people live in the city and its boroughs. Look at New York and talk to New Yorkers and one gets the feeling of excitement, the glamor, the cosmopolitan air that one cannot find in even our biggest Midwest cities. New York, the saying goes, has everything! And that's the way one feels when there. Hotels have seldom been so crowded. The world is on the move, Americans there on business, on their way to Europe, Europeans arriving in New York. After all, New York is the financial and fashion center of the U. S.

Strange Accents Everywhere

Eating in the New York restaurant may be an experience in itself. Strange accents, foreign tongues among both waiters and customers. Right under the glass on the hotel room dresser are specific directions on what to do in the event of an atom bomb attack. We saw them in theaters, on huge billboards, in hotel lobbies. It's a bit unnerving.

There is not an inch of spare space except up and New Yorkers have taken advantage of that. Streets like canyons, all of them jammed with hurrying traffic, all the more incredible when one contemplates that subways carry the bulk of the moving public and that in certain areas there are 2 and 3 levels of subway traffic. That last bit of elevated railway, that on Third Avenue, we learned will soon be discarded.

By special escort, the home editors spent an afternoon in the buildings of the United Nations. All you have read and heard is no exaggeration, when one considers its size, architecture and cost. Painters were putting the last finishing touches on the walls of the great room where the General Assembly is now meeting, where Acheson and Vishinsky are now battling for their respective opinions. And there are other great rooms where visitors may don ear phones and listen to the discussion of the moment. We dropped into seats for a few minutes and listened in on such a meeting where representatives from round the world were discussing the wording of some resolutions on discrimination.

From a Train Window: Easterners farm the corners. Cultivated fields and farmsteads on the whole are neat as a pin. Each farm looks as if it operates as a high-producing factory. October's bright blue weather was right on tap for us and the countryside brilliant with color.

In New Jersey and Pennsylvania, we saw sleek new factory buildings pushing out in the lovely farming areas. It's a new trend we saw everywhere. It's a bit astonishing to see a smoke pall hanging over lush farm land, but there it was . . . the price we pay for industrial prosperity.

THE HEAT IS ON—WHEN THE GAS IS OFF!

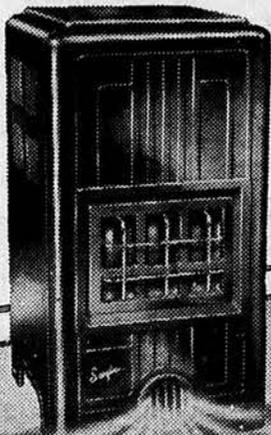
IT COSTS SO LITTLE TO HAVE A HOME-FULL OF HEAT WITH SIEGLER

Siegler's Honeywell wall-controls are completely automatic. Set it and forget it. Patented built-in blower clicks on and off automatically provides force-blown heat throughout your home even when the gas is off. Siegler's Two-In-One Heatmaker, the heater within a heater, doubles the heat output over the floor, cuts gas bills tremendously! Heavy Cast Iron lifetime construction. Buy Siegler and you own the best!



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A FURNACE JOB OF HEATING FOR THE PRICE OF A HEATER!

THE RECIPE CORNER



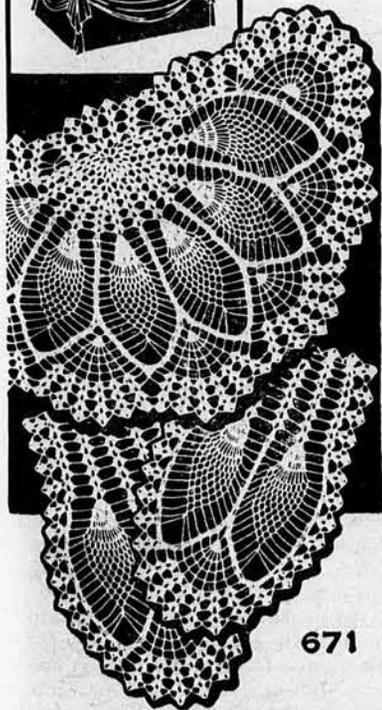
JUST LIKE GRANDMA used to make. Joe Froggers are a rolled ginger-molasses cookie for lunch boxes and hungry children.

Gumdrop Molasses Cookies

- ½ cup shortening
- 1 cup sugar
- ¾ teaspoon soda
- 1 teaspoon salt
- ½ teaspoon nutmeg
- ½ teaspoon ginger
- 1 teaspoon cinnamon
- ½ cup molasses
- 1 egg
- 2½ cups sifted all-purpose flour
- ¼ cup sour milk
- 1 cup chopped gumdrops

Cream together the first 7 ingredients. Blend in molasses. Beat in egg. Add flour alternately with sour milk. Stir in gumdrops. Drop dough from teaspoon onto lightly greased cookie sheets. Bake 15 minutes at 375° or until edges have lightly browned. Makes 4 dozen cookies. At first these cookies are hard and crisp but after storage are soft and chewy.

For Larger Chairs



671

An 11- by 18-inch chair-back in pineapple design is the perfect pattern for sofa or large chairs. Shell-stitch scallops are a dainty touch. Pattern 671 includes crochet directions. Use No. 30 cotton.

Pattern is 25 cents. Address Needlework Editor, Kansas Farmer, Topeka. Send 25 cents more for needlework catalog.

Joe Froggers

- 1¼ cups shortening
- 2 cups firmly packed sifted brown sugar
- 2 cups molasses
- 1 cup water
- 10 cups sifted all-purpose flour
- 1 tablespoon salt
- 1 tablespoon ginger
- ½ tablespoon cloves
- 2 teaspoons baking soda

Cream shortening with brown sugar. Mix in molasses, then water. Sift together flour, salt, ginger, cloves and baking soda. Add to molasses mixture and stir until well blended. Divide dough into 4 parts. Wrap each part in waxed paper and chill in refrigerator at least one hour. Roll out one part on floured board to ¼-inch thickness. (Keep remaining dough in refrigerator.) Cut into 4-inch rounds. Place on greased and floured cookie sheets and bake in moderate oven (400°) about 15 minutes. Repeat with remaining dough. Makes about 2½ dozen fat, soft cookies.

Raisin-Apple Cookies

A new kind of cookie for the lunch-box that will make school days more pleasant.

- 1½ cups sifted flour
- 1 teaspoon baking powder
- ½ teaspoon soda
- ½ teaspoon salt
- 1 teaspoon cinnamon
- ¼ teaspoon nutmeg
- ¾ cup shortening
- 1 cup brown sugar
- 1 egg
- 1 tablespoon water
- 1 cup diced, juicy, raw apple
- 1½ cups uncooked rolled oats
- ½ cup nuts
- ½ cup raisins

Sift together sifted flour, baking powder, soda, salt and spices. Add shortening when it is soft, but not melted, sugar, egg and water. Beat until smooth, about 2 minutes. Fold in diced apple, oats, raisins and nuts. Drop from a teaspoon onto a greased baking sheet. Bake in moderate oven (375°) 12 to 15 minutes. Makes about 3 dozen average-size cookies.

Feeding Little Folks

We can supply our readers with a new booklet entitled, "Feeding Little Folks." It is written by a pediatrician and home economist and tells in an easy-to-read and understanding way just how to feed babies and little tots. Send your order and 10 cents to the Home Service Department, Kansas Farmer, Topeka, Kan.



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by GREYHOUND

Plan your vacation by Greyhound to include visits to interesting agricultural projects, if you wish. You'll come back rested, refreshed, ready for the winter months — with new, profitable ideas from farms in other states.

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(KF-11-52)



Busy mother praises convenience of Active Dry Yeast

Wins Top Cooking Honors at Kansas Free Fair

Mrs. F. J. Didde of Olpe, Kan., jots down a record of the prize ribbons she has won for her cooking. Last year she took top honors at both the Kansas Free Fair and the Lyon County Fair . . . a real achievement!

Mother of an 11-year-old boy, Mrs. Didde loves to cook special treats for him . . . and like so many expert cooks she uses Fleischmann's Active Dry Yeast. "It always rises fast," she says. "And it's so convenient—stays fresh for months."

You can't beat this grand Dry Yeast—it's so much more convenient than old-style perishable cake yeast. Stays fresh for months at a time—so you can always keep a supply handy on your pantry shelf. When you bake at home, use yeast. And use the best—Fleischmann's Active Dry Yeast. It's the easiest ever—1 package equals 1 yeast cake in your favorite recipes. And with Fleischmann's Active Dry Yeast, you'll always get grand results!

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will help you find the
hidden profits in your soil
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Everything you need to take a soil sample—except the spade:

● Instruction folder: "How To Take A Soil Sample"; ● Four containers for shipping your soil; ● Soil Sample Information Sheets as approved by your own state, plus latest information on soil fertility from your own state, no matter where you live. This unusual free offer is good only while a limited supply of soil test sampling kits lasts. So be sure to tear out the coupon at the bottom of this page now.

IT'S SO EASY to have the soils on your farm tested! Simply mail the coupon below and Spencer will send you FREE this soil test sampling kit! Mail it today!

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4 CROP FOLDERS.... new
ways to help you make
MORE PROFIT!



How a soil test can help
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You know that nitrogen can give your crops a tremendous boost. But nitrogen can't work alone. Your soils must have enough phosphorus, potash, lime and trace elements if your scarce nitrogen is to do its best job. That's why Spencer, who produce only nitrogen, offer this Soil Test Sampling Kit.

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While your supply lasts, please rush me one of your Soil Test Sampling Kits. I understand there is no charge or obligation. Also, I would like the following free folders:

- "You can grow CORN for as little as 25c a bushel!"
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- Nitrogen timetable for my state.
- "WHEAT, the Staff of Life."

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Dwight Hull SAYS...

Lack of Warm Water Cut Our Milk Profit

OLD MAN WINTER came a little early last year, swooping down with snow and freezing weather the first few days of November. This really caught us napping with 20 cows in production, and our tank heater not in the tank and no wood cut to burn in it.

The water, of course, froze over and what did the cows have to say about this apparent neglect and having to drink ice-cold water. Well, they said it in the only way they have to say it. The very next day the milk sheet, which is the cows written record, showed a drop of 2 to 3 pounds per cow or a drop of 40 to 60 pounds per day in production. At 5½ cents per pound that means a loss of \$2.20 to \$3.30. Of course, that isn't so much or so terrible providing they come back up and that drop in production doesn't remain lower for the rest of their lactation period; which is always the danger when a cow drops in production.

What Milk Sheet Told

Boys, I said, do you understand what that milk sheet told you today. The red light is on and we must act quickly. We can't wait until next week when the snow goes off and we can get time to cut some wood for the tank heater.

We hurried to town in search of an oil-burning tank heater. We found one for \$32. This looks like quite a bit of money, but when you think what it might cost to do without it, you couldn't afford to be without one at any price.

The boys howled furiously when I told them what I had done. They had a hundred places they could use \$32. So I just sat down and figured it out with them and here is what we came up with. Suppose you lost 2 or 3 pounds daily production for the rest of a cow's lactation. Figuring the 20 cows were on the average half way thru their lactation, that would mean about 150 days of production. At 2½ pounds daily that would be 375 pounds of milk for 20 cows which would equal 7,500 or almost as much milk as some cows give dur-

ing their lactation. At an average price of 5½ cents a pound it would be 7,500 pounds at \$.055 which would equal \$412.50.

This would be a direct loss, but what about your indirect losses? The boys snorted again and said, "Oh Dad, you are just trying to make this thing bigger than it is. Indirect losses; what in the world would they be?" O. K. I said, let's see what some of these indirect losses are. Suppose you had a cow capable of making 8,000 pounds of milk a year and you fall down on the job like making her drink ice water and she produces only 7,500 pounds. Now suppose it take 6,000 pounds of that milk to pay feed cost and other costs of production. All right, if she actually produces 8,000 pounds and 6,000 pounds are cost of production, this is 75 percent of her production, or 25 percent is your net profit. By your neglect she produces only 7,500 pounds of milk; this would be 80 percent of production. Then your net would only be 20 percent. What I am saying is that you are actually losing the cream of your year's work because every pound you can get a cow to give above cost of production is the cream you are looking for.

Many Indirect Costs

Then there are many other indirect costs. For instance, if you are a pure-bred breeder, those extra pounds on a cow's records mean a lot when you go to sell her or her offspring. You might even go so far as to cull a cow and sell her on the market when it was your fault she didn't make a profit.

Then if you let your profit slip you might not have the money to buy that extra ton of fertilizer you need so badly to increase your quantity, and don't forget quality, of roughage.

Well, boys, we might go on and on with this but I think you can see by now that Dad wasn't such an old, so and so, as you thought when he rushed to town and purchased that new tank heater.

JACK GOES TO NORWAY

Works in unusual hayfield, gives historical data, tells how family farms are passed on, sums up his trip

Remember, Kansas Farmer promised to bring you letters from our two 4-H'ers who are spending some time on farms overseas this summer. Here is the 9th one from Jack Grier, of Pratt, who went to Norway.

DEAR MR. GILKESON: (On North Sea.) I am now starting my long trip home. I've been in Norway almost 4 months as I arrived here June 23. During my last week at the Torkjell Sekse farm we finished the fruit picking and also spent a couple of days digging potatoes which the Sekses raised for their use. Fruit crop was good this year; Torkjell had around 600 boxes, about 600 bushels of apples and pears ready for shipment when I left. There were many boxes of plums ready for shipment, also. Most of this fruit is shipped to a co-operative fruit-packing plant which grades and packs fruit for shipment to other parts of Norway.

Up on a Mountain

While at the Sekse farm I had occasion to help Mr. Sekse bring in some hay for the stock. The hayfield is located on a flat ledge on the mountainside far above the farm buildings. It was my belief, later confirmed by Torkjell, that the flat piece of ground

on which the hayfield is located is a ground moraine which was built up by deposition of silt and rocks from a glacier thousands of years ago. Since then, either the sea has subsided or the land uplifted, leaving this geological structure high and dry on the mountainside.

Hay was cut with a hand scythe and raked into small piles. These piles then were made into bales of hay by binding them tightly with some rope. Bales are then hauled to the edge of the flat land in preparation of lowering them down to the farmstead below. A steel cable spanning the distance between hayfield and barn is means for lowering hay. A metal hook equipped with a roller is hooked into a bale of hay and sent on its way zooming to the farmstead below.

Cables for Firewood

One Sunday while mountain climbing after witnessing this unique process, I noticed the entire mountainside is spanned with a system of cables not only for lowering hay but firewood as well. During late fall, after fruit harvest, many people obtain firewood for winter. Some wood is cut near timber line, may make as many as 3 different

(Continued on Page 35)



Jack Grier

stops en route to bottom since distance is too long to span with one cable.

A great deal of time during winter is spent making fruit boxes for next harvest. Of course, a large part of the winter is donated to one of Norway's favorite pastimes and for which the country is famous—skiing. First frost of the year for the Hordanger section I was in was October 11, much later than I had expected in such a northerly country. When I left Hordanger the sun was coming up at 10:35 a. m. and setting at 3:55 p. m. giving only 5 hours and 20 minutes of sunshine. The time the sun is shining it remains close to the horizon.

After living, working and playing with farm families in Norway 4 months I can truly say the Norwegian people seem to be happy and satisfied and to be looked to as a friend and fellow member of NATO. Of Norway's total area of 124,000 square miles about 3 per cent is cultivated soil, about 25 per cent forest and about 70 per cent is covered by mountains, lakes, rivers, bogs and towns. Thus Norway is a typical mountain land.

The gulf stream, which conveys millions of cubic meters (yards) of warm water per second to the coast of Norway, has a very favorable influence on its climate. Temperature is therefore much higher than at the same latitude in other lands.

Of Norway's population about two thirds live in rural areas and one third in towns. About 800,000 are engaged in agriculture, 1,000,000 in industry and handicrafts, 200,000 in fishery and whaling, 300,000 in trade and 300,000 in transport activities. About 97 per cent of the population belong to the established church, which is Lutheran-Evangelical, while 3 per cent belong to other denominations.

Are Called "Family Farms"

In a recent survey, 70 to 80 per cent of farms of more than 2 acres had been in possession of the family for over 20 years. All these farms are, according to Norwegian law, allodial estates, or what are called "family farms." According to the allodial law and the law of succession, the eldest son has the right to take over the farm at a reasonable price. If he does not wish to do so, the right passes to next eldest son, and so on. Farm management is to a large extent determined by natural conditions. Form of operation most suitable for farming in Norway is growing fodder crops for conversion into livestock products. Grass is by far the most important crop. In comparison to the size of her farms, Norway is comparatively highly mechanized.

Summing it all up, I hope it's been a profitable summer for all of us. I know it has for me. I'll always look back upon my 4 months in "Nature's Wonderland" as a summer well spent. My next letter will be my last and I will write it after reaching Kansas, telling of my travel experiences en route home. Any organization wishing to obtain an illustrated talk on Norway will please contact me at my home address, Pratt, Kan.—*Jack Grier.*

Hy-Lines

REG. U. S. PATENT OFFICE

CUT FEED COSTS

\$1.67 to \$2.63 per case of eggs

Hy-Lines LAY MORE Eggs with LESS Feed Cost

Report of 55 Farmers Who Conducted Comparison Tests on Feed Utilization of HY-LINES vs. Other Chickens . . .

Fifty-five farmers conducted comparison tests to find out whether Hy-Lines utilized feed more profitably than other layers. At the end of their tests (11 months in 1951-52), these farmers reported that Hy-Lines had consumed 37 to 58 lbs., less feed per case of eggs laid. At 4 1/2c per lb. (avg. price of grain and mash) Hy-Lines' feed cost per case of eggs was \$1.67 to \$2.63 less. The table below shows the final results:

Kind of Chickens	Hen-Day Rate of Lay	Lbs. Feed Per Case of Eggs	Feed Value at 4 1/2c Per lb.
Hy-Lines vs. Leghorns	65.2%	175.5 lbs.	\$7.90
HY-LINE ADVANTAGE	10.9% HIGHER RATE OF LAY	37.2 lbs. LESS FEED	\$1.67 LOWER FEED COST
Hy-Lines vs. Heavy Breeds	65.7%	159.3 lbs.	\$7.17
HY-LINE ADVANTAGE	14.0% HIGHER RATE OF LAY	58.5 lbs. LESS FEED	\$2.63 LOWER FEED COST
Hy-Lines vs. Crossbreds	65.2%	175.2 lbs.	\$7.88
HY-LINE ADVANTAGE	9.9% HIGHER RATE OF LAY	39.6 lbs. LESS FEED	\$1.79 LOWER FEED COST

100 Hy-Lines Lay As Many Eggs As 127 Standard-breds and Crossbreds

That's the average Hy-Line advantage proven in divided-flock tests made by 417 farmers. These farmers reported that their Hy-Lines averaged 190.2 eggs in 11 1/2 months; their standard-breds and crossbreds averaged only 149.3 eggs per bird housed. On this basis, 100 Hy-Lines produced more eggs than 127 standard-breds and crossbreds . . . decisive proof of Hy-Lines profit making advantage. See the table below:

Number & Kind of Chickens	Average Eggs Per Bird Housed	Total Eggs
100 Hy-Line Hybrids	190.2	19,020
127 Standard-breds & Crossbreds	149.3	18,961

27 Fewer Hy-Lines 40.9 More Eggs per Bird

SAVE MONEY

By Placing Your Order for Hy-Line Chicks Before December 1

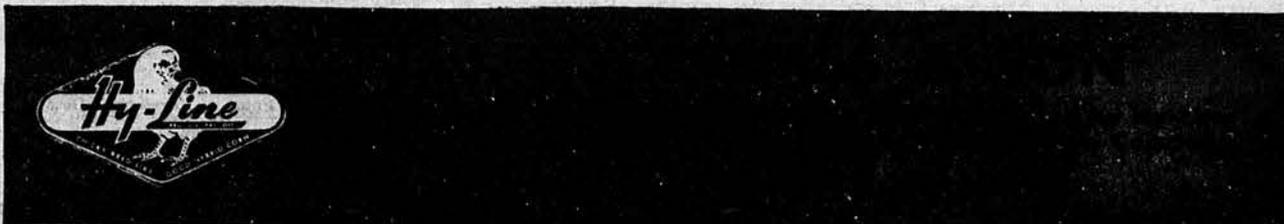
Take advantage of our early order savings offer. Simply place your 1953 Hy-Line Chick order before December 1. A small deposit is all it takes to reserve your chicks for the date you choose.

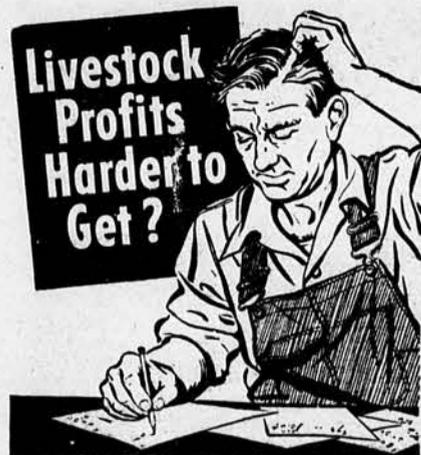
When we can book orders and plan our hatches in advance of our busy hatching season, we save work and money. We are glad to share this saving with our customers who order early.

See Our Representative in Your Community—
Or write direct for full details.

READY NOW . . . 1953 HY-LINE CHICK CATALOG

Get the new 1953 Hy-Line Catalog for more facts on Hy-Lines' great profit making ability. Ask your local Hy-Line Chick Representative for a copy. Or write us direct.





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TRACE MINERAL SALT

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

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



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Ever-tite HAND HOIST

New "Double-Action" hand hoist cuts time and work 50%. Makes dump wagon out of any farm wagon. Raises up to 6,000 lbs. of grain, farm produce, etc., for unloading in a few minutes. Weighs 60 lbs.,

easy to move from one wagon to another. Many uses—raising poultry houses and other structures, logs, tractors or trucks for changing tires, pulling out posts, stretching fence wire. \$50.00. Order through your dealer or write for circular. Ever-Tite Mfg. Co., 415-17 Washington St., Davenport, Iowa.

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THE MIRACLE LUBRICANT THAT COSTS LESS BECAUSE IT LASTS LONGER

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NAME _____
ADDRESS _____
STATE _____

Study Beef Outlook

Greatest expansion in beef production in America for 1952-53 feeding year is expected to occur in the Corn Belt. More feeder cattle will be available, reports the beef committee of the U. S. Feed Survey Committee, of the American Feed Manufacturers Association, Chicago.

Dr. A. D. Weber, agriculture dean at Kansas State College, was one of 4 members selected for the beef committee. The group also commented proportionately fewer animals will be retained for breeding purposes; lower feeder prices and ample feed supplies in the Corn Belt will result in greater shipments of feeder cattle into that area; beef cattle numbers in America will continue to increase but at a slower rate due to drought in the breeding areas. Doctor Weber has served on the committee other years, also. Top agricultural leaders of the Nation each year are selected to study feed supplies and probably feed usages for all livestock classes.

**New Use for
Atchison Cave**

It used to be a cave for eggs, now it's government-owned tools! The old limestone quarry near Atchison, which once was used by the U. S. Department of Agriculture for storing pork, lard, potatoes, eggs and other surplus foodstuffs, now is used by the Army Ordnance.

Try Fiberglas

Fiberglas insulation for metal buildings gives economical winter and summer comfort, says Owens-Corning Fiberglas Corp., Toledo, O. For tips on "Insulations for Metal Buildings," write us for a copy of that booklet. Address request to the Farm Service Editor, Kansas Farmer, Topeka. No charge.

New Hort Book

A new horticultural manual has been published, by Kansas State College Press, Manhattan. Authors are 3 professors there—Prof. George Filingier, Prof. Ray Keen, and Prof. Almon Fish. Shakir Al Sabagh, horticulture graduate student from Kirkuk, Iraq, illustrated the book. The 80-page manual is about fruits, vegetables, flowers, landscaping and farm forestry.

TREND OF THE MARKETS

Please remember that prices given here are Kansas City tops for best quality offered:

	Week Ago	Month Ago	Year Ago
Fed Steers	\$34.25	\$35.50	\$36.75
Hogs	17.65	19.25	18.75
Lambs	23.75	23.50	30.50
Hens, 4 to 5 lbs.	.21	.21	.22
Eggs, Standards	.45	.45	.53
Butterfat, No. 1	.63	.65	.68
Wheat, No. 2, Hard	2.56	2.47	2.67
Corn, No. 2, Yellow	1.62	1.65 1/4	1.85 1/2
Oats, No. 2, White	.97	.97 1/4	1.15 1/2
Barley, No. 2	1.52	1.53	1.52
Alfalfa, No. 1	45.00	45.00	44.00
Prairie, No. 1	30.00	30.00	26.00

• AUCTIONEERS •

HAROLD TONN
Auctioneer and Complete Sales Service
Writes, phone or wire Haven, Kansas

FIRE INSURANCE
FARMERS ALLIANCE INSURANCE COMPANY
ALLIANCE MUTUAL CASUALTY COMPANY

Classified Advertising Department

KANSAS FARMER Classified Advertising
WORD RATE
10c per word each issue. Minimum—12 words. Names and addresses are part of ad, thus are billed at per-word rate.
Livestock Ads Not Sold on a Per-Word Basis

DISPLAY RATE

Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/2	\$4.90	2	\$19.60
1	9.80	3	29.40

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

• BABY CHICKS
Raise Hy-Line Hybrid Chicks in 1953 for greater profits. Farm tests show Hy-Lines produce more eggs per bird; reduce feed cost per dozen. New circular contains proof. Early order savings by placing 1953 Hy-Line Chick order this month. Coombs Silver-Cross broiler chicks hatching now. Specially-bred, fast-growing meat bird. Write today. Coombs & Son, Box 6, Sedgwick, Kan.

DeForest Blueblood Chicks, broiler and egg breeds and crosses. Hatching year around. Broad-breasted Bronze, Beltsville White Poults. Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

• FARM EQUIPMENT
AMERICAN FENCING

47 In. Heavy Field, roll	\$25.45
39 In. Heavy Field, roll	23.34
32 In. Heavy Field, roll	19.30
39 In. Medium Weight, roll	15.12
32 In. Medium Weight, roll	11.82
Barb Wire, spool	7.90
Galvanized Corrugated Roofing, Sq.	9.25
10 and 12 Ft., Sq.	9.45

Monarch Lumber Company
North Kansas City, Missouri

Gigantic Surplus equipment sale. Amazing bargains. Available to 70% Farm engines, A-C generators, winches, telephones, air compressors, paint spray outfits, weed spray outfits, water pumps, electric saws-drills, welders, chain saws, battery chargers, binoculars, contour levels, etc. Freight prepaid. Rush card, sale catalog. Burden Sales Company, 377 "O" Street, Lincoln, Nebr.

Wire Winder. Roll and unroll barbed wire with tractor power and speed. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

• MACHINERY AND PARTS
Post Hole Digger—Belt Driven Rapiddigger—For Ferguson Ford. Uses any finest job all soils. Save labor and time, just \$140. Guaranteed performer. Write for information. Rapiddigger, 4605 Lowell, Lincoln, Nebr.

Garden Tractors \$127.00 New McLean, plowing, tilling, sickle-mowing, lawn mowing. Universal Mfg. Co., 324 West Tenth, Indianapolis 2, Ind.

• FARMS—MISCELLANEOUS
1,465-Acre Ranch—Two sets of improvements, free bus to grade and high school, some good timber, mail route, milk route, 150 acres hay meadow, watered from wells with mills, carry around 125 cows year around. Price \$35,000 per acre, less than one-half cash, balance long time. J. F. Huggins, Hugo, Colo.

Strout Catalog — Free! Farms, Homes, Auto Courts, Businesses, etc. 3446 bargains described, 31 states. World's largest, 52 years service. Save thru Strout Realty, 20-V West 9th St., Kansas City 6, Mo.

Free information about the Ozarks. Owensby, Buffalo, Missouri.

• LIVESTOCK ITEMS
Abortion, Mastitis, other diseases. Full details—free literature. Money-saving prices on vaccines, bacterins, pharmaceuticals. Kansas City Vaccine Co., Dept. P, Kansas City, Mo.

• REAL ESTATE FOR SALE
For Florida Property contact J. H. Holben, Realtor, Lake Wales, Fla.

• SEEDS
Certified Missouri O-205 Oats. The outstanding variety. Swinger & Alley, Marshall, Mo.

"POPCORN WANTED"
High cash price paid for popcorn on the ear or shelled. Advise how much you have to offer and send sample if possible. We will contact you immediately.

F. A. MANGELSDORF SEED CO.
Box 466 Atchison, Kansas

• PLANTS AND NURSERY STOCK
6 Tulip Trees, 6 to 12 inches, \$1. Ponzer Nursery, Rolla, Mo.

• FLOWERS AND BULBS
African Violets, new price list. Many new varieties. Hirt's Greenhouses, Strongsville, O.

• EDUCATIONAL—BOOKS
AUCTION SCHOOL Learn Auctioneering. America's Leading Auctioneers Teach You. Students sell actual sales. Largest school in world. 19 years in operation. Don't be misled. Term soon. Free catalog. Write REISCH AUCTION SCHOOL, Mason City, Iowa. Learn Auctioneering. Term soon. Write for catalog. Missouri Auction School, 1204 Linwood, Kansas City, Mo.

• DOGS
Rat Terrier Puppies. Bred for ratters. Crusaders Kennels, Stafford, Kan.

English Shepherds—Border Collies, America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed. We breed and sell our own stock. Fairmount Farms, Cedar Falls, Ia.

St. Bernard Xmas Puppies! Registered! Details, many charming pictures, free! Manitou Kennels, Watrous, Sask., Canada.

Black English Shepherd Pups. Breeder for 25 years. H. W. Chestnut, Chanute, Kan.

• FILMS AND PRINTS
20 DECKLEDGE REPRINTS 50c
8-8 Exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints 4c each. Request complete prices.
TINY'S PHOTO SERVICE
Box 1068-KF Topeka, Kan.

Photo Christmas Cards
made from your negative, 16 cards and envelopes \$1.00, 100 for \$5.75. If you do not have the negative send your photo and make extra. Copy an 11 glossy bills from your photo 5c. 8-exposure rolls developed and printed 25c. Jumbo size 35c. Reprints negative size 3c each.
SUMMERS STUDIO, Unionville, Mo.

Great News! Our famous Century Jumbo Over-size finishing at contact prices. Our Chicago plant, with new improved equipment, exclusive with Century, produces sensationally magnificent quality work. Any 8-exposure roll finished deluxe style only 40c. 12-exp. 55c. 16-exp. 70c. 36-exp. \$1.50. Over-size reprints 5c each. Free Mailers. Send us your next order, you will be delighted with results. Century Photo Service, Box 5208, Chicago 80, Ill.

Special! 25 Photo Christmas Cards made from your favorite snapshot negative only \$2.00, including envelopes. The Foto Farm, Box 228, Norfolk, Nebr.

Two Prints each good negative. 8 exp. 45c; 12-exp. 65c; 16-exp. 85c; Reprints 4c. Mayfair Photo Service, Box 617-B, Toledo, O.

12 Jumbos, 25c; 16 Jumbos, 35c; from any size roll or negatives, with this ad. Skrudland I, Lake Geneva, Wisc.

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

• FOR THE TABLE
HONEY WILDFLOWER MIXED 60-lb. Can FOB **\$9.90**

Extracted—Pure as bees can make it.
60-lb. Can Clover, FOB, \$12.00
12-lb. Can Clover (Postpaid to 600 ml.) 3.85
12-lb. Can Mixed (Postpaid to 600 ml.) 3.50
Order Promptly — Supply Limited
HAHN APIARIES, 1715 Lane St., Topeka, Kan.

Frozen Fish-Steak Dinner Special, 10 lbs. Catfish Steaks; 10 lbs. Codfish Steaks; 10 lbs. Halibut Steaks; 10 lbs. Salmon Steaks; 10 lbs. Trout Steaks; 50 lbs. \$22.00; 100 lbs. \$40.00. Write for complete price list. Green Bay Fish Co., Box 565, Green Bay, Wisc.

Delicious, New Ribbon Cane Syrup. No. 10 Can \$2.00. Sigler, Fullerton, La.

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

New Goose and Duck Feathers. Fifty-two years of fair dealings assure you best outlet for your new feathers. Will quote top prices and send shipping tags on request. Columbia Bedding Company, Dept. KF, 1750 No. Wolcott Avenue, Chicago 22, Ill.

• WANTED TO BUY
Watches Wanted. Any condition. Also broken jewelry, spectacles, dental gold diamonds, silver. Cash sent promptly. Mail articles or write for free information. Lowe's, 93 Holland Bldg., St. Louis 1, Mo.

Popcorn Wanted—100,000 pounds. Will pick up at crib. Ralph Townsend, Box 256, Atchison, Kan. Phone 188.

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

• AGENTS AND SALESMEN
We Sell Rain—2" on 16 acres—10 hours—wheels move—over terraces—with chores. Advance shipping tags on request. Columbia Bedding Company, Dept. KF, 1750 No. Wolcott Avenue, Chicago 22, Ill.

• REMEDIES—TREATMENTS
Latest Methods treating Piles, Fistula, Colon-Stomach disorders. Write for free book. McCleary Clinic and Hospital, E1140, Excelsior Springs, Mo.

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

Stainless Steel, 18-8 Vaporseal one quart sauce pan \$6.49; two quarts \$7.49; three \$8.49; six \$13.49; 12 1/2 \$18.50. Pressure cooker, 8-cup percolator \$13.50. Kettles. Major Co., 71 Milford St., Springfield, Mass.

Thrilling, Profitable Home Business. Make fast-seller, chenille monkey trees, dolls, flowers. Terrific holiday demand. Information free. Velva, Bohemia 2, N. Y.

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

Remnants, Nylons, Cottons, etc., 10-yard length. 4-inch width. Write Massa, 5303 Blvd. East, West New York, New Jersey.

Beautiful Dress Trimmings, 50 yards, 60c. Mill-End Shop, Box 502, Phillips, Tex.

• OF INTEREST TO ALL
Save 20 to 40% on national advertised appliances, housewares, jewelry, watches, toys, gift-wares, etc. Send 15c for complete catalog. Ideal for Christmas shopping. Satisfaction guaranteed. House of Wares, 351 W. 71st St., Chicago 21, Ill.

Legal Protection—Prepare your own confidential "Legal Will and Testament" in ten minutes. New method. Save \$25.00 attorney fees. Mail \$1.00 today for complete forms and instructions: National Legal Press, 14042 Superior, Cleveland 18, Ohio.

Dairy CATTLE

A. Lewis Oswald
John C. Oswald

Rotherwood JERSEYS

Hutchinson, Kansas

AYRSHIRES

MOST PROFITABLE COWS

4% MILK

Big Milkers Hardy Rustlers
Good Grazers Perfect Udders

KOW KREEK FARM

Now offers young cows, first and second
calf heifers. All to freshen this fall and
winter.

SERVICE AGE

HOLSTEIN BULL

15 months old, well grown and marked nicely.
Dam has 480 lbs. fat, 4.3% test on 2X milk-

ERNEST A. REED & SON

LYONS, KANSAS

WISCONSIN DAIRY CATTLE

Choice Holstein, Guernsey and Brown Swiss
calves, Yearlings and Springing Heifers. Deliv-

HEIFERS

Choice 2-Year-Old Bred Box Brand
all near Cottonwood Falls, Kan. Write or
call

Dual-Purpose CATTLE

Reg. Milking Shorthorn Bull Calves
for sale out of tested, classified dams, also one
serviceable-age bull. Can spare a few females.

REGISTERED MILKING SHORTHORN
BULLS AND HEIFERS

Impson breeding. RM dams. Priced reasonable.
J. E. HUGENOT, Moline, Kansas

POLLED MILKING SHORTHORN BULL

Polled, Calved March 24, 1950. Dark red
and sure. He is a son of Woodside Ty-

RED POLLS

Offering for sale: One yearling bull, open or
red heifers. Spring calves either sex.
W. E. ROSS & SON, Smith Center, Kan.

REG. RED POLLED BULLS

Quality Yearlings. Priced reasonable.
WM. WESE, Haven, Kan.

FOR SALE REGISTERED
3 RED POLL HEIFERS

Around 15 months old.
FRANK S. NOVAK & SONS, Haddam, Kan.

HOGS

FOR SALE: QUALITY
DUROC BOARS AND GILTS
bred by "Fancy Velvet," "Pioneers Ace" and
"Quality Roy 1st."

FOR SALE—GOOD REGISTERED
DUROC BOARS

Bred by Classy Dream, Royal Velvet, National
Velvet and The Sultan. Farmers prices.
GEORGE WREATH, Belleville, Kan.

TWO YORKSHIRE BOARS

Bred by Fairview Topper 10F (one of the best
toppers of Packwood King David 104th) and out of
"La Nan F135."

Two Black Poland China Boars

Select Model (Bauer Bros. herd boar) and
by Superior Chief bred by Clark Huber.
Double immune, well grown, March farrow.
FLOYD BRIAN, Mulvane, Kansas

POLAND CHINA BOARS

Open or Bred Gilts. Tops out of 230 head.
Meat type—clean—trim—
and quality. Priced reasonable. Write
BAUER BROS., Gladstone, Nebraska
(Just over the line in Nebraska.)

Name New 4-H Agents

Three new county 4-H Club agents
are now on the job. Frank Anderson,
Jr., former Vocational Agriculture
teacher at Wilson, is Russell county
agent. William Swearingen, August,
1952, Kansas State College graduate
with master's degree, is agent in Pratt
county. In Dickinson county, new agent
is Lawrence Cox, Oklahoma A & M
College graduate.

Transferred are Dale Watson from
Pratt to Rice county, Armin Samuel-
son from Dickinson to Harvey county,
and Forrest Smith from Rice to Barton
county.

John Gorton, former Marshall county
agent, resigned to go into other work.
Thirty-five counties now have 4-H
agents.

Goes to Turkey

A former Dickinson county farmer
is in Ankara, Turkey, to help agricul-
tural leaders there establish more mod-
ern methods of storing and handling
grain. He is Harve E. Bross.

A member of the Kansas PMA com-
mittee since 1944, Mr. Bross has a posi-
tion with the Mutual Security Agency.

Name CROP

District Supervisor

District supervisor of the CROP
(Christian Rural Overseas Program)
for Shawnee, Pottawatomie, Wabaun-
see, Geary and Riley counties will be
Carl Geisler, Alma. He is one of 21 dis-
trict supervisors being named.

November 17 to 21 will be CROP
Week.

Public Sales of Livestock

Aberdeen-Angus Cattle

November 18—Spence Angus Reduction Sale,
Freemont, Nebr.
December 8—Annual Commercial and Purebred
Sale, Dodge City, Kan. Chester I. Bare, Sale
Manager, Protection, Kan.
February 11, 1953—Chisholm Trail Angus Breed-
ers' Association, Caldwell, Kan.
March 26—Kansas 487th Sale, Salina, Kan.
March 30, 1953—Kansas Special Registered Aber-
deen-Angus Sale, Ericson, Thalmann & Davis,
Hutchinson, Kan.
April 9, 1953—Mid-Kansas Aberdeen-Angus As-
sociation, Hutchinson, Kan. Phil Sterling,
Secretary, Canton, Kan.

Hereford Cattle

November 15—C. C. Tucker & C. A. Freese,
Rocheport, Mo. Donald J. Bowman, Sales
Manager, Hamilton, Mo.
November 18 and 19—Sunflower Futurity, Hutch-
inson, Kan.
November 21—Golden Willow Polled Hereford
Sale, Pittsburg, Kan.
November 24—Sumner County Hereford Breed-
ers' Association Sale, Wellington, Kan. Paul
M. Phillippi, Secretary-Treasurer, Argonia,
Kan.
November 25—Frank Matheson, Natoma, Kan.,
and Jake Reich & Son, Paradise, Kan. Sale
at Natoma.
December 2—Al-Tredway 9th Sale, Oakley, Kan.
December 2—Salina Bull Sale, Salina, Kan.
December 2—Salina Reg. Hereford Bull Sale,
December 4—Streeter Funk, Fall River, Kan.
Gene Sundgren, Sale Manager, Salina.
December 5—South Central Kansas Hereford
Association, Newton, Kan. Phil H. Adrain,
Sale Manager, Moundridge, Kan.
December 6—A. R. Schlickau & Sons, Haven,
Kan.
December 10—B-K Herefords, Longford, Kan.
Sale at Minneapolis, Kan.
December 17—Rowland Baddy Hereford Dis-
persal, Norton, Kan.
January 31—North East Kansas Breeders Sale,
Topeka, Kan.
February 2—Kaw Valley Association Sale, Man-
hattan, Kan.
February 7—Oliver Bros., Harper, Kan.
February 7, 1953—Dickinson County Hereford
Association, Abilene, Kan.
February 9—Kansas Range Bull Sale, Dodge
City, Kan.
February 13—HG Hereford Farms, Colby, Kan.
February 16—Solomon Valley, Osborne, Kan.
February 21—CK Ranch, Brookville, Kan.
February 27—Sam Gibbs, Clay Center, Kan.

Polled Hereford Cattle

November 21—Golden Willow Ranch, Liberal,
Mo.
November 22—Jesse Riffel & Sons and Elmer
Riffel & Son Dispersion, Enterprise, Kan.
November 23—E Ranch, Topeka, Kan.
December 1—Polled Hereford Associa-
tion, Hutchinson, Kan.
February 23—Central Kansas Polled Herefords,
Herington, Kan.

Holstein Cattle

December 9—Lloyd C. Bacon High Grade Dis-
persal Sale, Cameron, Mo. Donald J. Bow-
man, Sales Manager, Hamilton, Mo.

Shorthorn Cattle

November 15—Edna Mae Farms, Carl Junction,
Mo. Mervin F. Aegerter, Sales Manager,
Seward, Nebr.
November 25—H. A. Chrisman, Mayetta, Kan.

Duroc Hogs

February 7, 1953—Vern V. Albrecht, Smith Cen-
ter, Kan.

Sheep

November 17—North American Suffolk Bred Sale,
Oskaloosa, Ia.
November 22—Harold Tonn, Haven, Kan.
November 24—Kansas Purebred Bred Ewe Sale,
Hutchinson, Kan. T. Donald Bell, Sale
Manager, Manhattan, Kan.
November 28—Roy F. Gillmore, Peabody, Kan.
Sale at Hutchinson.

Hampshire Sheep

November 28—Northwest Missouri Association,
South St. Joseph, Mo. F. D. Houghton,
Secretary, Maryville, Mo.
November 29—Smithcroft Farms, Cedar Vale,
Kan. Sale at Winfield.

Tests Show Cattle

Like Rubbing Posts

Cattle like rubbing posts. Commer-
cial and homemade posts have been ex-
tremely effective in horn fly and lice
control at the U. S. Southern Great
Plains Field Station, Woodward, Okla.

Cattle treated themselves by rub-
bing against a 4 per cent solution of
DDT in used motor oil. This solution
can be made by dissolving 2 pounds of
100 per cent technical DDT (or its
equivalent in prepared DDT-oil solu-
tions) in 6 gallons of used motor oil.
Resultant fly control has been superior
to that obtained from spraying, and
costs are only about 1 cent per head
per year.

Effective homemade rubbing posts
can be made from several strands of
old barbed wire. This is then wrapped

with burlap sacks, and one end is
firmly fastened to a post about 4 1/2 feet
from the ground. Other end is fastened
near ground level about 12 feet out
from object supporting high end. Bur-
lap "cable" is treated at monthly inter-
vals with 1 pint of 4 per cent DDT solu-
tion in used motor oil. Locate post
where cattle naturally congregate.

Cut Oil Costs

How farm users of oil can save
up to 50 per cent and improve en-
gine performance is told in a leaf-
let published by Association of Pe-
troleum Re-Refiners, Washington,
D. C. For a copy, write Farm
Service Editor, Kansas Farmer,
Topeka, Kan. No charge.

SHEEP

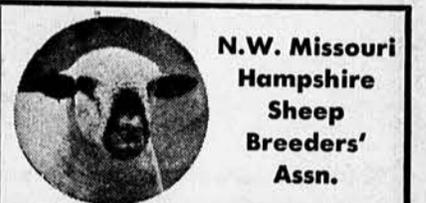
REG. HAMPSHIRE
SHEEP SALE

Winfield Fairgrounds
Winfield, Kansas
Sat., Nov. 29, 1952

Sale at 1:00 P. M.
90 HEAD—70 Bred Ewes
5 Ram Lambs, 5 Yearling Rams

These are high quality ewes and
rams. Same as the tops we have had
at Kansas State Sheep Sales and
Shows.

For catalog write
SMITHCROFT FARMS
CEDAR VALE, KANSAS
See our consignment at
State Bred Ewe Sale



N.W. Missouri
Hampshire
Sheep
Breeders'
Assn.
BRED EWE
SHOW & SALE

FRIDAY, NOVEMBER 28, 1952

Purebred Livestock Sale Barn
SOUTH ST. JOSEPH, MO.
Show at 10 A. M. — Sale at 1 P. M.

60 Head of Ewes that will be bred to some of
the outstanding rams of the breed.

Consignors:
GLEN ARMENTROUT, Norborne
EUGENE BUSBY, Maryville
CLEVER D. GIBSON, New Hampton
F. B. HOUGHTON, Maryville
JOE MARTIN, DeKalb
WILLIAM D. NORMAN, Cowgill
J. D. SCHUMACHER & SON, Osborn
CLARENCE T. STURM, Ravenwood
L. C. THORNTON, Marysville
MRS. WILMA VAN TRUMP, Elmira
J. T. WILLIAMS, Jr., Hardin

For catalogs or additional information write
to F. B. HOUGHTON, Secretary, Northwest
Missouri State College, Maryville, Mo.
Judge: Rollo Singleton
Auctioneer: Bert Powell

REG. DORSET RAMS

For Sale from good breeding.
JERRY MILLER, Reserve, Kansas
Reliable Advertisers Only
Are Accepted
in Kansas Farmer

2nd Annual BRED EWE SALE

REGISTERED
at the Ranch, at 1:00 P. M. on
November 22nd

35 Southdowns, 25 Shropshires — 60 HEAD
Southdown Ewes feature the service of Vinewood "792" the \$600 ram
purchased at the Bistline dispersal. Also services of Sherman Farms
"1215" and Maplecrest "377-48." Both having won several champion-
ships in the past two seasons. Shropshires bred to the \$500 Fredrick & Son
ram purchased last year and the champion ram of the 1951 Kansas State
Ram Sale.

O. W. FISHBURN & SON and HAROLD TONN Sale to be held at
Valley View Ranch, 3 miles W. and 3 1/4 miles S. of Haven, Kan.

Harold Tonn, Auctioneer
(REMEMBER—FREE DELIVERY ON 5 HEAD OR MORE.)

BRED EWE SALE
STATE FAIR GROUNDS
Hutchinson, Kansas

THE KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION
will hold its 7th Annual Show and Sale

Monday, November 24, 1952
High quality bred ewes of the Hampshire, Shropshire, Suffolk, Southdown, Dorset and
Corriedale breeds, will be offered.

Judging of the Show Ewes at 10:00 A. M. — Sale at 1:00 P. M.
For catalogs address:
KANSAS PUREBRED SHEEP BREEDERS' ASSOCIATION
T. Donald Bell, Secretary, Kansas State College, Manhattan, Kan.

Breeders' Joint Sale December 4, 1952 Fall River, Kansas

This sale will be held at the Crestview Ranch west of Fall River on U. S. Highway 96.

57 LOTS — 70 HEAD



CK ROYAL DUKE 4

Selling 5 senior yearling heifers, 11 cows, 4 with bull calves, 4 junior heifer calves, 1 junior yearling herd bull prospect, 11 senior bull calves. We are selling 3 junior yearling bulls, 3 senior bull calves, 4 serviceable-age bull calves, and 3 cows with calves at side.

All of the young cattle are by CK Crusty 25 and the cows are rebred to him. CK Royal Duke 4 was the 1947 Kansas Sunflower Futurity reserve champion bull as an 8 months old calf. Another son of WHR Royal Duke 33, CK Royal Duke 12 was a first prize winner at the Kansas State Fair and topped the CK Sale at \$15,000. Another half brother, CK Royal Duke 46 topped the CK Calf Sale at \$4,800. We will sell 12 of his daughters, most of which are old enough to breed. Mr. Funk having sold the major portion of his ranch is forced to reduce his herd of registered Herefords. The young cattle selling are by CK Challenger D 55 and the cows are rebred to him.

CK CHALLENGER D 55

CK ONWARD DOMINO	Onward Domino Jr.	Onward Domino 1
	Fern Fairfax	Miss Dandy Domino 1
		Wyoming Fairfax 4
		Fern Leaf
BLANCH DOMINO 2	Prince Domino 9	Prince Domino 134
	Blanch Domino	Anna Agitator
		Prince Domino 134
		Blanch Anxiety

Also featured in this sale is the blood of CK Crusty 25th. CK Crusty 25th is by the Registered of Merit sire CK Cruiser D 34th, that sired the 1950 Denver Champion. CK Creator, sire of his dam, CK Kansas Belle 8th, sired the 1947 Denver Champion. He was selected from the 1950 Denver Reserve Champion carload of bulls.

FOR CATALOGS WRITE THE OWNERS:

Greenwood Hereford Ranch EDWIN BROWN Fall River, Kansas	Crestview Ranch STREETER L. FUNK Fall River, Kansas
TOM BROWN, Fall River, Kansas	Mike Wilson for Kansas Farmer
W. H. Heldenbrand, Auctioneer	



BUY YOUR BULLS
at the
SALINA HEREFORD BULL SALE
at Beverly Stockyards
SALINA, KANSAS
TUESDAY, DECEMBER 2

The feed shortage through this area has made large offering of registered bulls available that normally would be carried until spring. All indications are for increasing prices. A better selection can be made now and a lot of money saved. Plan on the Salina Bull Sales to fill your needs for quality and quantity.

Contact Me Regarding Your Cattle Problems
Gene Sundgren, Sales Manager
P. O. Box 144 Salina, Kansas Phone 7-2848

Buy United States Savings Bonds Today



LAST CALL
FOR THE **ELMER RIFFEL DISPERSION AND**
JESSE RIFFEL & SON PRODUCTION SALE
Enterprise, Kansas
at the farm
November 22, 1952

Selling over 100 HEAD herd bull prospects, cows, bred heifers and open heifers. Also some cows with calves at foot. Representing the blood of PVF Advance Plato 2nd, Modest C. Lamplighter 9th, Mischief A. Return PVF Advancemore 9th and Beau Lamplighter. Sale to be held jointly at **PLAIN VIEW FARMS** 5 1/2 miles south of Enterprise
Jewett Fulkerson, Auctioneer Mike Wilson for Kansas Farmer



In the Field

MIKE WILSON
TOPEKA, KANSAS
Livestock Editor

A. H. KNOEPEL, Colony, has 8 registered Jerseys in his herd which recently were classified with the American Jersey Cattle Club, Columbus, Ohio. Of 8 animals classified, 1 rated excellent, 3 very good, and 4 good plus. One animal was jointly owned by Mr. Knoepfel and Kenneth C. Corbett. Geonnals Volunteer Poppy was the "excellent" animal.

JOHN M. LEWIS, Larned, and Gainer Brothers, Percy, Miss.—joint owners of DCF Larry Domino C, junior yearling bull—received grand champion honors on that bull at the National Polled Hereford Cattle Show, Tulsa, Okla., in October.

THE PORTER RANCH, of Quinter, sold 90 head of Herefords on October 27 for a total of \$25,350 to make a general average of \$281. Twenty-eight bulls sold for an average of \$348; 62 females averaged \$251. Top bull was Lot 21, Royal Cross 4th, and sold for \$700 to Charles and Russell Stewart, Russell. Top female was Lot 45, Callie Royal 5th, and brought \$530, selling to Wilkinson Bros., Beardsley, Col. Gene Watson sold the sale.

R. E. BERGSTEN & SONS, Randolph, held a Hampshire hog sale on Wednesday, October 22; averaged \$63 on the 35 lots. The lots totaled \$2,200. Thirteen boars averaged \$75 and the 16 registered gilts averaged \$57. Six off-belt gilts averaged \$50. Top-selling boar was Lot 1, a son of Model Copy RB, selling for \$125 to Wallace Johnson, Irving. Top-selling gilt was Lot 12, a daughter of Model Copy, selling at \$75 to R. & S. Ranch, Halstead. Col. Bert Powell sold this offering.

THE NORTH CENTRAL KANSAS ASSOCIATION OF SHORTHORN BREEDERS held their annual sale of registered Shorthorn cattle, at Beloit, October 23. Fifty-three head sold for a total of \$13,320, making a general average of \$251. Thirty-three bulls averaged \$266; 20 females averaged \$227. Top bull was Lot 4, Favorite Stamp Express 4th, consigned by F. A. Dietz, Wakeeney, and sold for \$615 to E. H. Ruthi & Son, Bloomington. Show champion and top female was Lot 47, Alice 35th, consigned by Julius Olson, Leonardville, and sold for \$400 to Daryl Eslinger, Virgil. Col. Bert Powell was auctioneer.

On October 22, BLACKPOST ANGUS RANCH, at Olathe sold 52 head of registered Angus cattle at their annual production sale. The total was \$80,385, making a general average of \$1,546 per head. One bull sold for \$20,100; only bull sold in this auction, and purchased by M. D. Head, Ladenberg, Pa. He was Lot 1, BPR Prince Envious 1551st, by BPR Prince Envious Bardolier and out of the 1950 International grand champion female, Georgina Erica of Blackpost. Fifty-one head of females averaged \$1,182. Top female was Lot 39, BPR Erianna Erica 5th, sold for \$10,000 to Allmar Farms, Sybertsville, Pa. Buyers came from Pennsylvania, Kansas, Missouri and California. Cois. Roy Johnston and Ray Sims conducted the auction.

WILLIAM BELDEN, AL J. SCHUETZ and P. J. SULLIVAN, Hereford cattle sale, held in Horton, on October 25, drew one of largest crowds to ever attend this annual event. The 65 head of cattle totaled \$20,230 to make a general

average of \$311. Twenty-two bulls averaged \$297; 43 females averaged \$318. Top bull was Lot 1, WHR Emblem 30th, consigned by William Belden, and sold for \$525 to Merle Beech, Emmett. Top bull in the Schuetz consignment was Lot 16, Prince Tredway 47th, and sold to C. C. Webb, Highland, for \$500. Top female, a cow and calf combination, totaled \$540 from the P. J. Sullivan consignment, Lot 64, Prince Ann, brought \$350 selling to H. B. Young, Larned, and her bull calf by Prince Tredway 5th sold to Ollie Haverkamp, Seneca, for \$195. Col. Gene Watson sold this sale.

SEVERAL KANSANS are owners of registered Holstein-Friesian cows which recently completed outstanding production records with the Holstein-Friesian Association of America:

Collins Farm Ella Gerben Lass, owned by Harvey Bechtelheimer, Sabatha—106,460 pounds milk, 3,710 pounds butterfat on 2 milkings daily for 2,290 days.

Onabank Natalie Gem, owned by Lloyd Shultz, Pretty Prairie—123,674 pounds milk, 4,277 pounds butterfat on 2 milkings daily for 2,701 days.

Onabank Pontiac Princess, owned by Lloyd Shultz, Pretty Prairie—111,730 pounds milk, 3,832 pounds butterfat on 2 milkings daily for 2,616 days.

Thonnya Triune Nina, owned by E. A. Reed, Sons, Lyons—108,064 pounds milk, 3,683 pounds butterfat on 2 milkings daily for 2,073 days.

A total of 100,000 pounds milk is equivalent of about 47,500 quarts—4 times the production of the average U. S. cow.

THE COWLEY COUNTY HEREFORD BREEDERS ASSOCIATION sale, at Arkansas City, November 8, was very well attended. Fifty-one lots consigned totaled \$19,760 to make an average of \$413 on 29 bulls and \$354 on 22 females. Lot 30, CPW Larry Domino 1st, owned by C. P. William, Burden, topped bull sale at \$1,000 going to McDaniel Bros., Danville. Lot 42, S. R. Larryman 30th, consigned by Stella Ranch, Douglass, topped the female sale at \$700, selling to John Renney, Arkansas City. Bull champion in the show was exhibited by Steibar Ranch, Douglass, and female champion by O. Boy Waite, Winfield. Colonel Bill Heldenbrand sold the offering.

THE KANSAS POLLED SHORTHORN SHOW AND SALE was held at Hutchinson, November 6, at the state fairgrounds. Sixty-five lots sold for a total of \$20,975. The 36 bulls averaged \$353; 29 females, \$285. Lot 2, Collynie Memo Express, champion of show, topped bull sale at \$700, selling to W. A. Harrison, Wharton. Top female was consigned by Elvin E. Britt & Son, Abilene. Lot 63, Rosa Lee, champion female consigned by Love & Love, Partridge, sold for \$500 to D. L. Snider & Sons, Raymond. The auction was conducted by Gene Watson.

On November 7, THE HORNED SHORTHORN SHOW AND SALE was held. Seventy-one head of cattle were sold for a total of \$25,405 to make a general average of \$357. Thirty-three females averaged \$333. Top bull, Lot 20, Blockade Leader, consigned by William E. Thorne, Lancaster, sold for \$710 to A. B. Moll, Little River. Top female was Lot 54, EV Juanita B, consigned by Ralph D. and James M. Collier, Abilene. This auction was conducted by P. J. Swaffar.

Hog sales this fall, regardless of breed sold have not been anything to talk about. Prices have ruled very conservative and buyers have not been willing to pay very high prices, even for the better kind.

One of the better than average sales was the WILLIS HUSTON DUROC SALE, at America on October 13. In this sale, 10 top boars averaged \$71.20, gilts were sold with 10 top gilts averaging \$57. Seventeen boars were sold with top at \$80 on Lot 1 boar; buyer was Buford Larson, Elmora. Two boars sold for \$77.50 each; one to Morris B. Postin, Rosehill; other to Albert Boeckman, Corning. Emporia, Mo. bought a boar at \$72.50. High gilt, at \$90, was

SOUTH CENTRAL KANSAS HEREFORD SALE December 5, 1952



**Newton,
Kansas**



Selling ROLLED—HORNED

40 HEAD — 25 Bulls, 15 Females

Most of the bulls are of serviceable age. All of the females are bred or are old enough to breed.

CONSIGNORS

- | | |
|---|------------------------------------|
| I. R. Weaver, Moundridge | Kenneth Hershberger, Sedgwick |
| Campbell Hereford Farm, Burrton | Lyle Congdon, Sedgwick |
| Cecil Medley & Sons, Tampa | Waite Bros., Winfield |
| Twin Oak Farm, Moundridge | Broken Wine Cup Ranch, Marion |
| Nor-Lynn Polled Hereford Farm, Sedgwick | Frank Condell, El Dorado |
| Willow Creek Hereford Farm, Gypsum | Ray Rusk & Son, Wellington |
| Triple S—Lawrence Seiler, Maize | P. F. Regier & Son, Burrton |
| Felix J. Krehbiel, Elyria | Chisholm Creek Farm, Valley Center |
| Raymond Shockey, Derby | J. R. Overstreet, Newton |
| | Otto Delfs, Inman |

For catalog write

PHIL ADRIAN, Sales Manager
Twin Oak Farm, Moundridge, Kansas

South Central Kansas Hereford Association
Freddie Chandler, Auctioneer Mike Wilson for Kansas Farmer

Beef CATTLE

COMPLETE

Shorthorn Dispersal
Tuesday, November 25
1 P. M.

at farm, 6 miles west and 7 miles south, then
1 mile west and one-half mile south of
Holton, Kansas

41 HEAD OF REG. SHORTHORNS
20 Cows — 5 Yearling Heifers
1 Bull—15 head Bull & Heifer Calves

H. A. CHRISMAN
Mayetta, Kansas

REGISTERED POLLED
SHORTHORN BULLS

Grandsons of Gold Gloster, sire of this years
champion at Montgomery, Ala. Well bred, and
well developed. Priced to move.

ELVIN E. BRITT & SON, Abilene, Kan.

HEREFORD
BULLS

Polled and Horned

Several polled range
and herd bull pros-
pects. Also a few
horned bulls. One out-
standing yearling
horned herd bull pros-
pect. Ages 6 to 24
months.

All sired by ALF Choice Domino 75th.
Attend the State Polled Here-
ford Show and Sale Dec. 1 at
Hutchinson, Kansas

We are consigning 2 Polled Herd
Bull Prospects. Sired by ALF Beau
Rollo 39th & ALF Choice Dom. 75th.

RAYL & COOK
Kingman, Kansas, Route 2

CONSIGNED TO:
SUMNER COUNTY HEREFORD
BREEDERS' ASSOCIATION
3RD ANNUAL SALE

Monday
November 24
1952

Wellington,
Kansas
at the Municipal
Auditorium

Two open help-
ers, calved Mar.

1951, calfhood vaccinated for Bang's,
and 2 bull calves March and April,
1951.

All are sired by Cruiser D. 4, he by OK
Cruiser D. 18, and out of dams rich in WHE
and Hazlett breeding. Also one September,
1951, bull sired by WHE Royal Star 9, by
OJR Jupiter Star 12, and carrying in his
5 generation pedigree, Double Domino 5 on
each side, Star Domino 6 and WHE Royal
Domino 51.

McDANIEL BROS.
DANVILLE, KANSAS

REG. HEREFORD BULLS

to 18 months old. Sired by: OJR Jupiter Star
2th, Domino Lad KTO 111th and F. Elation 22.
on range and herd bull prospects.

WAITE BROS., Winfield, Kansas

AUCTIONEERS

BERT POWELL

AUCTIONEER
LIVESTOCK AND REAL ESTATE
229 Piasa Avenue Topeka, Kan.

Livestock Advertising Rates

Effective February 1, 1951

1/2 Column inch (5 lines) . . . \$3.50 per issue
1 Column inch \$9.80 per issue
The ad costing \$3.50 is the smallest ac-
cepted.

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

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

December 6
Will Be Our Next Issue

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

Friday, November 28

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

to Samuel Bybee, Hewins. Second top gilt went
to W. H. Hilbert, Corning, at \$72.50.

Trend in the hog business has not discouraged
this breeder. He and his father have seen the
hog business go thru many cycles or market
trends. Willis recently purchased the Duroc boar
Ohio Wavemaster, an aged boar. He is a litter-
mate brother to Perfect Wavemaster, belonging
to Katter of Ohio, that was junior and grand
champion boar of Ohio 1951. Sire of the Huston
boar and Katter boar sired the 1944 Indiana
grand champion and dam is by the 1946 Ohio
and Indiana grand champion.

THE KANSAS ABERDEEN-ANGUS BREED-
ERS STATE SALE held in Hutchinson, Oc-
tober 29, reached a top of \$2,650 on females.
Sixty-four head of Angus brought a total of
\$43,550 to make a general average of \$680.
Seven bulls averaged \$650; 57 females averaged
\$684. Show champion and top sale bull was Lot
26, Pokan Prince 8th, owned by Hudelson Bros.,
Pomona, and sold to Robert Goodin, for \$1,025.
Top female was Lot 54, a substitute, Maid of
Bummer 250th of SAF, consigned by Simon
Angus Farms, Madison, and sold for top of the
day, \$2,650, to Kellor Ranch and Joe Hooten,
Austin, Tex. Colonel Roy Johnston sold the
offering.

THE O'BRYAN RANCH POLLED HERE-
FORD PRODUCTION SALE held on October 28,
totalled \$63,055 on 171 lots sold. They made a
general average of \$369. Twenty-nine bulls
averaged \$389; 142 females averaged \$367 and
sold to buyers from 9 states. Lot 90, O'Lady Lou
3rd, a May 1952 heifer calf, topped sale at
\$2,700 to Double E Ranch, Senatobia, Miss. Lot
22, O'Advance Mischief 6th, a junior bull calf,
topped bull sale at \$735; sold to Cheatham,
Wichita. Watson & Sims were auctioneers.

THE LINCOLN COUNTY HEREFORD AS-
SOCIATION sale held at Sylvan Grove, No-
vember 6, totalled \$20,290 on 49 lots, to make a
general average of \$414. Thirty bulls averaged
\$495; 19 females averaged \$285. Top bull was
Lot 5, Larry M. Label 4th, consigned by George
W. Murray, Jr., Barnard, and sold at \$1,100 to
E. E. Meyer, Natoma. Top female was Lot 33,
Princess Colleen 8th, consigned by Elmer Re-
benstorff, Sylvan Grove, and sold at \$370 to
J. G. and H. E. Miller, Miller, Freddie Chandler
was auctioneer.

J. C. PENNEY'S sale of Pre-Eminent, Pro-
duction bred Guernseys at his farm near Galla-
tin, Mo., November 6, had buyers from Missouri,
Kansas, Iowa, New York and Mississippi. This
particular herd was high in production. None of
the Guernseys at this farm had been shown or
classified.

High-selling cow went at \$550, with 10 high-
selling females averaging \$446. As in all dairy
cattle sales this fall, open heifers and heifers
just bred sold at conservative prices. Top open
heifer sold for \$450. The 2 high-selling cows,
at \$550 and \$470, were purchased by Greencrest
Dairy, St. Louis, Mo. High-selling open heifer,
at \$450, went to J. M. McDonald, Cortland, N. Y.
H. H. Haney, Topeka, paid \$440 and \$400 for
2 of the higher-selling cows. T. H. Holton,
Tonganoxie, and Ralph Schilling, Morrill, were
buyers. Five head came to Kansas.

Bert Powell was auctioneer and sale was un-
der management of Missouri Guernsey Cattle
Club, Columbia, Mo.

On October 30, THE FLINT HILLS HEREF-
ORD ASSOCIATION sale was held at Cotton-
wood Falls. Sixty-three lots brought a total of
\$30,175 to make a general average of \$479.
Forty-five bulls averaged \$506 while 18 females
averaged \$412. Top bull in auction was Lot 6,
RF Talsman 35th, consigned by A. D. Rayl,
Hutchinson, and sold for \$900 to Scott Williams,
Alma. Show champion and top sale female was
Lot 43, SR Laryann 23rd, consigned by Steibar
Ranch, Douglass, and brought \$850 on bid of
W. E. Weaver, Augusta. Gene Watson was the
auctioneer.

Many Hogs Killed
To Control VE

In an effort to stamp vesicular ex-
anthema disease of hogs, about 8,000
hogs have been slaughtered in Kansas
this year.

According to the state veterinarian's
office, Kansas and the USDA will share
the cost of difference between market
price and price paid for the condemned
animals. Hogs were slaughtered for
tankage, livestock feed supplement.

Dan Henly Wins
New \$1,000 Award

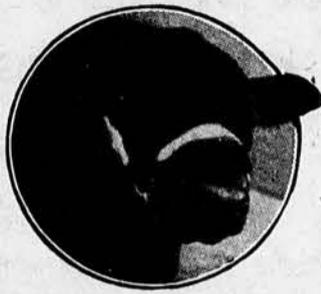
Announcement is made of a \$1,000
award to go to a junior or senior stu-
dent majoring in agricultural journal-
ism at Kansas State College.

Dan L. Henly, Olathe, is first student
selected for the working-award, an-
nounces L. L. Compton, director of Kan-
sas Crop Improvement Association and
professor of agronomy at the College.
A junior student, Henly will do press
and radio writing to promote produc-
tion of better crops and use of proved
crop varieties in Kansas.

Save Those Pigs!

Use electricity to save more baby
pigs at litter time, and increase
your farm profits! For tips, write
us for a copy of "Electric Brood-
ing," published by the U. S. De-
partment of Agriculture. Ask for
Farmer's Bulletin 2039. Address
the Farm Service Editor, Kansas
Farmer, Topeka. Price, 5c.

ABERDEEN-ANGUS
Purebred & Commercial
Sale



DECEMBER 8, 1952
DODGE CITY, KANSAS



Selling 250 Registered Females and 500 Registered Bulls
More than 1,000 Commercial Calves, Yearlings and Cows

For sale information contact,
CHESTER I. BARE, Sale Manager, Protection, Kan.

Sale sponsored by the
Kansas Aberdeen-Angus
Breeders' Association

Mike Wilson for Kansas Farmer

Sunflower Farms ANGUS



Herd Sires:
Ever Prince Revolution 2nd
Homeplace Elleenmere 304th.
Ever Prince of Sunflower.

Cattle of both sexes for sale at all times. We
have bred and sold some of the top winners
and selling cattle at the larger shows and
sales throughout the country. When in need of
good breeding stock pay us a visit.

Sunflower Farms, Everest, Kansas
Jim, Keith and Bob Swartz, Owners

REG. ANGUS BULLS

FOR SALE
6 choice Bulls of good size, grandsons of
Elleenmere 1004, 19 months old and ready for
heavy service. Also my 4-year-old herd bull,
Prinook 1948L, sired by Elleenmere 1004.
This is a very good bull.

RALPH LATZKE
CHAPMAN, KANSAS

FREE CATTLE BOOK



50 pages of profitable
suggestions and
interesting pictures on
selecting, breeding,
fitting and showing
Angus . . . absolutely
free to you. Ask for
"Cattle Raising at its
Best." Put your name
and address on a card
and send now to

AMERICAN ANGUS ASSOCIATION
CHICAGO 9, ILLINOIS

NOW OFFERING YOUNG
ABERDEEN-ANGUS BULLS
Also Cows and Heifers
CHESTNUT & RAILSBACK, Quinter, Kansas

Here Is Low-Cost Advertising!
ONLY 10c A WORD

Kansas Farmer has 118,311 subscribers, and reaches an average
of over four out of every five farm homes in the state. It is printed
twice each month on the first and third Saturday. The Classified
rates are:

Regular Classified—10c a word (12 words Minimum)
Display Classified—\$9.80 a column inch
\$4.90 a half inch

(Black Face Type used in these ads but no cuts)

Mail Your Ad to

KANSAS FARMER

912 Kansas Avenue

Topeka, Kansas

**ONLY
Flock WORMER**

GETS ALL



- 1-Tapeworms*
- 2-Large Roundworms
- 3-Cecal Worms

*Genus Raillietina

DR. SALSBUry'S

Wormal

(Pronounced WORM-ALL)

In Powder Form For
Easy Mixing In The Feed

Won't Retard Growth
Won't Knock Egg Production

HIGH PALATABILITY Assures
Adequate Dosage

**WORM Laying Hens NOW
For Better Egg Production!**

Laying hens in production often do better after worming. Buy safe, effective, low cost, convenient WORMAL at your hatchery, drug or feed store, today. Packaged in sizes to fit your flock; 1 lb. treats 300 growing birds or 200 adult birds. Dr. Salsbury's Laboratories, Charles City, Iowa.

WORMAL removes all three types of worms—gives you all these benefits because it contains three highly effective, safe, compatible drugs! These include...

...Dr. Salsbury's new,
exclusive drug, effective
against Tapeworms—

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Discovered by
DR. SALSBUry'S
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When you need poultry medicines, ask for

Dr.
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SEE YOUR DEALER
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the "Service Station"
LUBRICATION
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ON YOUR FARM!

B-M-B Utility Cutter



- CUTS
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- MOWS

Quickly and easily attached to any 3-point hook-up tractor. Cuts corn stalks, weeds, crop residue, buck brush, heavy growth of all kinds. Cuts a swath 42" or 60" wide, 1-18" high. Operates forward or reverse. Save time! Save work! Save money! If your dealer can't supply you, call or write

BMB COMPANY, INC.
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North Kansas City, Mo., Telephone NOrcray 4700

**Save Money On
This Home Mixed
Cough Syrup**

Big Saving. No Cooking. So Easy.

You'll be surprised how quickly and easily you can relieve coughs due to colds, when you try this splendid recipe. It gives you about four times as much cough medicine for your money, and you'll find it truly wonderful for real relief.

Make a syrup with 2 cups of granulated sugar and one cup of water. No cooking needed. (Or you can use corn syrup or liquid honey, instead of sugar syrup.) Then put 2½ ounces of Pinex (obtained from any drug-gist) in a pint bottle, and fill up with your syrup. This makes a full pint of medicine that will please you by its quick action. It never spoils, and tastes fine—children love it.

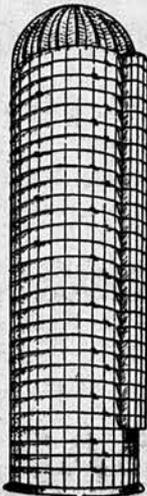
This simple mixture takes right hold of a cough. It loosens the phlegm, soothes the irritated membranes, quickly eases soreness and difficult breathing.

Pinex is a special compound of proven ingredients, in concentrated form, well-known for its quick action in coughs and bronchial irritations. Money refunded if it doesn't please you in every way.

**FOR EXTRA CONVENIENCE GET NEW
READY-MIXED, READY-TO-USE PINEX!**

Buy U. S. Savings Bonds

EXTRA FARM PROFITS



**KSILO
KM**

- ★ WATER-PROOF
- ★ FIRE-PROOF
- ★ VERMIN-PROOF

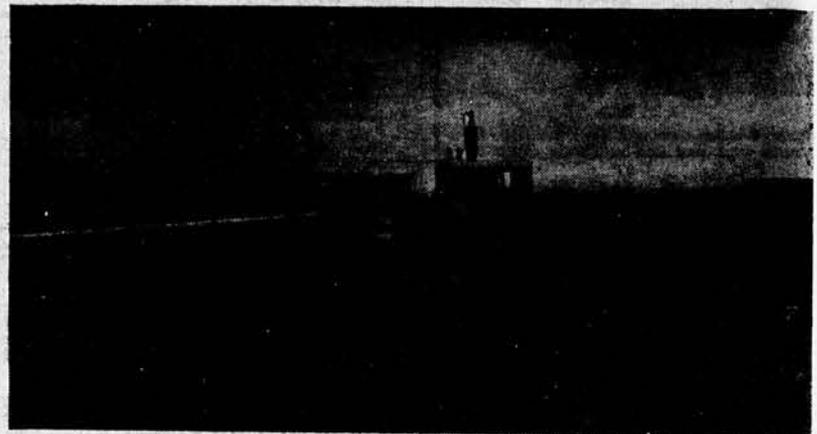
Manufactured by our NEW
METHOD FOR GREATER
STRENGTH — BEAUTY
— DURABILITY.

Liberal Discount for early
orders. Investigate our
payment plan before you
buy—monthly, quarterly or
semi-annually.

Write for complete
information
KANSAS-MISSOURI SILO CO.
624 East 7th St.
Topeka, Kas., Phone 2-2757

What Kind of Irrigation?

(Continued from Page 4)



THIS OUTFIT, powered by propane gas from tank in background, is pumping water from North Cimarron river to sprinkler system on farm of Ray and Jack Julian, Grant county.

the extreme western part of the state, if cost of leveling does not exceed double the cost of a sprinkler outfit. As you come east in the state the benefits swing in favor of the sprinkler type. Here is how Mr. Johnson figured comparative costs of sprinkler and ditch irrigation on an actual application in Southwest Kansas.

Development costs, \$15,100. Fixed costs \$1,243. Operating costs \$1,081. Annual costs per acre for fixed and operating expenses \$14.50.

Surface System

Cost of leveling figured at twice cost of sprinkler distribution system. Development costs \$19,065. Fixed costs \$1,427. Operating costs \$602. Costs per acre for fixed and operating expenses, \$12.68.

It can be seen here that while the original cost was greatest for ditch irrigation, annual costs per acre were less.

Where leveling is needed for ditch irrigation the PMA will refund half or up to \$15 an acre in most counties where irrigation is practical. Fifteen dollars an acre is the maximum repayment regardless of cost.

Wells are always dug on contract. The going price up to this writing has been about \$13 a foot for a 16-inch hole completed, cased and packed.

While the engineer is figuring costs of your irrigation system, the county committee will ask you to contact your local Soil Conservation Service to work out a cropping plan under irrigation practices.

Once you had this cropping plan you would then sit down with the local FHA supervisor, who would help you work out a livestock program that could be supported by the cropping program.

As an example, here is the farming plan finally adopted for Herschel Young, Meade county farmer:

1. A legume rotation will be followed

to maintain nitrogen and organic matter.

2. A systematic sheep program to build ewe flock to 150 by 1954.

3. Rearrange cattle handling and reduce hogs so additional shelter will be available for sheep.

4. Practice pre-season irrigation to distribute labor and pumping over more of the year, thereby being able to put on recommended amounts of water to each field at the right time.

With a farming plan completed your county FHA supervisor then will be ready to submit your loan to the state director for approval. He would recommend to the state director what security should be taken for the loan and suggest length of repayment period.

There is only one basis for approval of your loan, says Walton Dodge, state FHA director. "Will increased production on your farm more than pay for costs of installation and operation? If it will, your chances are good."

When your loan is approved—and they generally are if they get that far—the engineer and county supervisor will oversee purchase and installation of your equipment. SCS technicians will make any survey needed for leveling and help you learn good methods of applying irrigation water for best results.

It is well to remember that by developing irrigation you are going to more than double the cost of farming, and should raise crops that will justify it. Crops considered good by dry land standards are not enough, so you should strive for high efficiency and follow the advice of engineers and technicians who can save you thousands of dollars by keeping you from making mistakes.

But remember, too, that while costs are high, returns are even higher for irrigation, as proved by farmers who have taken the risk. Of more than 100 small farmers who have borrowed thru FHA for irrigation developments since 1946, 48 per cent already have paid off in full.

No. 4 in series of farm biographies
of agricultural "greats" . . .

JARED ELIOT

Jared Eliot, who wrote the first U. S. book on agriculture, was born November 7, 1685, and died April 22, 1763. His "Essays Upon Field Husbandry" were popular, and editions are collector's items.

In his book he wrote 6 essays, at first issued separately in New London, New Haven and New York. They appeared in 1747, 1749, 1751, 1753, 1754 and 1759. An enlarged edition was printed in 1860 in Boston, and others later.

Jared Eliot was a pastor at Killingworth, Conn., from October 26, 1709, until his death—gained fame in several fields while ministering. In 1706 he was graduated from Yale, then taught school, became a minister. Later he became known, too, as a physician, botanist, investigator and philosopher. He introduced the mulberry tree into Connecticut and wrote an essay on the silkworm. He found time, too, to introduce clover into New England states, wrote many articles on agriculture.

TOP POLLED CATTLE
FROM TOP KANSAS HERDS AT THE
FIFTH ANNUAL SHOW & SALE
December 1, 1952
Hutchinson, Kansas

at the fairgrounds

Show at 9:00 A. M. — Sale at 1:00 P. M.

Selling 63 Head — 45 BULLS, 18 FEMALES



Selling offspring of 2 great bulls "Real Plato Domino" and Beau Perfect 246. Practically all bulls selling are of serviceable ages. Females are top quality.

The annual meeting and banquet of the Kansas Polled Hereford Association will be at the Bisonte Hotel, Hutchinson, Kan., at 7:00 p. m., November 30, the evening before the sale. Visitors Welcome.

CONSIGNORS:

CAMPBELL HEREFORD FARM, Burrton
CORNWELL HEREFORD FARM, St. John
ALLEN ENGLER & SONS, Topeka
ERNEST EGGER & SON, Ellis
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GEORGE L. RIFFEL & SON, Hope
LEO SCHRAEDER, Timken
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JOHN STUMPS & SON, Bushton
SUTOR HEREFORD FARMS, Zurich
WESLEY WALKER, Fowler
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ARTHUR WITTOREFF & SONS, Inman
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(Plan to attend the Allen Engler & Sons 4E Ranch Sale at Topeka, November 29.)

For catalogs and information write to

VIC ROTH, Sec.-Mgr., Box 702, Hays, Kan.
KANSAS POLLED HEREFORD ASSOCIATION

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

ANNUAL

POLLED HEREFORD SALE
NOVEMBER 29 — TOPEKA, KAN.

at the 4E Ranch

SELLING 230 LOTS — 82 Bulls, 148 Females

30 Heifer Calves, 30 Yearling Heifers, 40 Cows with calves, 46 Bred Cows, 2 Herd Sires, 2 sons of Beau Perfect 246th, 50 Farm and Range Bulls.

Between now and November 29, we will breed a few sale females to Real Plato Domino Jr., the world's record price Polled Hereford. The heifer calves selling are mostly by Prince Plato and 4-E Ambassador. 8 of the yearling heifers are by P. Royal Duke 37th, a Campbell bred bull. Several of the females that are already bred carry the service of Captain Plato, another son of Real Plato Domino, the sire of Real Plato Domino Jr.

This sale will also include the dispersion of J. C. Campbell Herd

Write for catalog to

PHILIP SANDERS, Sale Manager, Miller, Kan.

or **4E RANCH, TOPEKA, KANSAS**

Mike Wilson for Kansas Farmer

GOLDEN WILLOW RANCH

Annual Sale Reg. Polled Herefords

Friday, November 21, 1952

SALE STARTS AT 1 P. M.

Golden Willow Herd Sires:	Selling 55 Lots
CMR Advance Domino 39th	20 Service-age Bulls
CMR Mischief Dom. 30th	30 Bred Heifers
Silver D Mischief 19th	5 Open Heifers
Beau Battle	

PLAN NOW TO ATTEND THIS SALE

To reach Golden Willow Ranch from Pittsburg, Kan.: 12 miles east from Besse Hotel on highway 126. From Joplin, Mo.: 22 miles north of Conner hotel on highway 43.

Be sure and write us for a sale catalog. Just drop a card or letter to

GOLDEN WILLOW RANCH, Route 1, Liberal, Missouri

George E. Harmon, Rt. 1, Liberal, Mo.—Owners—George K. Brinkman, Bx. 185, Pittsburg, Kan.
Auctioneer—Hamilton James Bert Powell with this Publication



FRANK MATHESON — JAKE REICH & SON
POLLED & HORNED
HEREFORD SALE

Tuesday, Nov. 25, 1952

NATOMA SALE PAVILION

Natoma, Kansas

SALE AT 1:00 C.S.T.

SELLING 60 HEAD — 25 Bulls, 35 Females

JAKE REICH & SON, Paradise, Kan., OFFERING

1 Herd Bull, CRR Leskan 8th, sired by WHR Leskan 5th, the Walbert Ravenstein herd sire. The 8th was 1st place senior calf at the 1949 Kansas Polled Hereford Association Show and Sale. 5 Coming 2-year-old Serviceable-age bulls sired by CRR Leskan 8th and Advance Kendal 189th. 8 Bull calves sired by CRR Leskan 8th and ALF Beau Rollo 79th. We purchased the 79th from John M. Lewis & Sons several years ago at the Kansas Polled Hereford Association Sale at Hutchinson, Kan. 8 Bred Heifers sired by CRR Leskan 8th and Advance Kendal 189th and bred to Advance Domino 201st, son of Advance Kendal 189th. 8 Open Heifers sired by CRR Leskan 8th and ALF Beau Rollo 79th. Practically all of the Jake Reich & Son sale offering are out of polled dams. CRR Leskan 8th sired the grand champion steer of the 1952 Kansas State Fair at Hutchinson, Kan. Calves selling are of like quality.

FRANK MATHESON, Natoma, Kan., OFFERING

11 Coming Yearling Bulls, sired by CK Keystone 8th and M. B. Beau Domino 9th. 5 Bred Cows, sired by CK Keystone 8th and Duke Domino 3d, bred to Perfect Domino 17th, a Polled grandson of Beau Perfect 246th. We purchased the 17th in the 1951 Kansas Polled Hereford Association Sale at Hutchinson from Welch Bros., Garfield, Kan. 14 Open Heifers sired by CK Keystone 8th and M. B. Beau Domino 9th, son of SHF Beau Dom. 34th. In this Matheson offering are top horned calves which will make very good 4-H Club projects.

FOR CATALOG WRITE

VIC ROTH, Sale Manager, Box 702, Hays, Kan.

Freddie Chandler, Auctioneer

Mike Wilson for Kansas Farmer

Sumner County Hereford Breeders' Association
Third Annual Sale of
Horned & Polled Herefords



Monday
Nov. 24, 1952
Wellington, Kansas

at the Municipal Auditorium

Sale at 12:30 P. M.

68 Head Sell

43 Bulls, 23 Females, of which 3 will be sold to only 4-H or FFA members. 2 4-H Club Steers.

CONSIGNORS

SIDNEY TOLES, Caldwell
C. A. CREWS, Argonia
EDD ALBERT, South Haven
GERALD HUNT, Wellington
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HARRY RIFFEL & SON, Hope, Kan.

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1 Herd Sire, grandson of M P Domino 3rd; 5 Cows and 5 Heifer calves, ready to wean. 1 16-month-old Bull, good individual.
Glenn J. Biberstein & Son, Ph. 3708, Attica, Kan.



FOR SALE
POLLED HEREFORD

bulls and heifers from 8 to 18 months old, also 10 cows with calves and heavy springers. These cows are the same breeding as the 1950 and 1951 champion bulls at the State Fair. We will sell one or all.

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Hope, Kansas — Phone: Woodbine 1404

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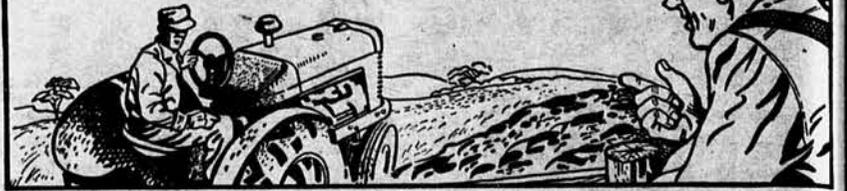
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- Protection against Price Increases
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- The Products You Need When You Need Them

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See your Phillips 66 Tank Truck Driver. Get your order in and save on Phillips 66 Motor Oils, Gear Oils and Greases.

HAVE YOU HEARD?



Notes on New Products and Folks Who Make Them

MASSEY HARRIS CO., Racine, Wisc., announces 3 new combines—including largest capacity combine on wheels. Models 90, 80 and 70 are successors to Super 26 and 27 Models. Models 90 and 80 feature a new hydraulic speed selector which makes possible any number of speeds up to a minimum and maximum size of expanding traction-drive pulleys. Another feature of new models: live axle drive which makes better use of power and effects savings in fuel consumption. Width of cut on Model 90 ranges from 16 to 12 feet; Model 80, 14 to 10, Model 70, 12 to 8½ feet.

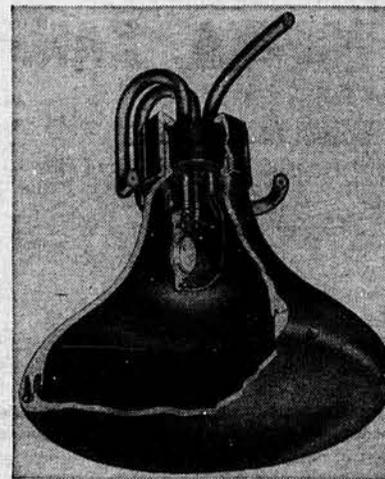
Grip-King is a car accessory—a "sander" that fits in trunk and supplies grit in front of tires. Assures constant safety on wet or slippery roads. Ideal



in wintertime. Saves on tires, and you can pull out of slippery spots, like an icy, steep hill. A switch on steering column operates the Grip-King hopper. Tenna-Lite Corp., 312 West Illinois St., Chicago 10, Ill.

Adams Pig Nurser is designed for practical, sanitary feeding of pigs up to 8 weeks old. Feeds synthetic milk, pig starter or water. Available in 25, 50 or 80-pig capacities. Dodgen & Co., Fort Dodge, Ia.

Rhinehart Stock Tank De-Icer is made of heavy-duty, water-proof plastic. No rust or corrosion is possible. Copper-enclosed 600-watt heating ele-

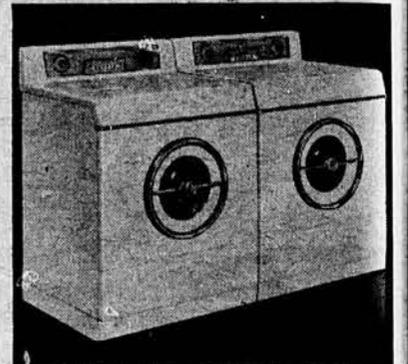


ment has a snap-action thermostat, all located inside plastic-floating unit. De-Icer is safe and easy for animals to nose down to drink. Comes equipped with heavy-duty 6-foot rubber cord. Rhinehart Co., 1127 Polk, Fort Wayne, Ind.

Dodson Mfg. Co., Inc., of Wichita and Concordia have announced purchase of the Interlocking Stave Silo Company interests. All equipment at the Wichita and Cherryvale plants of Interlocking was purchased. Byron M. Radcliff, president of Interlocking, plans to continue in business at 720 N. Santa Fe, Wichita, as a sales and distribution

agency for field harvesters and silo-filling equipment. Leon and Glenn Dodson have been in the silo manufacturing business 43 years.

Bendix Automatic Washer and Dryer is being introduced as part of Bendix Home Appliances 15th anniversary line. Both feature flush-wall mountings that



hide plumbing and venting connections, porcelain work surfaces and jeweled "porthole" doors. Bendix Corp., South Bend, Ind.

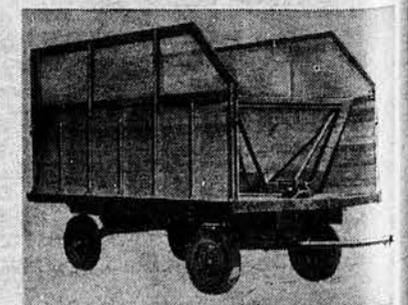
Chas. Pfizer & Co., N. Y., announces a 12½ per cent reduction in price of Terralac, synthetic sow's milk, and a new, small-package size in a 25-pound, multiwall bag. There's no change in formula for Terralac.

Cenco Plastic No Frost Windshield Protector is a plastic sheet, fits any car, protects against ice-covered windshields. Put on in few seconds—nothing to tie or adjust. Car door holds it firmly in place. Central States Paper & Bag Co., 5221 Natural Bridge, St. Louis, Mo.

Keirseley Tilting Chute is the champion calf catcher, says Cusenbary Sales Co., Cunningham. Any job can be done by 1 man, no traveling for branding irons and instruments; no roping, wildest calves handled with ease in chute; there's sturdy, all-metal construction and simplicity of operating mechanism.

Kut 'n' Serv Cake Cutter has stainless steel blades formed in shape of a "V" which cuts cake easily and nicely. Slices remain neatly intact without breaking; fingers don't touch cake. Made by The Fireside Shop, 950-1B Lincolnway East, South Bend, Ind.

Buerkens Corp., Pella, Ia., announce new line of Simplex B wagon boxes—steel reinforced thruout with full swing-



ing endgate which can be locked in full open position. Wagon can be used for corn, small grains, forage, hay and ensilage. Good for hauling sand, gravel, earth. The 26-inch high solid sides are grain tight. Height with screening (see above) is 6 feet, 6 inches. Sides are reinforced so cross-chain support is unnecessary. Shown at front of wagon is the Simplex B "Push-A-Load" hydraulic unloader. Will move a 5-ton load

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TRACTOR SEATS

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He'll look forward to the most comfortable tractor riding of his life with these down-to-earth Knuedler gifts. Tractor Seat removes jolts and jars. Porous seat pad for warm winter riding - cool in summer. Other grand gifts for Dad: Cargo-Deck Tractor Platforms... Ball-Bearing Tractor Wheel Spinners. Ask for them or write for literature...name of nearest dealer.

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Knuedler KNOEDLER MFRS., INC.
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New BEAR CAT
COMBINATION
Grain and Roughage Mill
also Ensilage Cutter

with Adjustable
Drop-Apron
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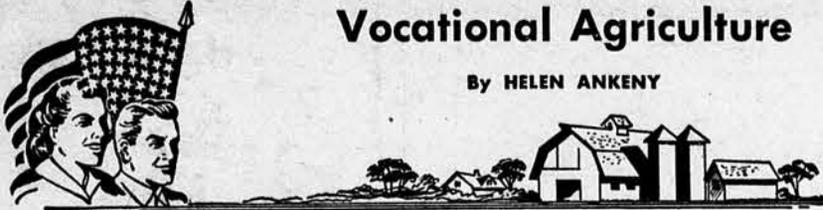
Trailer Mounted for Power Take-Off
Furnished either with or without drop apron feeder and power take-off with trailer as shown. Grinds any feed, green, wet, or dry, snapped or ear corn, roughage bundles or baled flakes, with ordinary farm tractor, — and no monkey business. Has both cutter knives and heavy swing hammers.

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Western Land Roller Co., Dept. 132
Hastings, Nebraska—Manufacturers

Vocational Agriculture

By HELEN ANKENY



WITH Vocational Agriculture offered the first time at Piedmont rural high school, 17 boys recently held their first FFA meeting preparatory to organizing an FFA chapter. Officers elected for the year were Harold Garner, president; Bill Yandell, vice-president; Ralph Lee Lilley, secretary; John Andrews, treasurer; Richard Rader, reporter; Clifford Moore, sentinel; George A. Robinson, advisor. FFA officers from the Howard chapter, Wilbur Hart, advisor, installed the Piedmont officers upon receipt of their chapter charter from the state FFA association.

Triumph wheat at 22.8 bushels per acre was best yielding, and Wichita at 63.5 pounds per bushel was best testing of the 10 wheat varieties test planted at Mitchell county fairgrounds, Beloit, last fall and harvested this summer. Wheat variety tests were made by the Beloit high school Future Farmers and results compiled by Kansas State College department of agronomy.

A trophy for agricultural achievement was given to Olathe Future Farmers by Dr. Harvey Holmes. It will be presented each year to the outstanding FFA member in the chapter. Doctor Holmes, a 1931 graduate of the Olathe high school, is now a veterinarian in Joliet, Ill. The boy winning the trophy will be judged on citizenship, scholarship and school activities. Each year winner of the trophy will have his name inscribed on the back of the 2-foot trophy, which is a slender golden shaft topped with the figure symbolizing victory.

Concordia Future Farmers, W. A. Rawson, instructor, are carrying out something different in the way of a hog-feeding project. Three Duroc pigs were recently given to the chapter by Duroc hog breeder, Blaine Sherwood, when they were just one week old. The pigs have been taught to drink by the Concordia farm boys and are being fed synthetic sow's milk. In this method of hog production baby pigs are weaned at a few days old and it is possible to raise 3 litters of pigs from each sow in place of the usual two. The feed is in powder form and is mixed with warm water and fed every few hours to the baby pigs.

Ten Kansas Future Farmers were among the seventy 1952 winners of Santa Fe railway educational awards, which provided all expenses of the winners while attending the national convention of Future Farmers in Kansas City, October 13 to 16. The 70 winners from the Santa Fe Southwest were guests of the company at a breakfast at the Muehlebach Hotel, October 15.

Kansas boys winning the awards were: Billy Ray James, Clay Center, president of the Kansas FFA Association; Keith E. Shultz, Alma, State Farmer candidate; Robert Ray Watkins, Alma, gold emblem judge in state contest; Harrell Guard, Beloit, vice-president, Kansas FFA; Kermit Case, Little River, reporter, Kansas FFA; and Ralph Braun, Council Grove, secretary of Kansas FFA. Kermit Case, who will attend Kansas State College this fall, also was winner of a scholarship offered by Sears Roebuck Foundation, Chicago.

Kilowatt Kollege, sponsored by the Kansas Power & Light Company, Topeka, opened its 1952-53 circuit with a one week's stand in the Vocational Agriculture department of Shawnee Mission. The Kollege consisted of large panels set up to demonstrate proper use of electricity and electrical appli-

ances. By means of large dialed meters it was possible to study power consumption of various appliances. Correct wiring principles also were shown. "All in all," said reporter Dick Jorgensen, "it was very educational and worthwhile to those interested, and who isn't interested in electricity these days?"

Forty-five California Future Farmers and their adult leaders attending the national FFA convention in Kansas City, were guests Monday, October 13, of the Shawnee Mission Future Farmers and their advisor, H. D. Garver. The group were guests of the Shawnee Mission Sertoma club at a noon luncheon, and were later taken on a tour of the high school and 4 surrounding farms. A similar visit was made just 4 years ago by California Future Farmers.

A corn show for 5 neighboring FFA chapters was held by Osage City Future Farmers, October 9. It featured corn samples grown by Future Farmers attending the show. Bobby Lane, of Osage, winner of a blue ribbon on his large sample of yellow corn, will exhibit the sample at the National Corn Show at Chicago. Richard Reese's sample of white corn received reserve champion exhibitor ribbon, and his sample also will go to Chicago. A corn judging contest was held in connection with the show. Raymond Latimer is Vocational Agriculture instructor at Osage City.

Thru the courtesy of Horn Brothers, Chevrolet dealers at Glasco, the Glasco Future Farmers and their advisor, John Cragun, now own a new half-ton pickup, which will be used by Cragun and his Future Farmers for supervision of the Vocational Agriculture boys' farming programs, class field trips, project tours, judging trips, leadership schools and light hauling. The Glasco school authorities are very grateful to Horn Brothers and feel another big step forward has been made in co-operation between business men, farmers, the Vocational Agriculture department and the high school as well.

A squeeze chute, built by members of veterans-on-the-farm training class of Bird City Vocational Agriculture department, recently was turned over to the Bird City Future Farmers who will rent it out to people in the community for a small fee.

Almena Future Farmers and their instructor, Sam Stenzel, recently painted the classroom of the new Almena Vocational Agriculture building and moved into the new building. The Almena farm boys plan to shock about 60 acres of feed for farmers in the community to help finance their chapter activities for the year.

Shawnee Future Farmers, Gene New, Nick Hoge, Bill Jorgensen, Dick Jorgensen, Carlyle Thompson and Jack Meyers, put on a special stunt to encourage people to register, recently at one of their night high school football games.

FFA winners in the first land judging school held in Bourbon county this month were: First, Edgar Gannon; second, Duane Query; and Raymond Kalm, Garland and Richard Hixon, tied for third place. The morning meeting held in co-operation with the Bourbon county soil conservation district, was spent in discussing points to look for in actual judging of land. In the afternoon, the group got actual education experience judging fields at the Frank Embury farm west of Fort Scott.

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1627 Dierks Bldg., Kansas City 6, Mo.

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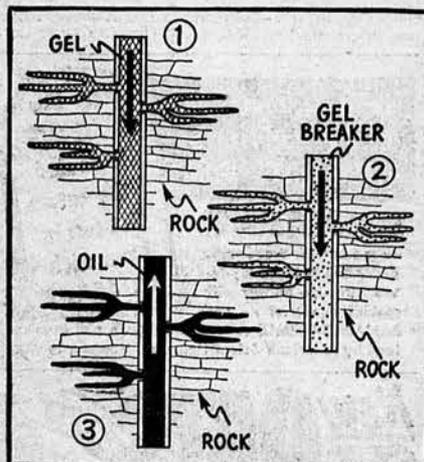
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RESEARCH GOES ON improving the "Hydrafrac" process. In a laboratory, G. C. Howard shows the principle of the process by fracturing a rock specimen with an improved Napalm "gel." Pressure has hit 1,600 pounds per square inch on the "gel." Only through continuous experimentation and testing can research scientists develop new and improved processes.



RESEARCH GOES ON to help G. P. Gilbert, Standard Oil's Agent at Sheridan, Illinois, supply the many petroleum products needed by farm customers like Ollie Morsch, RFD, Serena, Illinois. Ollie has been buying Standard Oil products for 26 years because, he says, "they have never let me down, and I have had the best service a man could ask."

