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JANUARY 16, 1954

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Kansas Farmer

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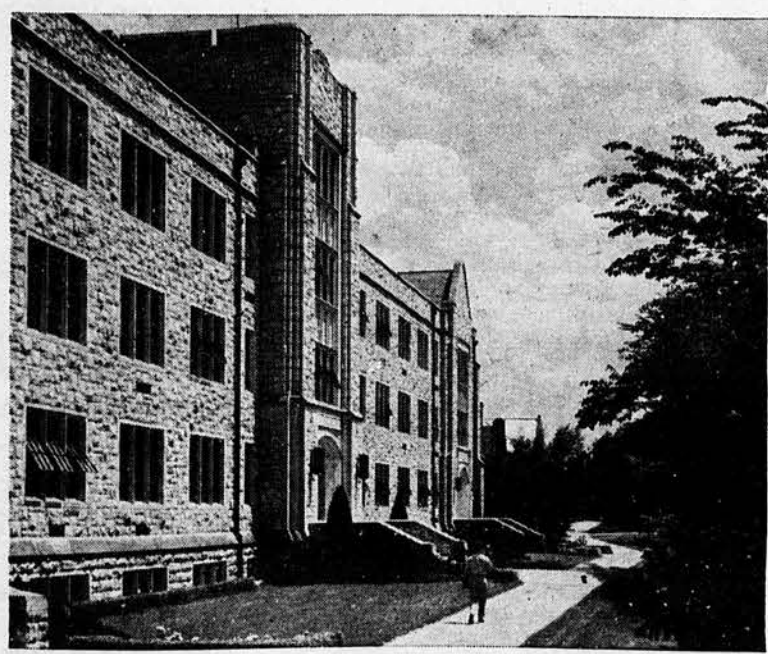
Kansas State College Invites You to

86th ANNUAL FARM AND HOME WEEK

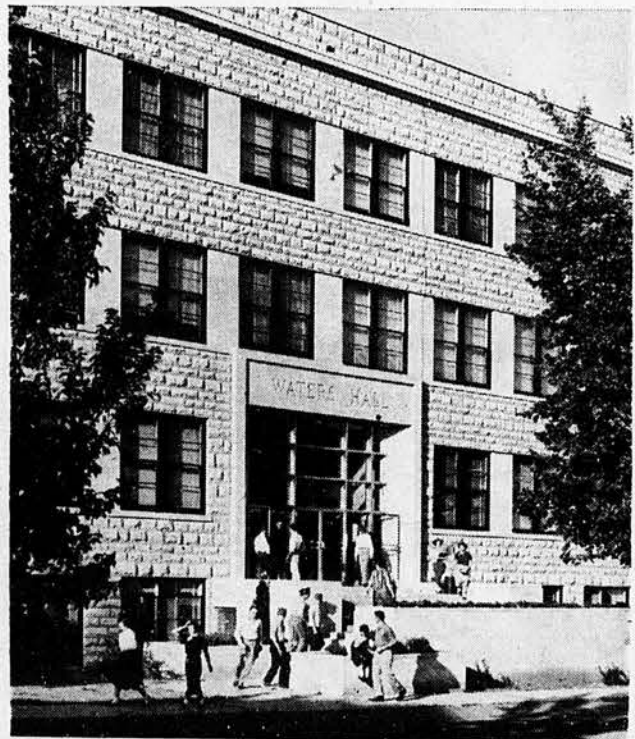
February 1, 2, 3, 4 (See Page 10)

THIS FAMOUS VIEW of administration building at Kansas State College brings back fond memories for every old grad and former student. It is a favorite meeting place for Farm and Home Week Visitors.

ENTRANCE TO NEW wing of Waters Hall is thru this attractive doorway. New wing completely fills area between East and West Waters Hall buildings.



LOOKING SOUTH from East Waters Hall past science building, one of many new buildings on Kansas State College campus.



- **Is Your Farm Lease Fair?** Page 4
- **Farm Safety Winners** Page 18
- **Farming for Profit** Page 24

BETTER TASTE BEGINS ON THE FARM



"Proud of His Crop," by Irwin Hoffman

Painted from life in the tobacco country

Yes, better taste begins with fine tobacco and

LUCKIES TASTE BETTER!

You, better than anyone, can appreciate the fact that better taste in all things grown begins on the farm. Luckies' better taste begins with the fine, light, mild tobacco for which they are famous. L.S./M.F.T.—Lucky Strike means fine tobacco. Yes, Luckies taste better because they're made of fine tobacco and they're made better. So, Be Happy—Go Lucky!



© A. T. Co. The American Tobacco Company AMERICA'S LEADING MANUFACTURER OF CIGARETTES



KANSAS FARM FOLKS

Riley County: Henry Bayer, of Route 1 west of Manhattan in Eureka Valley, has a new detention dam. About 300 acres of steep pasture land drain thru a ravine and across their Kansas river bottomland. A ditch thru the bottomland partially carried the water to the river. The dam was designed by SCS engineers to hold 12 feet of permanent water and a 6-inch rain on their drainage area. The 18-inch tube thru the dam starts draining water out when water rises above 12 feet. If a rain exceeded 6 inches, water would flow over the 33-foot spillway. The Bayers' say they've needed their new dam for years, are anxious for a big rain to try it out!

Morton County: Farmers living in the territory north of the Cimarron river in Morton county have a new operator of the Elkhart Telephone Exchange—the Pioneer Telephone Association, Inc., of Ulysses.

Cheyenne County: Thad Douthit, rancher in the county, recently constructed a new barn which is divided into pens to aid in grooming his registered Herefords for sales and shows. It has a wash rack and feed room in one end and can be converted into an emergency grain storage unit.

Crawford County: Crawford and Cherokee counties held a joint beef day—"From Hoof to Platter" late last month at the Hull and Dillon Packing Plant in Pittsburg. A similar event was held last spring, on hogs, and a lot of good comments came from the events, says James Sturdevant, county agent. At the beef show men graded live cattle, both fat and stocker, and carcass grades and retail cuts.

Elk County: "I wouldn't take anything for this building, because I've got a lot of good out of it already," says Louis Ollenberger, Grenola, about his recently-completed machinery shed. He built a Quonset-type 40- by 60-foot, machinery shed and farm shop. He did all the labor himself except "running" the concrete floor. The barn, which sets on a 2-foot footer, has a new cedar windbreak established on the west side. This makes the barn ideal for winter shop chores and repair jobs.

Elk County: Just like having city water on the ranch," comments Tom Baughman, Elk Falls, part owner of the O. and B. Ranch, about his automatic pressure pump. It pumps about 500 gallons per minute from an 8-inch hole (6-inch casing). "Force of the water is equivalent to city water pressure," he says. The pump, which is housed in a cement block house, carries a stream of water 75 feet uphill to a stock tank in the feed lot.

Elk County: "Ammonium nitrate applied as a top-dressing really paid off for me even in a dry year," commented Guy Denton, Howard. He top-dressed his brome in 1952 with 100 pounds of ammonium nitrate per acre. John Maxwell, county agent, says "Mr. Denton pastured his brome heavily for 60 days, combined 250 pounds of seed and baled a ton of hay per acre!"

Kansan Invents New Disk Sharpener

A Kansas farmer-inventor of near Mullinville, Clair McElwain, has learned patents have been granted him on a new type of farm disk sharpener. A portable machine, the sharpener will

roll disks on plows in the field without inconvenience of having to remove them from the implement. His sharpener is exclusive as a roller-type sharpener. Sharpeners now in use in America are all of the grinder type. Mr. Elwain uses a truck motor to power electric model.

Appoint Dean Williams

New member of the organization policy committee of the Extension of the American Association of Land Grant Colleges and Universities is L. C. Williams, director of the Kansas State College Agricultural Extension service. He was chosen at a meeting at Columbus, O.

New Youth Director

New Rural Youth Director for Kansas Farm Bureau is Frank Anderson, Jr., former county 4-H agent, Russell county. He is a 1950 graduate of Kansas State College. He taught Vocational Agriculture at Wilson, following his graduation. He has served 2 years in the U. S. Navy. His office is at Manhattan.

Name Fred Sykes

Named to head SCS work in Kansas under the reorganization of the Conservation Service is Fred J. Sykes, Salina. The USDA also announced SCS staffs in state offices will be increased to enable them to carry additional responsibilities and work in seven regional offices have been established. Mr. Sykes is present state Conservationist.

Name a Kansan To Federal Job

One of 12 members of the Federal Farm Credit Board is Herb Clute, Holcomb. Board members serve on a part-time basis, to direct policies of the Farm Co-operative Credit System. Farmers so far have invested 180 million dollars in the system, which has reserves totaling 527 million dollars. The System announces \$2,000,000 were lent to U. S. farmers' co-operatives in the 1953 year.

KANSAS FARMER

Continuing Mail & Breeze

ARTHUR CAPPER... Publisher (1893-1968)
121-123 West 8th St. Topeka, Kan.
Vol. 91, No. 2

H. S. BLAKE... President and Publisher
Raymond H. Gilkeson... Associate Editor
Dick Mann... Associate Editor
Gordon West... Associate Editor
Carl Eiche... Associate Editor
Florence McKinney... Women's Editor
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J. M. Parks... Protective Services Editor
Scherl L. Walquist... Advertising Manager
A. E. Carson... Circulation Manager

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Three years, \$1; one year, 50 cents. Copyright 1953.

Now! Better Than Ever...

New Process FERVITE FERTILIZER

THE FERTILIZER THAT PRODUCED AMAZING RESULTS LIKE THESE IS NOW EVEN BETTER!



Joe Atwood, right, of Topeka, Kansas, shows the difference Fervite Fertilizer made on his oat crop last year.

JOE ATWOOD GETS GOOD RESULTS ON LOW FERTILITY FIELD!

Fervite Fertilizer Builds Yield, Boosts Profits—and New Fervite Is Created To Do An Even Better Job!

A Poor Field usually means a poor yield, and Joe Atwood's land surely needed help! A non-treated test strip produced only 14 bu. of oats per acre. Then, Joe added 230 lbs. of Fervite 15-15-0 and the yield jumped to 1 1/2 bu. acre!

That Was An Increase of 37 1/2 bu. per acre on poor land! And, if new process Fervite had been available when, Joe Atwood may have gotten even better results!

One of Joe's Better Fields produced 33 bu. of oats per acre without fertilizer, but Joe Atwood wasn't satisfied with that. 250 lbs. of Fervite 15-15-0 made the oat yield zoom to 76 bu. acre! That gave Joe an increase of 43 bu. per acre... a net profit of \$34.11 an acre at a cost of \$11.45!

Joe Will Tell You it pays big to fertilize with Fervite, and we'll bet Joe would recommend Fervite stronger than ever, now that it's even further

Brady Ferguson Proved FERVITE May Increase Oat Crop Yield 300%! New Process FERVITE Could Have Done Even Better Job!

The Non-Fertilized Strips on Brady Ferguson's Clay Center, Kansas, farm produced 23 bu. of oats per acre. But, Brady tried 200 lbs. of Fervite 15-15-0 on his land and the yield shot up to 91 bu. per acre—68 extra bushels per acre just by using Fervite Fertilizer!



improved! Make sure you get all the profits your land can pay with the help of new process Fervite Fertilizer!

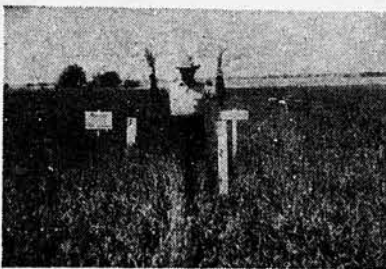
Southeast Kansas Farmer Increases Oat Yield By 41 Bu. Acre Evert Rose Found Plenty of Fervite Fertilizer Gave A Plenty Big Oat Crop!

Cost Per Acre on the Evert Rose oat fertility test amounted to \$12.00 for a profit of \$32.80! That's money well spent, especially when you figure that yield jumped from 31.5 bu. per acre to 72.5 bu. per acre by adding 270 lbs. of Fervite 10-20-10!

Evert Found It Pays to use enough Fervite to do the job. And, when you start using new process Fervite Fertilizer, you still have to use all that your land needs to get the payoff you want! Here's the way Fervite 10-20-10 paid off for Evert Rose last year:

TREATMENT	YIELD PER ACRE	INCREASE PER ACRE
No Treatment	31.5 bu.	0 bu.
263 lbs. 10-20-10	61.42 bu.	29.92 bu.
270 lbs. 10-20-10	72.5 bu.	41.0 bu.

Get those extra dollars per acre from your oat crop this year by fertilizing with new process Fervite Fertilizer—it's better than ever!



Look at the difference in height of the oats that were not fertilized, and those that Evert Rose fertilized with 270 lbs. of Fervite 10-20-10.

It Cost Brady \$9.00 an acre to fertilize and he took out a profit of \$52.50! And, now that new process Fervite is available, Brady Ferguson can count on even better results when he uses Fervite Fertilizer!

Make Extra Profits on your cash crops every year by giving your land a chance to pay you as much as it can. Join the hundreds of leading farmers who are switching to new process fertilizer for the best crops they've ever harvested!

Brady Ferguson of Clay Center, Kansas, shows the reason why he's a booster for Fervite Fertilizer.



\$10000 Invested in FERVITE FERTILIZER on Each of 36 Oat Fields Returned an Average of \$34756!

Good results? Sure they are! The farmers who used Fervite, got results like these, now swear Fervite Fertilizer can't be beat! But, we've made Fervite even Better by a special, new manufacturing process! New Fervite Fertilizer is made to give the Best possible blend our staff of fertilizer technicians can produce! Yes, New Fervite now gives you even better drillability and results... and here's why:

New Fervite Fertilizer Contains several forms of nitrogen, ammonium phosphates and potash together with calcium, sulfur and many other highly important plant nutrients! By a special manufacturing process, the basic ingredients are evenly distributed throughout every small pellet! You get more uniform fertilization than with many other types of fertilizer now on the market!

Packed in 80 lb. Bags, New Fervite Fertilizer is easy to handle! You'll find it's simple to store, easy to carry! What's more, New Fervite Fertilizer resists caking! A special ammoniation process used in manufacturing actually helps Fervite fight off moisture! If properly stored, New Fervite may stay in just-purchased condition for a year or more!

New Fervite Fertilizer Spreads Easily! Free-flowing in the drill, new Fervite helps take the work out of spreading! And remember, new Fervite Fertilizer is a high analysis blend made in Kansas especially for Kansas soil conditions! Join the hundreds of other successful Kansas farmers who have learned how to get early maturity and improved crop quality by easy, low-cost fertilization! Find out how new Fervite can boost profits from your oat crop even higher this year! Try Fervite Fertilizer—made with a special new process!

Brome Grass Just Won't Grow Without Fervite Fertilizer!

Charley Todd Proved The Value of FERVITE—and New Process FERVITE FERTILIZER Is Even Better!

Charley Todd Found Out what a big dollars-and-cents difference Fervite Fertilizer can make in crops! He set up a brome grass test strip on his land, and the results were enough to make a man use Fervite on everything from oats to orchards!

On The No-Treatment Area there just wasn't any brome, while the land treated with 200 lbs. per acre of Fervite 15-15-0 showed a tremendous growth. For proof, just look at this picture!



Chester Todd, right, and his three younger brothers show the result of brome growth tests run on their father's farm.

You Can Make EXTRA Profits from any Kansas crop with the help of Fervite Fertilizer! In fact, you'll find that pasture, fruit and even marginal land pay even more this year when you combine good farming methods with new process Fervite Fertilizer!

THERE'S A NEW PROCESS FERVITE FERTILIZER MADE IN THE EXACT GRADE YOU WANT FOR YOUR PARTICULAR SOIL:

8-24-8 8-32-0
10-20-0 10-20-10
15-15-0

SNYDER CHEMICAL COMPANY

INC.

TOPEKA, KANSAS

HUTCHINSON, KANSAS



Are You Sure Your Farm Lease Is Not Out-of-Date?

By WILFRED H. PINE
Kansas State College

LANDLORDS and tenants generally are satisfied if they have fair and equitable leases. Also, a good lease will encourage the most profitable use of resources. Equitable means sharing returns in the same proportion as costs are shared. There are cases in which equitable sharing is not the primary goal. A father-son arrangement may provide for the father to pay a larger share of costs than his returns to help the son get established in farming.

Leases should encourage profitable farming. The amount of income from the farm depends on how well such resources as land, machinery, and labor, are brought together. In leasing, landlords and tenants combine their resources. The larger the total income the larger will be the amount available for each party. The lease arrangement should encourage profitable farming.

Principal decisions in making the most profit on rented farms are: (1) What to produce and how much to produce, (2) what is to be furnished by the landlord and what is to be furnished by the tenant, and (3) what lease arrangement will encourage the 2 parties to work together long enough for the most profitable use of their resources. All farmers are concerned about what to produce. For rented farms the decision might be made by either landlord or tenant or both.

Several years often are required for profitable farming. How long the 2 parties will work together depends largely on equitable sharing of costs and returns. Several years may be required to develop rotations, make full use of some kinds of fertilizers, or to develop a dairy herd or a beef cattle enterprise. One or both parties probably will not be interested in incurring costs if the lease might terminate before all benefits are received. Almost two thirds of the leases in Kansas are for one year, yet the average length of occupancy is 8 years. Most leases then could just as well have been written

RAPID CHANGES in farming methods and economics are in some cases throwing farm leases out of balance. This article should help you re-evaluate your own farm lease.

for longer terms, altho most landlords and tenants might want a 1-year lease until they get acquainted.

Returns and costs are shared in the same proportion in equitable leases. What each party is to furnish and what share of the returns each



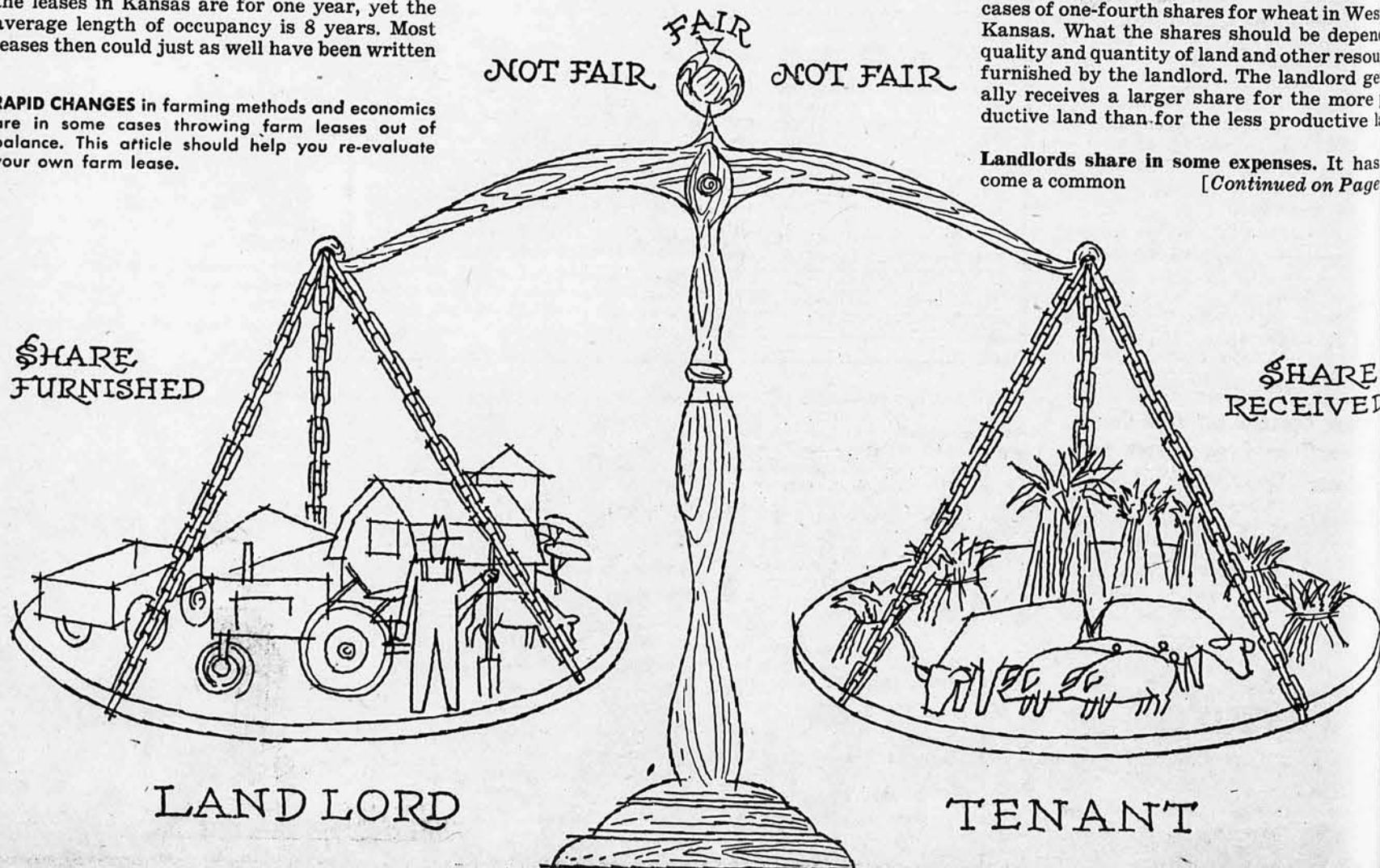
WILFRED H. PINE, professor of agricultural economics, Kansas State College, and Agricultural economist, Kansas Agricultural Experiment Station, is in charge of teaching and research in land economics.

is to receive may be based on either established custom, or on an estimate of the value of what each is to furnish and sharing the returns accordingly. Use of custom assumes that over a period of years farmers arrive at equitable arrangements. For the second method information on costs or expected expenditures is needed. Such information may not always be easy to obtain and some work is involved. However, this is the sound way to determine equitable arrangements for a particular farm.

Customary sharing arrangements should be used with caution. Methods of farming are changing rapidly. Kansas farmers are using tractors instead of workstock, new fertilizers, chemical weed killers, the pickup baler, artificial insemination, dehydrated alfalfa, and other new developments which have affected costs. No custom has been established for sharing of the changes, and in other cases customs are far behind and are no longer equitable. Studies show that cash and share rents have been increasing as a result of the relatively profitable conditions in the 1940's. However, rents did not start to increase until awhile after income had increased. When incomes start declining, rent payments will not change for awhile. This is one of the troubles in using customary arrangements and is a reason for using custom with caution.

Crop shares usually vary from one third to one half. Ninety per cent of farm leases in Kansas involve sharing crops or livestock. One third is the most common share paid to landlords for grain crops and soybeans. For corn the share is larger in a greater proportion of cases than for wheat, oats and soybeans. Also, shares are larger in Northeastern Kansas than in Southeastern or Western Kansas. There are a few cases of one-fourth shares for wheat in Western Kansas. What the shares should be depends on quality and quantity of land and other resources furnished by the landlord. The landlord generally receives a larger share for the more productive land than for the less productive land.

Landlords share in some expenses. It has become a common [Continued on Page 5]



Kansas Farmer

News and Comment

The Needs of Children

IDS OF CHILDREN always are uppermost in the minds of parents. For that reason you will be interested in what one educator believes are the basic needs of youth. He is W. D. Wolfe, superintendent of schools at Lawrence, and currently president of the Kansas Society for Exceptional Children. Speaking before a group of businessmen in Topeka he said in part: "We need to understand children. Parents and teachers do not understand them—but not enough. We should understand children think only in the immediate future. We are too inclined to impose on them our emotional feelings."

Children need respect for discipline and authority—that's real discipline when a child has respect for you. You can't force it like they can't do in dictator countries. We always have had the problem of discipline for children. There are certain basic needs—if we are going to live in a democratic society that meets the needs of all—which must be recognized by parents, teachers, lawyers, all of us." Naming the seven basic needs Mr. Wolfe included:

Love, sacrificial love. Children who find love in their homes have a better chance to live and make progress.

Need to achieve or to attain by one's own effort. Nothing is so depressing as constant failure. We should shape our educational system so children can achieve—set up objectives in school to meet the needs of all boys and girls for their full development; enable children to develop to their own capacities and abilities.

Economic security—develop a feeling of security in the family and family life.

Freedom from fear. Fear is the chief cause of emotional instability. Fear of not being able to find one's own place in life.

Freedom from a sense of excessive guilt. A report card can be one cause of this trouble and even lead to family tragedy; if a child's low grades are made the basis for criticism instead of understanding help.

Need to share and belong, be needed and be part of living. Let the child help and feel a part of the family even if he does break dishes he is drying. A child needs to be loved, not rejected. It is a deadening experience to a child to be rejected. He must feel he is wanted, welcome.

Need to explore. It isn't necessary or wise to conform to everyone else. Children should have the opportunity to do things—play on their own, form associations, choose leadership. Let them use their own initiative. Don't make children feel different, the speaker said, because then they become confused. This leads to failure in their work. Let them expand and perhaps even do better their own way. Give them opportunity to explore. Let them

find their own goals, and guide them toward those goals.

Superintendent Wolfe said he feels schools are doing a better job with these seven basic needs of children than was being done 20 years ago. Indicating there is much still to be done, he urged more patience and deeper understanding of children, because they have a great many problems ahead of them.

Because these seven basic needs of children are better understood in farm families than in almost any other group, we say fortunate are the boys and girls who are born on the farm. Without exception, in our thousands of farm visits we have found children the recipients of deepest parental love. The pride with which parents speak of their children is inspiring.

As for opportunities to achieve, farm children have them at every hand. Records of 4-H Club members and Vocational Agriculture students are volumes of achievement. The whole environment of farm living seems to aid in a feeling of security and freedom from fear. Having milked plenty of cows in my youth, I can vouch for the fact farm children feel they are needed. And there certainly are excellent opportunities for farm children to explore, find out for themselves about growing things. And if the child's goal is to own a farm and produce, he surely has expert guidance in his parents.

But since there always is room for improvement, and eternal vigilance is the price of victory with these 7 basic needs of children, farm parents will not be found wanting.

A Joy Thruout Life

FOR THE LAST 4 YEARS *Kansas Farmer* has sponsored a story-writing contest for farm boys and girls because our home editor, Florence McKinney, believes in more and better books for farm folks. And moreover, she believes the place to begin reading, which will be a joy thruout life, is with little folks. And what does a story-writing contest have to do with more and better books? It's simply a means to an end.



Florence McKinney
Home Editor,
Kansas Farmer

Seventh and eighth graders write the stories, the home editor, with some help from other editors in the final sifting, rates them, the winners get cash and books for their school libraries.

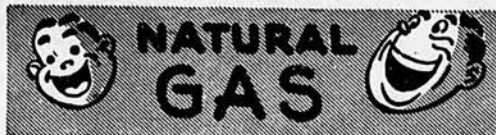
We get hundreds of stories and only one from a school at that . . . the best one. The contest has the backing of school authorities and library folks.

We're starting another contest right now. For the rules and all the details turn over to the home department in this issue. Florence McKinney, our home editor, will be happy to get piles of stories again this year.

Urges "Soil Fertility Bank"

SAVING FOR A RAINY DAY got a modern twist to it at the Farm Bureau Federation's recent annual meeting in Chicago. This distinguished organization of farm people recommends a "Soil Fertility Bank," brought about by stockpiling fertility in the soil. "A reserve of soil fertility can be readily shifted from conservation uses into production as needed in the event of war or other national calamity. This is in contrast to wasteful and costly storage of accumulated surplus commodities at the consumers' expense," the Bureau said.

"A soil 'fertility bank' should be established



"Betty, that surely is a beautiful ring! What size is the diamond?"

"The 15-year installment size, Joanie!"

"Now I know how a man feels after he pays his taxes," said the sheep after a shearing.

"Best way to train a 12-year-old boy to keep his shirttail tucked in is to sew white lace ruffles on the bottom of it!"

"Dad: Sonny, has our company come yet?"

"Sonny: Guess not. I'm still dirty."

"It's good to keep a budget. That's a method of worrying before you spend your money instead of afterwards only."

"I'm going to call on a doctor this afternoon."

"Why, Jack, what's the matter?"

"He owes me 3 months' rent!"

by placing limitations on use that can be made of 'diverted acres' resulting from marketing quota programs, and by requiring farmers to devote a percentage of their cropland to soil-improving crops or practices as a condition of eligibility for conservation payments or price support loans. This will serve the twofold purpose of reducing or avoiding excess production of soil-depleting crops and at the same time building up soil fertility."

Especially for Farm Folks

YOU WILL BE interested in the 38th biennial report of the Kansas State Board of Agriculture. It is a book you will wish to keep in your home for frequent reference. It certainly would be a valuable addition to school libraries. Done up in a very colorful cover of Kansas farm scenes, it brings you a detailed account of important happenings in agriculture during 1951 and 1952. It is free to farm people, so if you want a copy just write the *Kansas Farmer* editor for one.

The book gives you highlights of the 2-year period, tells how the new Board of Agriculture laboratory serves you, explains progress of irrigation in Kansas, recalls the floods, shows how sorghums can replace wheat, answers a question about potatoes, relates new dairy headway, has something interesting on electricity, takes up that sanitary grain program, remembers good friends, and is packed with useful information about every division of the State Board of Agriculture. Frankly, the supply isn't too large, so we suggest you get in your request for your free copy immediately. Just drop it to the Editor, *Kansas Farmer*, Topeka, and it will receive prompt attention.

Raymond H. Gilkeson, Editor



"Remember how excited we were when she spoke her first word?"



"I'm afraid he's not going to have much of a head for business."



Now to help your dog
work better...

Feed your dog as well as you feed your stock

Scraps may fill him up—but you can be
starving him of vital Livium his system needs.

You wouldn't think of feeding your
livestock a skimpy, hit or miss
ration.

Well, table scraps can't do a good
job of feeding your dog—any more
than slops and acorns would do for
your hogs.

You can actually be starving your
dog for vital nutrients if you still
hold to "scrap" feeding.

So, the folks who make those fine
Nutrena farm feeds have studied the
problem of feeding hard-working
farm dogs, and they've come up with
a complete, balanced ration for dogs
that's economical and easy to feed.

You folks who have been feeding
livestock on Nutrena feeds know how
important Nutrena's Livium can be.
Well, Nutrena Dog Food is stepped
up with a special Livium for Dogs
that rounds out this complete bal-
ance of nourishing, health producing
ingredients.

Your dog will really go for Nu-
trenna, too. It contains new "Silent
Scent". You can't smell it, but your
dog can... and it makes him eat it.

You'll probably never have a bet-
ter friend or a harder worker than
that dog of yours. Don't make him
exist on a diet of scraps when he can
be a healthier happier dog on Nu-
trenna Dog Food.

GUARANTEED ANALYSIS OF NUTRENA DOG FOOD	
PROTEIN	27%
CARBOHYDRATES	44%
CALCIUM	2.38%
VITAMIN A	4000 IU/LB
VITAMIN B-12	16 mcg/LB
VITAMIN D	1000 IU/LB

Nutrena ranks high in nutrition in
every one of six vital food value
factors needed for growth.



"Silent Scent"—A new aroma dis-
covery that makes dogs eat Nutrena
—when they turn down other dry
dog foods—is in both Nutrena Meal
and Nuggets. Ask your Nutrena
dealer for a 25-lb. or 50-lb. bag.
(Also available in 2 lb. and 5 lb.
boxes.) (Advertisement)

Here Are 1953 4-H State Project Champions



Barbara Lowe
Food Preparation
Cowley County



Alice Heim
Electricity
Leavenworth County



Joan David
Clothing
Cowley County



Gerald Coleman
Gardening
Reno County



Patricia Swenson
Canning
Rice County



Roy Lee Thomas
Field Crops
Wilson County



Marcia Bishop
Dress Revue
Sedgwick County



Edwin C. Cotner
Poultry
Montgomery County



Ann Elias
Home Improvement
Rush County



Richard Hahn
Health
Saline County



Carolyn Myers
Girls' Record
McPherson County



James Hundley
Tractor Maintenance
Atchison County



Karen Jo West
Dairy Foods
Demonstration
Rush County



Elizabeth Dahlsten
Dairy Foods
Demonstration
McPherson County



Mary Jo Bengston
Dairy Foods
Demonstration
McPherson County



Marguerite Jahnh
Bread
Demonstration
Geary County



Harold Swearingen
Landscaping
Montgomery County



Dwight Bennett
Safety
Rice County



Pat Ringle
Frozen Foods
Montgomery County



Delmar Conner
Dairy Achievement
Rice County



Gary Neilan
Leadership
Cheyenne County



Shirley Suderman
Leadership
Marion County



Clark Schartz
Entomology
Barton County

PREPARE FOR THAT RAINY DAY!

To weather out severe drouths and other farm problems, a farmer needs
a good financial footing. (He needs to be a good business man in addition
to a worker and an applier of scientific methods.)

To help build up a reserve fund, invest part of each year's earnings in
U. S. Savings Bonds. Besides helping yourself, you help your government
in sounder handling of national finances. Such bonds are just about the
world's safest investment!



Kansas Dealers

ABILENE—Cruse Tractor Co.
ANTHONY—Williams Tractor Co.
ASHLAND—Fellers Motor Co.
ATCHISON—Touslee Tractor & Impl. Co.

BELLEVILLE—Rooney Implement Co.
BELOIT—Fuller Equipment Co.

CLAY CENTER—Primrose Tractor Co.
CLYDE—George Motor Company
COLBY—Harrison Motors
COUNCIL GROVE—Wood Implement & Motor Co., Inc.

DODGE CITY—Layman Farm Supply Co.

ELLSWORTH—
Weinhold Farm Equipment Co.
EL DORADO—Janney Trac. & Impl. Co.
EMPORIA—Wilson Implement Co.
EUREKA—Bush Tractor & Impl. Co.

FLORENCE—Roberts Machinery Co.

GARDEN CITY—Burtis-Nunn Impl. Co.
GRAINFIELD—Shaw Motor Co.
GREAT BEND—
Schumacher Farm Equipment Co.
GREENSBURG—Gupton Motor Co.

HAYS—Drelling Implement Co.
HILL CITY—Lewis Motor Co.
HOWARD—Bryan Tractor & Impl. Co.
HUGOTON—Hugoton Trac. & Impl. Co.
HUTCHINSON—Chas. A. Rayl Impl. Co.

JAMESTOWN—Elniff Motor Co.

KINGMAN—Staley Tractor Co.
KINSLEY—Walters Tractor & Impl. Co.
KIOWA—Lawson Tractor & Impl. Co.

LACROSSE—Luft Implements
LARNED—Michael-Roberts Mach. Co.
LAWRENCE—Kaw Valley Impl. Co.
LEAVENWORTH—
Boiling Tractor & Implement Co.
LEONARDVILLE—Stafford Motor Co.
LIBERAL—Southwest Trac. & Equip. Co.
LINCOLN—J. G. Miller Motor Co.
LUCAS—Lucas Equipment Co.

MCPHERSON—Astile Tractor Co.
MANHATTAN—
Crum-McManis Tractor & Impl. Co.
MARION—
Midwest Tractor Sales & Service, Inc.
MARYSVILLE—Anderson-Boss Impl. Co.
MEADE—Wolfe Motor Co., Inc.
MEDICINE LODGE—
Sprout Tractor & Implement Co.

NESS CITY—Roth-Beutler Tractor Co.
NEWTON—Astile Implement Co.
NORTON—Fredde Brothers Equip. Co.

OBERLIN—Kump Motor Co.
OLATHE—Perrin Machinery Co.
ONAGA—Wentz Tractor & Impl. Co.
OSAGE CITY—Kansas Motors, Inc.
OSBORNE—
McCammon Tractor & Implement Co.
OTTAWA—Price Implement Co.

PAOLA—Miami County Tractor Co.
PRATT—Schafer Plow, Inc.

RUSSELL—Russell Trac. & Impl. Co.

SALINA—Kansas Trac. Sales Co.
SCOTT CITY—
Western Hardware & Supply Co., Inc.
SEDAN—Wall Tractor & Equipment Co.
SENECA—Quinlan Tractor & Impl. Co.
SMITH CENTER—
Jones Tractor Sales & Service
STERLING—Rice County Tractor Co.

TONGANOXIE—
Laming Tractor & Implement Co.
TOPEKA—Shawnee Tractor & Impl. Co.

ULYSSES—Phifer Motor Co.

WAKEENEY—Midwest Marketing Co.
WASHINGTON—Bill Seltz Impl. Co.
WELLINGTON—
Sumner County Tractor & Impl. Co.
WICHITA—Taylor Tractor Co.
WINFIELD—Stuber Tractor & Impl. Co.

THE POWER YOU NEED COSTS LESS

in a...



Illustration shows 3-bottom Dearborn Plow—an ideal plow size for the Ford Tractor in many soils. Lights shown are optional equipment.



Top Performance with DEARBORN IMPLEMENTS

More than 50 quick-attached Dearborn Implements are available for the Ford Tractor to handle all types of field work as well as odd jobs around the farm. Each is designed to make the most of Ford Tractor power and to make your work easier. All are raised, lowered and controlled by the tractor's Hydraulic Touch Control lever. With the Dearborn Rear Mounted Loader, for example, you can lift heavy loads at the flick of your finger.

Today's bigger, heavier Ford Tractor has ample power for the great majority of jobs on the great majority of farms. Try it yourself and see. Prove that the Ford will do the work you want done. Why waste money on costly surplus power?

Check Ford Tractor Value Three Ways

First, compare the lower price of the tractor with the power it delivers. You'll find the Ford Tractor an outstanding power buy.

Next, figure the lower upkeep expense and exceptional fuel economy you get from Ford's new big bore, low friction engine. This means that the low cost power you bought also performs at low cost.

Finally, consider higher resale value. You'll find a Ford Tractor brings more when the time comes to sell it, or trade it in. Thus, Ford Tractor power is a better investment.

Let your nearby Ford Tractor Dealer help you make sure you don't pay more than you need to for the power you need. See him soon.

FORD TRACTOR DIVISION, Ford Motor Company, Birmingham, Mich.



Ford Farming

MEANS BETTER WORK...
MORE INCOME PER ACRE

It's Portable! No extra plumbing Put it anywhere



FRIGIDAIRE Automatic Washer

See Frigidaire Appliances At Any Of These Quality Dealers

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O'Loughlin Motor Co. | LEON
Losh Motor Co. | PLAINVILLE
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Mills Furniture Store | LEOTA
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Prinson Bros. Hdw. |
| ANTHONY
Wood Music Co. | EMPORIA
Stephens Furniture Co. Inc. | LIBERAL
Hettie Appliance | PRATT
Link Electric |
| ARGONIA
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Whitard Sales & Serv. | LINCOLN
B. G. Hall | PRETTY PRAIRIE
General Appliance Co. |
| ARKANSAS CITY
Wright-Burton Hdw. | EUREKA
Donnelly's Radio | LINDSBURG
Billings Refrigeration & Elec. Appl. | QUINTER
Quinter Appl. Store |
| ARLINGTON
Fay's Sundries & Appl. | FALL RIVER
Fall River Impl. Co. | LITTLE RIVER
Hodgeson Impl. & Hdw. | RILEY
Meyer Mercantile |
| ASHLAND
Grimes Homegas, Inc. | FLORENCE
Roberts Machinery Co. | LURAY
Hickman & Hampl Plumbing & Elec. | RUSSELL
Deines Bros. |
| ATTICA
K. R. Anthony Furn. | FORT SCOTT
Darling & Maguire Sales Co. | LYONS
Deardorff Furn. Co. | ST. FRANCIS
Roche's Electric |
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Abrahamson Appl. |
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C. E. Rogers & Son |
| BLUE RAPIDS
Brake's Furn. Store | GREENLEAF
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Day Hardware Co. | GREENSBURG
Culp Home & Auto | MENTOR
Johnson's Hardware and Elevator | SPEARVILLE
Heskamp Chev. Co. |
| BURDEN
Kim, Elliott & Gard | HALSTEAD
Mantle's Dept. Store | MILTONVALE
Pheips Furn. Store | STAFFORD
Penceck & Solce |
| BURNS
Lyons Supply Co. | HARPER
Jess Hamilton | MINNEAPOLIS
Horner Hardware | STERLING
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Hays Music Co. | MORGANVILLE
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Graber Furniture Co. | NORWICH
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JOHN GOES TO VISIT INDIA

Tours agricultural centers, waters bull teams, sees banana farm, meets Ohio friend

Remember, Kansas Farmer promised to bring you letters from 2 of our Kansas 4-H'ers who are spending some time on farms overseas this year. Here is the seventh letter from John Ferrell, of Mt. Hope, in Sedgwick county, who has gone to India.



JOHN FERRELL
Mt. Hope, Sedgwick County

DEAR EDITOR: For the latter part of the stay in Bombay state my program was a tour of the main agricultural centers as a basis. At first this statement seems out of hand, but when you examine a map of this province, the vast areas of wasteland and jungle shows why farming is restricted.

First stop was at the Government Research Station in East Rhandesh. East Rhandesh is the dry-land section of the interior which lies just off the Satpura Hills. Soils are deep black volcanic ash, are suited to wheat, jarvar (sorghum), cotton and peanuts. Therefore, primary work of the station is to improve production methods and varieties of these crops. Cotton has the major emphasis; thus, Virnar, a strain which yields 500 pounds an acre... has been developed...

While staying at this station my morning chore was watering the bull teams. This is done by lowering a bucket into a well and retrieving it with a rope. There were only 16 bulls but I swear they each drank 100 gallons. These bulls were all cherry-red

and stood over 6 feet at the shoulder. Their horns swept up and back as they came to a point at 32 inches. Nowhere in all India are cattle treated well as here.

Dewali, the Festival of Lights, has just been completed. For this holiday (which closely resembles our Christmas) houses and streets are gaily painted. At night, small oil lamps are placed along eaves and windows. The festival is in honor of the god, Dewa, who conquered evil. This god must have liked noise because everyone either beats a drum or sets off firecrackers every night for 5 continuous nights. During the period of celebration it is the custom to invite guests for sweet meats and tea. Here I found a rather unique system for having enough to service, being employed. Conditions are such that not everyone has cups and saucers for all the guests, so when visiting you carry these with you. To save the host embarrassment you leave the service, with your shoes, on the front step. After tea you chat a prescribed period and upon leaving there is a clean cup and saucer with your sandals. However they always know whose is whose cannot say but I attended teas of 20 to 30 guests and they never missed.

On my way out from the interior I stopped at Chalisgoan to look over a banana plantation. At this farm there were 200 banana trees and my guide made sure I looked at every one of them! As a side line this farm raises cauliflower. To handle this vegetable 100 women were employed.

Now I am on my way to Bombay City to meet one of the boys from Ohio, Harry Rittenhouse, and then we are going up the coast to buy a hay farm at Bulsar.

—Johnnie Ferrell.

Many Foreign Students Enroll at KSC

More students than ever from foreign lands are studying at Kansas State College—112 this year! Only 12 years ago there were about 10 or 15 foreign students. India heads the present list with 13. Iraq has 11, Canada and Jordan, each 7; Bolivia, Egypt, Germany and Iran, 4; Hawaii, 10, and Puerto Rico, 8.

Most students take agricultural courses—38 this year and 42 last year. Next popular school division is arts and sciences. The world's only milling industry course accounts for some of the foreign agricultural students.

NATIONAL SAFETY AWARD TO KANSAS FARMER



SAFETY AWARD: Raymond H. Gilkeson, right, editor of Kansas Farmer, receiving National Safety Council's Public Interest Award for exceptional service to safety on the farm in 1952-53, from Paul Jones of the council, during International Livestock Show week in Chicago.

BIGGER PROFIT

starts with your little pigs!

1 KEEP 'EM SAFE!

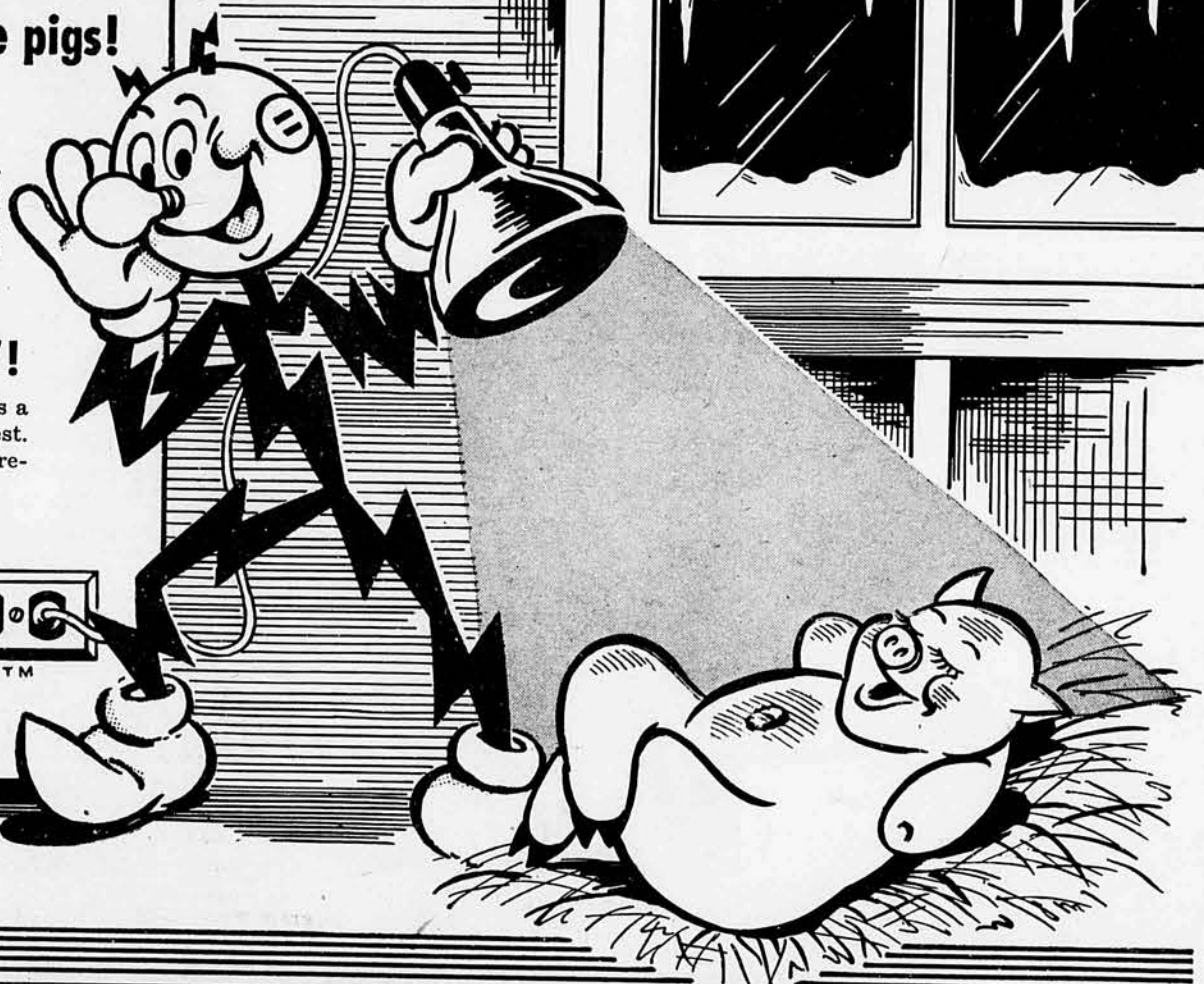
They don't need to crowd up to the sow and risk being crushed. With this warm corner you can cut down on that danger which is responsible for 60 percent of your losses.

2 KEEP THEM HEALTHY!

A cozy corner under a heat lamp provides a warm dry spot for your little pigs to rest. They'll scamper out to feed and play and return to Reddy's protection.

3 LET REDDY DO IT!

For only a few pennies each day Reddy will take over this vital job. And those pennies will return dollars to you when you market more and healthier hogs.



Reddy Kilowatt is Your Champion "Baby-Sitter" for Pigs

FREE! ASK FOR
YOUR COPY
Infra-Red Bulletin
at your Local Power Company



Get **MORE** Done
Enjoy **MORE** Profits
Have **MORE** Fun
WITH **REDDY KILOWATT**
ON THE JOB

IT'S really a help to have an Infra-Red Heat Lamp when your pig litters start to arrive. Reddy and the lamp team up to give constant warmth that gets them off to a good start.

Easy to Install—Thrifty!

It doesn't take a lot of time and work to set up one of these Heat Lamps. Just follow the simple instructions that are readily available. Even in the

coldest weather it costs only pennies to operate the lamp 24 hours a day. And each penny spent returns you dollars in profit at marketing time.

The Way to Fastest Gain

Every farmer knows it pays to feed more pigs and bring them to market faster — and the Heat Lamp helps you do this. It cuts down losses during the 8 weeks before weaning and lets you finish off more animals quicker.

Just Ask for the Heat Lamp

Costs little to operate; keeps pigs warm with infra-red rays. Lasts almost indefinitely . . . Heat Lamps as low as \$1.10. See your appliance dealer, your rural electric cooperative or power company representative for recommended Heat Lamp installations.



ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

Central Kansas Power Company
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Kansas City Power & Light Company
The Kansas Power and Light Company

Welcome-Kansas State College Invites You to Farm and Home Week

By JAMES A. McCAIN, President, Kansas State College

IT IS A PLEASURE to extend to you a most cordial welcome to the 1954 Farm and Home Week which will be held at KANSAS STATE COLLEGE, Manhattan, February 1, 2, 3, and 4.

For more than three quarters of a century, Farm and Home Week at KANSAS STATE COLLEGE has been of keen interest and importance to Kansas farmers and homemakers. Since the first Farmers' Institute in Kansas was held at the College, it has developed steadily in interest and effectiveness. Each year it brings together at the College hundreds of progressive farmers and homemakers from all parts of the state.

We hope and believe this 1954 event will be our most outstanding Farm and Home Week. A special effort has been made to obtain as speakers some of the Nation's distinguished authorities in the various fields of agriculture and homemaking. The programs are built around the problems of today.

KANSAS STATE COLLEGE belongs to everybody in the state. Farm and Home Week is a time when farm men and women all over the state are invited to meet at their own College to take part in a program designed to help solve everyday problems of farming and homemaking.

This year's program will include:

PROGRAMS FOR THE WEEK

Monday: Executive Committee, Kansas Home Demonstration Council, Inter-Breed Dairy Council, Agricultural Engineering, Monday evening: Sears Foundation Dinner, Get-Acquainted Party.

Tuesday: Home Economics, Rural Art, Dairy Breed Associations, Agricultural Engineering, Poultry (General Farm Flocks), Beekeeping, State 4-H Cherry Pie Baking Contest, Tuesday evening: Dairywomen's Dinner.

Wednesday: Home Economics, Dairy, Agronomy, Kansas Hybrid Association, Directors Meeting, Farm Management Associations, Assembly, Wednesday evening: Farm Management Dinner, Home Talent Night.

Thursday: Home Economics, Crop Improvement Association, Agronomy, Agricultural Economics, Livestock, Thursday evening: Kansas Crop Improvement Banquet.

Throughout the Week: Rural Art Exhibit, Pattern Size Conferences, Open House for Nursery School, Home Management Houses, and Residence Halls. (Detailed program follows.)

HOME ECONOMICS PROGRAM

February 1, 2, 3, and 4

Theme: "Building Faith in My World Through Knowledge."

Monday, February 1, 1954

2:00—Executive Committee Meeting, Kansas Home Demonstration Council, Mrs. Orville B. Burtis, President, presiding, room 112, Extension building.

6:00—Sears Foundation Dinner—Recognition for Rural Leadership, Home Economics Advisory Committee Chairmen and Home Demonstration Agents, Thompson Hall (Cafeteria).

7:30—Get Acquainted Party—Shirley M. Bessey, Extension Specialist in Recreation, Kansas State College, Main Floor, Nichols Gymnasium.

Tuesday, February 2, 1954

9:30—Attend Poultry Program.

1:00—Auditorium, Georgiana H. Smurthwaite, Head, Department of Extension Home Economics and State Home Demonstration Leader, Kansas State College, presiding.

Kansas Home Demonstration Council, Mrs. Orville B. Burtis, President; Reading of Minutes, 1952 Council Meeting, Mrs. Lawrence House, Secretary; Greetings from: Associated Country Women of the World Country Women's Council, Mrs. Earl Simmons, Past President; National Home Demonstration Council, Mrs. Verne W. Alden, Vice-President, National Home Demonstration Council.

2:30—Rural Art Program.

Wednesday and Thursday,
February 3 and 4, 1954

8:30—The Heart of the Home, Dr. Florence McKinney, Head, Department of Household Economics, Kansas State College; Tessie Agan, Associate Professor, and M. Geraldine Gage, Instructor, Department of Household Economics, Kansas State College, Room 101, Calvin Hall.

8:30—Counting Your Calories, Helen Clark, Assistant Professor, and Ethelind Gibson, Instructor, Department of Foods and Nutrition, Kansas State College, Room 117, Calvin Hall.

8:30—What a Safety Conscious Family Will Do to Prevent Accidents from Occurring to Members of the Family, Rosemary Schaefer, Home Economist, Farm Division, National Safety Council, Room 108, Nichols Gymnasium.

8:30—Flower Arrangement, W. W. Willis, Assistant Professor of Horticulture, Kansas State College, Room 15, Classroom Building.

8:30—Stitchery in Costumes of Other Countries, Rosamond Kedzie, Associate Professor of Art, Kansas State College, Recreation Center, Anderson Hall.

8:45—Get Acquainted Mixers and How to Lead Recreation, Shirley M. Bessey, Instructor and Extension Specialist in Recreation, Kansas State College, Room 105, Nichols Gymnasium.

10:10—Families Plan for Financial Planning, Mrs. Myrtle G. Correll, Associate Professor of Household Economics, Kansas State College, Room 102, Calvin Hall.

10:10—Today's Fabrics, Their Use and Care, Esther M. Cormany, Associate Professor of Clothing and Textiles, Kansas State College, Recreation Center, Anderson Hall.

10:10—Adolescence—Fun or Friction, Mrs. Coral K. Aldous, Associate Professor of Child Welfare, and the Child Welfare Staff, Kansas State College, Room 101, Calvin Hall.

10:10—Program Ideas and Aids on Safety, Rosemary Schaefer, Room 108, Nichols Gymnasium.

10:10—A Bread Demonstration, Patty Hay, Regional Home Economist, Wheat Flour Institute, Chicago, Room 117, Calvin Hall.

10:10—Square Dances, Katherine Geyer, Head, Department of Physical Education for Women, Kansas State College; Shirley Bessey, Room 105, Nichols Gymnasium.



James A. McCain

Wednesday, February 3, 1954

1:00—General Assembly, Auditorium, Organ Music, Department of Music, Kansas State College; Address—Dr. James A. McCain, President, Kansas State College.

2:15—Ella Meyer, District Home Demonstration Agent, Assistant Professor, Kansas State College, presiding. It Can Happen Here, Captain C. P. Hungate, Chief Medical Officer, Olathe Naval Air Station.

3:15—Global Minds for a Global World, John Harvey Furbay, Director, TWA Global Air World Education, Trans-World Airlines.

7:00—Concert, Kansas State College Band; County Talent Programs.

Thursday, February 4, 1954

Morning Sessions: Follow schedule for Wednesday morning.

1:30—Auditorium, Mrs. Velma G. Huston, Associate Professor and District Home Demonstration Agent, Kansas State College, presiding. Women's Responsibility for Their Families' Safety, Rosemary Schaefer, Home Economist, Farm Division, National Safety Council.

2:30—Is Your Home in a Rut?, Rachel Martens, Home Furnishings Editor, Farmer's Wife—Farm Journal.

February 2, 3, and 4

Open House—Nursery School, 311 N. 14th Street; Home Management Houses, Campus;

FOR SOME PLACE TO STAY

(In Manhattan, Farm and Home Week, February 1 to 4)

ROOM RESERVATIONS for Farm and Home Week should be made well in advance. For hotel or motel reservations, write directly to the hotel or motel. If you want a room in a private home, fill in the blank in the form below and mail it to Housing Director, Kansas State College, Manhattan, Kansas. Your reservation will be confirmed by mail if the request is received in time for a reply.

Housing Director
Kansas State College
Manhattan, Kansas

Please reserve room in private home for use during 1954 Farm and Home Week.

Check nights room is wanted:

Sunday, Jan. 31, Monday, Feb. 1, Tuesday, Feb. 2

Wednesday, Feb. 3, Thursday, Feb. 4, Friday, Feb. 5

Check Kind of Room Desired:

Single, Double (man and wife)

Double (2 men), Double (2 women)

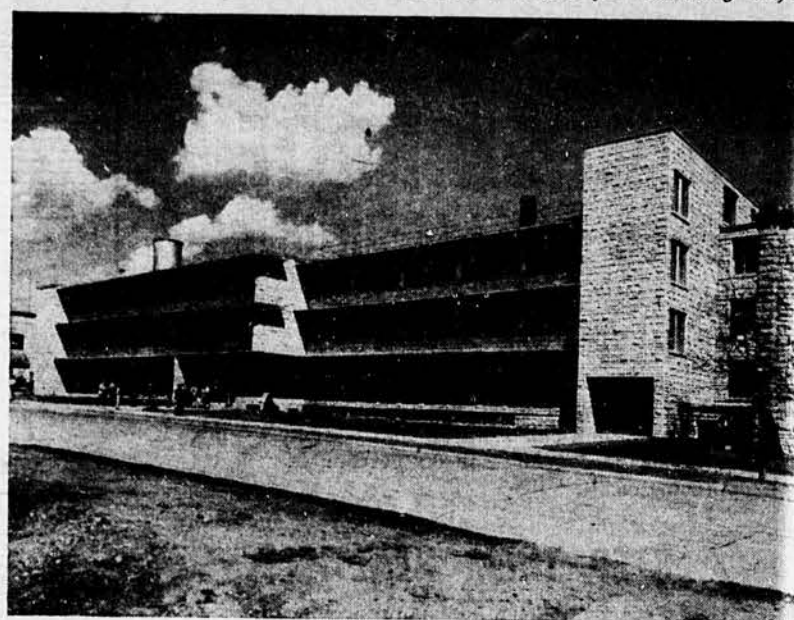
Other

(Specify)

Name

(Print plainly)

R. R. or Street City State



COMPLETED SINCE some of you visited Kansas State College is this new wing of engineering building. It is the most modernistic building design on the campus.

Northwest Residence Hall, Campus; Southeast Residence Hall, Campus. Admission at hours to be designated. Tickets are available in the auditorium at each afternoon session.

Individual Conferences on Pattern Sizes—Appointment by tickets available in the auditorium at each afternoon session.

RURAL ART PROGRAM

Exhibition of paintings and drawings daily from 7 a. m. to 6 p. m. in the Gallery of the Department of Architecture and Allied Arts, second floor, Engineering Building. Exhibits were selected from paintings and drawings by amateur artists in rural Kansas which were exhibited last fall in Regional Art Exhibits held at Dodge City, Colby, Iola, Hutchinson, and Topeka.

Tuesday, February 2, 1954

Afternoon Session, Engineering Building, Art Demonstrations.

2:30—Portrait Drawing, E. J. Tomasch, Assistant Professor of Architecture, Kansas State College, Room 206.

Etching, John Helm, Professor of Drawing and Painting, Kansas State College, Room 237.

3:15—Oil Painting, C. Louis Hafermehl, Instructor of Drawing and Painting, Kansas State College, Room 206.

Sculpture in Clay, J. Cranston Heintzelman, Associate Professor of Architectural Design and Sculpture, Kansas State College, Room 237.

4:00—Tea, courtesy of Friends of Art, Kansas State College, Room 237.

AGRICULTURAL ENGINEERING PROGRAM

Monday, February 1, 1954

Farm Water Supply, Afternoon Session, Engineering Lecture Hall, John M. Ferguson, Head, Department of Engineering Extension, Kansas State College, presiding.

1:30—Water Supply and Human Health, Martha Brill, Assistant Professor and Extension Health Specialist, Kansas State College.

1:50—Quality of Water for Farm Use, Purity, Disinfecting and Deodorizing, Dr. T. H. Lord, Professor of Bacteriology, Kansas State College.

2:20—Water Situation in Kansas, V. C. Fishel, Engineer in Charge, State Geological Survey, Lawrence, Kansas.

3:10—Filtering Pond Water for Domestic Use, H. E. Stover, Associate Professor and Extension Agricultural Engineer, Kansas State College.

3:40—Pumping and Piping Water Supplies,

Ralph Lipper, Assistant Professor of Agricultural Engineering, Kansas State College.

4:10—Softening Water Supplies, Dr. R. Silker, Head, Department of Chemistry, Kansas State College.

Tuesday, February 2, 1954

Irrigation in Kansas, Morning Session, Engineering Lecture Hall, G. E. Fairbanks, Associate Professor of Agricultural Engineering, Kansas State College, presiding.

9:00—Irrigation and Agricultural Stability, W. Funk, Assistant Professor of Agricultural Engineering, Kansas State College.

9:25—Water Control in Surface Distribution, Richard E. Hanson, Instructor and Irrigation Research Engineer, Kansas State College.

9:50—Let's Think About a Sprinkler System, John F. Schunk, Chief Irrigation Engineer, Irrigation Equipment Company, Denver, Colo.

10:30—Potential Irrigation Use of Surface Water in Kansas, Nat Tolman, District Water and Land Superintendent, Kansas River District, U. S. Bureau of Reclamation.

11:00—Status of Irrigation Districts in Kansas, Dr. Harold E. Myers, Associate Director, Agricultural Experiment Station, Kansas State College.

Afternoon Session, Engineering Lecture Hall, Walter E. Selby, Assistant Professor and Extension Agricultural Engineer, Kansas State College, presiding.

1:30—Irrigation Activities of Kansas State College, Dr. R. V. Olson, Head, Agronomy Department, Kansas State College.

1:50—Response to Irrigation at Garden City Experiment Station, Walter R. Meyer, Irrigation Engineer, Bureau of Plant Industry, Soils, and Agricultural Engineering, United States Department of Agriculture, Garden City.

2:30—Response to Irrigation at Concordia Irrigation Experiment Field, Warren W. Rasmussen, Superintendent, Kansas State College, Irrigation Experiment Field, Concordia.

3:00—Summary of Yields on Irrigation Development Farms, Russell L. Herpich, Assistant Professor and Extension Irrigation Engineer, Kansas State College.

3:30—Question and Answer Period.

POULTRY PROGRAM

Tuesday, February 2, 1954

Morning Session, Room 231, West Waters Hall, L. F. Payne, Head, Department of Poultry Husbandry, Kansas State College, presiding.

9:30—What Kind of Chicks Should I Buy? Dr. C. D. Mueller, Professor in Charge of Poultry Breeding, Kansas State College.

10:00—Brooding, Rearing, and Growing Chicks, Tom B. Avery, Professor of Poultry Husbandry, Kansas State College.

10:30—Changing Times for Kansas Market Poultry, H. R. Lewis, Seymour Packing Company, Topeka.

11:00—A Blow-by-Blow Account of Today's Market Egg Problems, W. J. Petr, in Charge of Egg and Poultry Marketing, State Board of Agriculture, Topeka.

Afternoon Session, Room 231, West Waters Hall, M. A. Seaton, Professor and Extension Specialist in Poultry Husbandry, Kansas State College, presiding.

1:30—The New Kansas Pole Type Poultry House, Leo T. Wendling, Assistant Professor and Extension Agricultural Engineer, Kansas State College.

2:15—The Poultry and Egg Outlook for 1954 and Factors Affecting Labor Income, Joe Koudele, Assistant Professor of Agricultural Economics, Kansas State College.

3:00—Common Poultry Diseases and How to Combat Them—Demonstrated, Dr. J. L. W. Professor of Poultry Pathology, Kansas State College.

4:00—Visit Poultry Exhibits, Room 232, West Waters Hall.

BEEKEEPERS PROGRAM

Tuesday, February 2, 1954

Morning Sessions, Room 102, Fairchild Hall, Dell E. Gates, Assistant Professor and Extension Entomologist, Kansas State College, presiding.

9:00—Aplary Inspection Report, Dr. R. L. Parker, Professor of Apiculture, Kansas State College, and State Apiarist, Kansas Entomological Commission, Manhattan.

9:15—Aplary Location, R. J. Walstrom, Professor and Extension Entomologist, Iowa State College, Ames.

10:00—Honey Marketing, G. H. Cale, Editor, American Bee Journal, Hamilton, Ill.

10:45—Package Bees vs. Equal Spring Division, Dr. R. L. Parker.

Afternoon Session, Room 102, Fairchild Hall, R. L. Parker, presiding.

1:15—Colony Management Thruout the Year, R. J. Walstrom.

2:15—Nosema Disease, G. H. Cale.

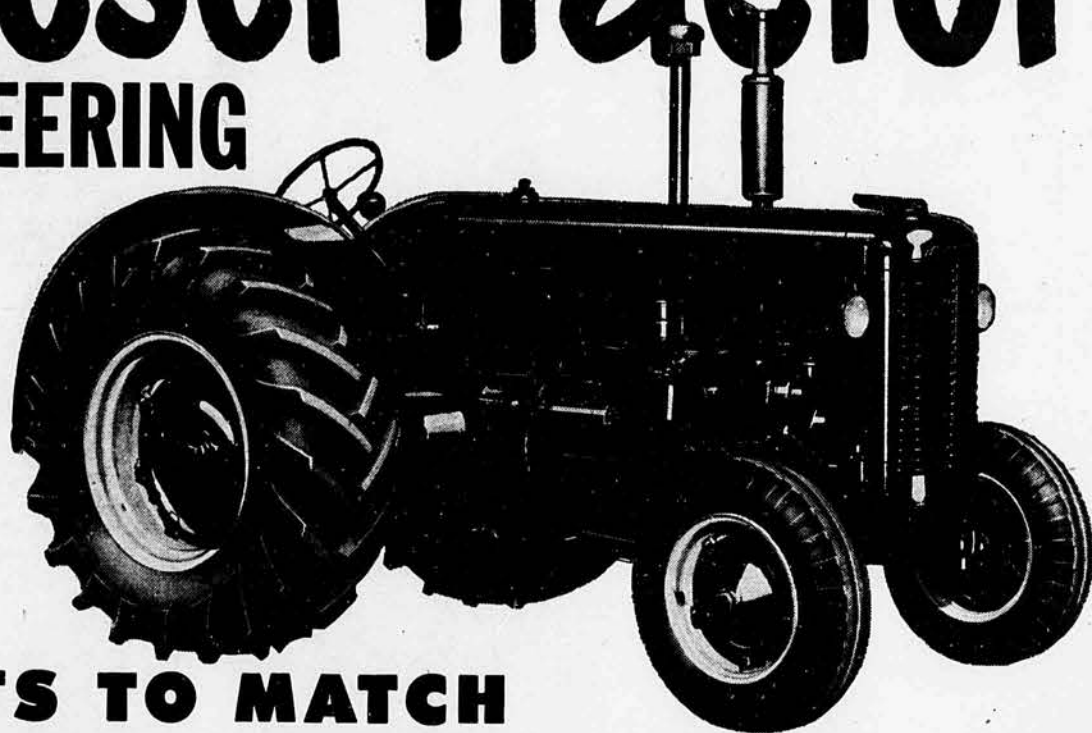
3:00—Round Table Discussion, Leaders: R. L. Parker, R. J. Walstrom, and G. H. Cale.

(Continued on Page 17)

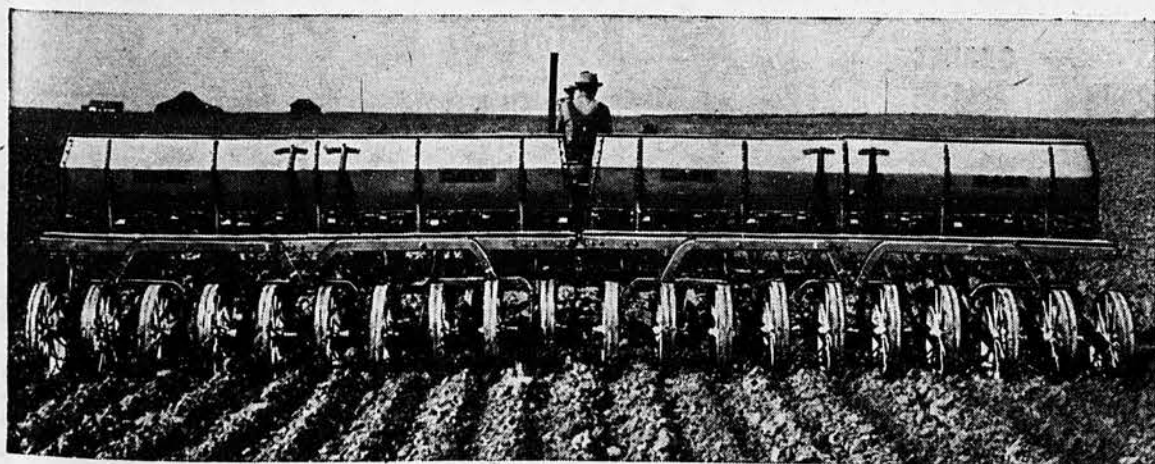
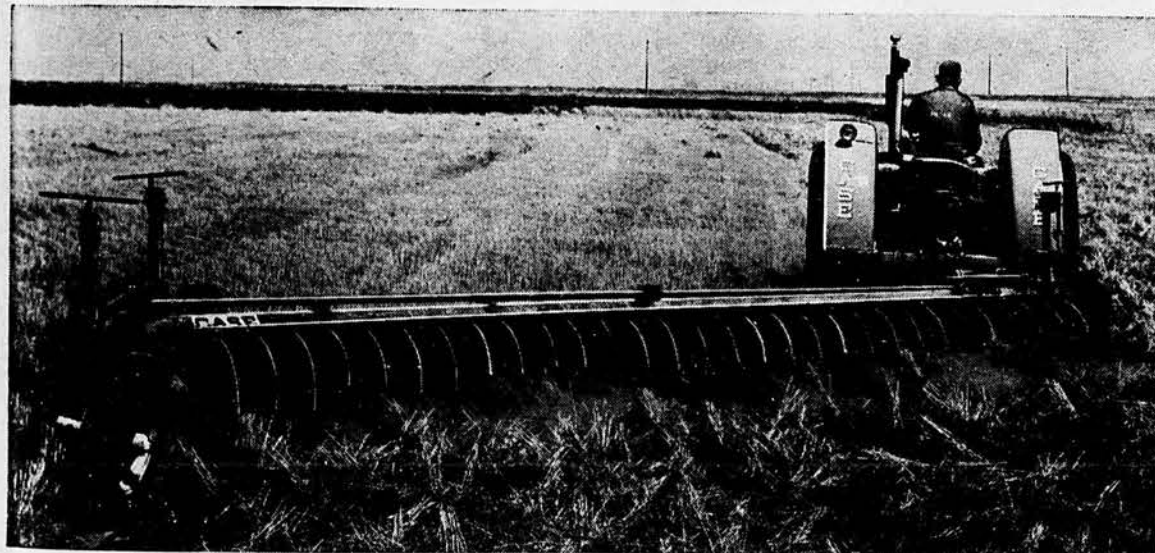
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Save precious hours with big capacity of this fast-stepping 5-plow, 6-cylinder tractor. Get both diesel fuel economy and Case upkeep economy. Get smooth, quiet power and clean burning at all loads with "Powrcel" controlled combustion. Get instant starting directly on diesel fuel, quick service with single-plunger injection pump, protection from dirty-fuel troubles by 6-point filter system, easy maintenance with multiple cylinder heads. Enjoy the ease of Power Steering for short turns and long days, the complete convenience of Constant Power Take-Off, Dual Valve Constant Hydraulic Control, and self-energizing Double-Disk Brakes.



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For burning LP gas you can get the 4-5 plow "LA" Tractor, and all models of the 3-plow "D" Series, with built-in LPG equipment. See your Case dealer now. Arrange for a demonstration.

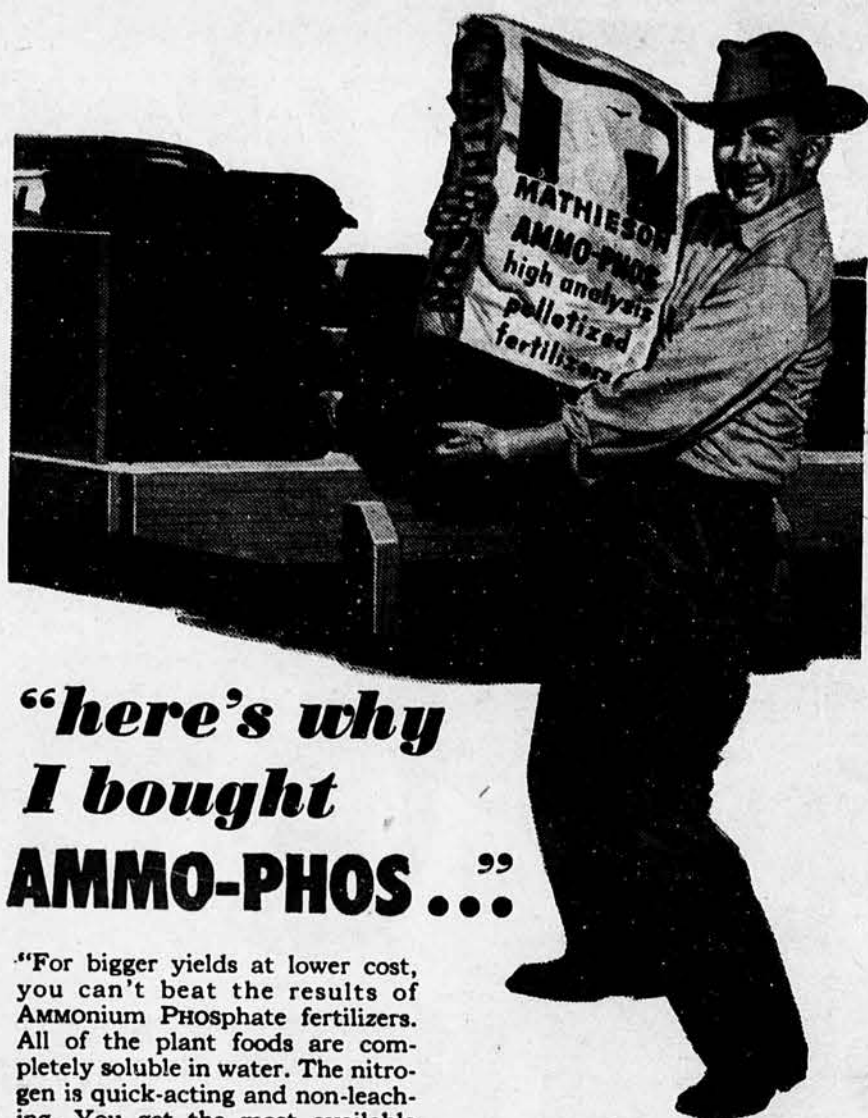
MAIL FOR MORE ABOUT THE NEW THINGS

For latest catalogs and pictorial folders, mark here or write in margin any tractor model or farm machine that may interest you. J. I. Case Co., Dept. A-474, Racine, Wis.

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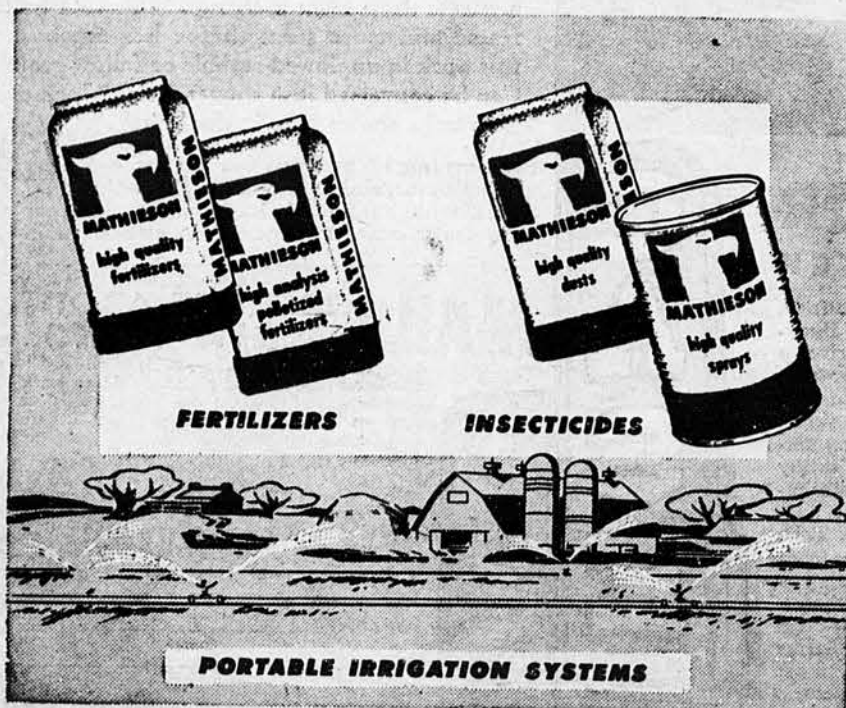
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Do you want a record of Kansas agriculture during the years 1951 and 1952? Two important, unforgettable years because they ranged from flood disaster in 1951 to the state's largest wheat crop of all time in 1952.

All this is found in the Thirty-Eighth Biennial Report of the Kansas State Board of Agriculture, free to all interested Kansas farm people. Primarily a record of Kansas agriculture during the years 1951 and 1952, it is a valuable historic record of the state's agricultural progress.

Bound in an attractive 4-color cover, the book contains 406 pages and has features to interest every farm person. Articles and pictures on the 1951 floods, the future of irrigation, importance of sorghums, and a picture story of the record-breaking 1952 Kansas wheat crop are a few of the interesting features.

Your free copy is available by writing Raymond Gilkeson, Editor, Kansas Farmer, Topeka, Kan.

50 Per Cent Fertilizer Increase Predicted for 1954 Season

MORE FERTILIZER available this year! This is the prediction of the U. S. Department of Agriculture. The increased supply (total plant food—nitrogen, phosphoric acid, and potash) is expected to be 11 per cent greater than the supply available last year. This means commercial plant food available to you this year will be more than 50 per cent greater than in 1950.

Nitrogen estimates for this year stand at 2,006,000 tons of actual nitrogen as compared to 1,804,000 tons for 1953. It is further estimated that 22.4 per cent of this nitrogen will be in the form of ammonium nitrate; 20.7 per cent as ammonium sulfate; 15 per cent in other solid forms; and 14.5 per cent as anhydrous ammonia or other solutions for direct application. Most of the additional nitrogen will be in liquids and other forms suitable only for manufacture of mixed fertilizers.

Supplies of phosphoric acid are expected to increase from last year's estimated production of 2,414,000 tons to 2,667,000 tons. Much of the increase should be in the form of concentrated superphosphate—a material ideally suited for the manufacture of high-

analysis mixed fertilizers as well as direct application.

The potash outlook for 1954 is bright. Estimated supplies amount to 1,941,000 tons as compared to 1,739,000 tons in 1953. The 1954 estimated supply of potash is more than 5 times the amount of this plant food used by American farmers in 1940.

Hold Turf Meeting

More than 100 persons from 5 states attended the recent 4th annual Central Plains Turf Foundation conference at Kansas State College. Tests there showed control of crabgrass showed effective results were obtained with oil and choline or oil and lethane early in summer. There were 2 applications weekly intervals. Drought later was 100 per cent effective in killing crabgrass.

A good lawn turf will control crabgrass. An application of milkyweed and nitrogen fertilizers will be growth of grass to eliminate crabgrass. A lawn mower set too low frequently is the worst enemy of turf, said L. R. Quinlan, horticulturist.



Get your thinking caps on, Kansas 4-H Club reporters! Announcement is made of the 1954 Kansas 4-H Club Reporter Contest to see who's doing the best and most interesting job in 4-H publicity. Kansas Farmer is the sponsor for the contest.

Many reporters over the state are doing an excellent job of letting folks know what their local club is doing. Here's a challenge to do even better. Fellow club members can help out by co-operating with your club reporter in more and better stories about projects, tours, fairs. You can help in many ways to make a more progressive 4-H Club year so your

reporter will have an abundance of material to publicize. For a Suggestion Sheet of 4-H stories to prepare, write Kansas Farmer and we'll be glad to send it to you. Your county agent can give you more details of the contest.

Rules of Contest:

1. Publicity notebook shall be kept by the 4-H Club reporter.
2. To be eligible, a club shall have participated in a publicity program for not less than 5 months previous to September 30 of the current 4-H year.
3. The notebook of the first award club in each county shall be forwarded to the State 4-H Club office, Manhattan.
4. Winners will be selected by a committee named by the State 4-H Office.
5. Basis of awards will be on consistency of reporting, quality of publicity, variety of coverage and summary of work accomplished. (For full details call or see your county agent.)

Awards To Be Given:

1. First: \$50 college scholarship to winning reporter. \$15 cash to winning reporter's club. Framed certificate to winning reporter's club.
2. Second: \$10 cash to reporter's club. Leather zipper notebook with name engraved to reporter.
3. Remaining clubs (8) in the "Blue Ribbon" group will receive \$5 cash. Reporters will receive pen-and-pencil sets engraved with winner's names.

Big-Tractor CAPACITY Small-Tractor ECONOMY



You Get BOTH in the JOHN DEERE "50"

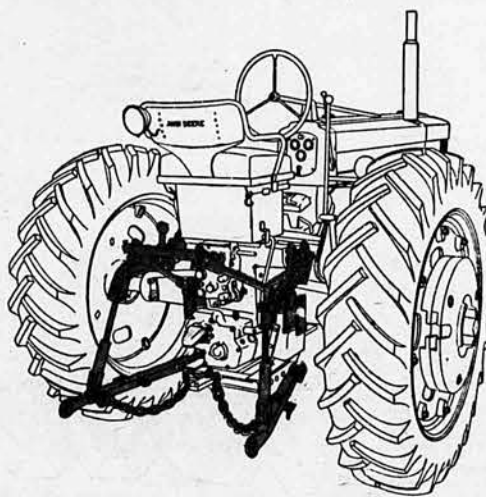
It's like having your cake and eating it, too—when you own a tractor that does as much work on most jobs as more powerful models and at the same time, costs little more to purchase and operate than smaller tractors.

The John Deere Model "50" is just such a tractor. It has a tremendous appetite for work—pulls 3-bottom plows in most conditions . . . 8-foot double-action disk harrows . . . plants and cultivates four rows at a time . . . handles a two-row mounted corn picker . . . operates power-driven machines and saves the cost of purchasing and main-

taining auxiliary engines—cuts time and labor every step of the way.

And when it comes to advanced design, modern engineering, and quality construction, the "50" welcomes comparison with any tractor at any price.

Your John Deere dealer is eager to show you without obligation what the "50" will do on your farm. Take advantage of his offer. Test its big-tractor capacity yourself. The chances are you'll find the "thrifty 50" is the tractor with all the power you need—the tractor that will put you on the road to bigger profits.



This new 3-point hitch for Models "50," "60," and "70" Tractors brings small-tractor utility and convenience to the big-tractor field. It is available with your choice of a complete line of matched working tools.

"50" 2-3-plow power

"60" 3-4 plow power

"70" 4-5 plow power



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SECOND, faster milking! University tests reveal that no machine is yet made that will do a faster job of milking than the Rite-Way SWING.

THIRD, handling ease! Modern designing made Swing a light sturdy milker. Its narrow shape makes it easier for you to handle. The transparent gasket tells you at a glance how much milk each cow produces.

FOURTH, RITE-WAY SWING is the only suspended or floor type milker that meets U.S. Public Health Service Standards of Construction. NO OTHER MILKER CAN MAKE THIS STATEMENT—so see your Rite-Way Service Dealer and write for our free folder today to Dept. K.



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Smooth stainless steel pail unhook in middle for the fastest cleaning job you've ever done on a milker.

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Saves the Runts, Orphans and Oversize Litters
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"Pigsaver" uses any good synthetic sow's milk. Serves the milk warm, day and night. Heating element temperature controlled by thermostat. Dairy metal reservoir keeps milk in correct condition. Self-feeds as many as 8 baby pigs at a time . . . they get what they want . . . when they want it. This is the most needed piece of equipment for the successful feeding of baby pigs. Gives them all a living chance. Get Your "Pigsaver" NOW! Raise More Pigs from Each Litter!

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Dwight Hull SAYS . . .

You Need High-Quality Roughage for Dairy Herd

ONE OF THE MOST difficult problems a dairyman has is to obtain high-quality roughage for his dairy herd. Since it is generally recognized high-quality roughage is essential in a successful feeding program, this problem is extremely important whether one produces roughage or must obtain it on the open market. Therefore, as we suggested in our article in a recent issue of *Kansas Farmer*, we will continue our discussion of quality of roughage.

This information is based largely on a report of 5 years of experimental work at Cornell university. Object of this experimental work was to determine the difference in feeding value and thus milk production, in hay cut from the same field at the same stage of maturity, but preserved and stored by different methods.

These different methods are hay cured in barn with a forced-air drier without use of heat; hay cured in field and stored loose; hay cured in field and baled, and hay wilted and made into grass silage. All hay used in this experiment was cut at an early to medium stage of maturity. Extreme precaution was taken to prevent anything from influencing results other than the way hay was handled after it was cut.

This Was a Surprise

Results are rather surprising to us, since in each year of the experiments hay cured in the barn with a barn drier was greener in color, had a higher carotene content and graded higher than the field-cured hay. In the feeding experiment, however, using 63 cows, when cows were allowed to eat their hay at will, there was no appreciable difference in feeding value as measured by consumption of hay or milk production. There also was no appreciable change in the live weight of the cows. Similar experiments conducted at the Indiana Experiment Station and by the U. S. Department of Agriculture also reported no significant difference in milk production resulting from the different methods of curing and storing hay.

The Michigan Experiment Station reported as much as 25 per cent increase in production between hay cut

early for silage and hay cut late field-cured.

Indications are therefore, from experimental reports we have seen, stage of maturity has more to do with feeding value of hay than method of curing.

There is, however, one factor in experiments brought out that should be considered in deciding which method of preserving hay to use. Namely, amount of dry matter saved in the curing process. Figures in the Cornell experiments show that about 3.9 per cent more dry matter was preserved with silage than with field-cured hay.

It also should be remembered that most of the hay used in these experiments was non-legume hay. One year was straight alfalfa used. Personal experience and observation leads us to believe alfalfa cut at early stage of maturity is of a higher quality than when it is cut at late stage of maturity. Frequently have heard dairymen make the statement that the first cutting of alfalfa has the best feeding value, and often contend the second or third cutting is best. We are inclined to believe that other things being equal, the stage of maturity has a greater influence on feeding value than which cutting.

Some of the experiment stations indicated they expect to conduct feeding trials with hay cut at different stages of maturity. Results of such experiments should be watched carefully by those interested in producing high quality hay and roughage.

Does Insect Research

Appointed associate entomologist with the Kansas Agricultural Experiment Station and associate professor of entomology at Kansas State College is Dr. Clifford C. Roan, of Beltsville, Md. He has been with the USDA for years doing insect work. In Kansas will use radioactive isotopes to trace further studies of how insecticides affect farm insect pests. He also will direct the work of graduate students in this field.

GRANDMA

By Charles Kuhn



5-28 CHAS. KUHN



SWEET LASSY Steps up action of digestive bacteria in rumen—helps cattle get more good from home grown grain and other feeds.



SWEET LASSY Stimulates the appetite—rich and heavy with molasses, **SWEET LASSY** is a palatable pellet that encourages cattle to eat more each day.



SWEET LASSY Increases water consumption—as a result cattle utilize their feed better and gain faster. Over 75% of their weight is water.



SWEET LASSY Produces a smooth market finish—cattle soon take on a rich, deep "bloom" that often grades higher when marketed.

The Secret of Why You Get Bigger, Faster Beef Gains at Less Cost with **SWEET LASSY®**

CHEAP GAINS are essential if you are to make a profit on your cattle this year. And one of the best ways to get the most out of your homegrown feeds is to add **SWEET LASSY** to your ration. **WHY?** Because **SWEET LASSY** is rich in molasses sugars, cobalt, proteins, vitamins and other nutrients that not only balance out grain and roughage—but also step up the growth and activity of the digestive bacteria in the rumen.

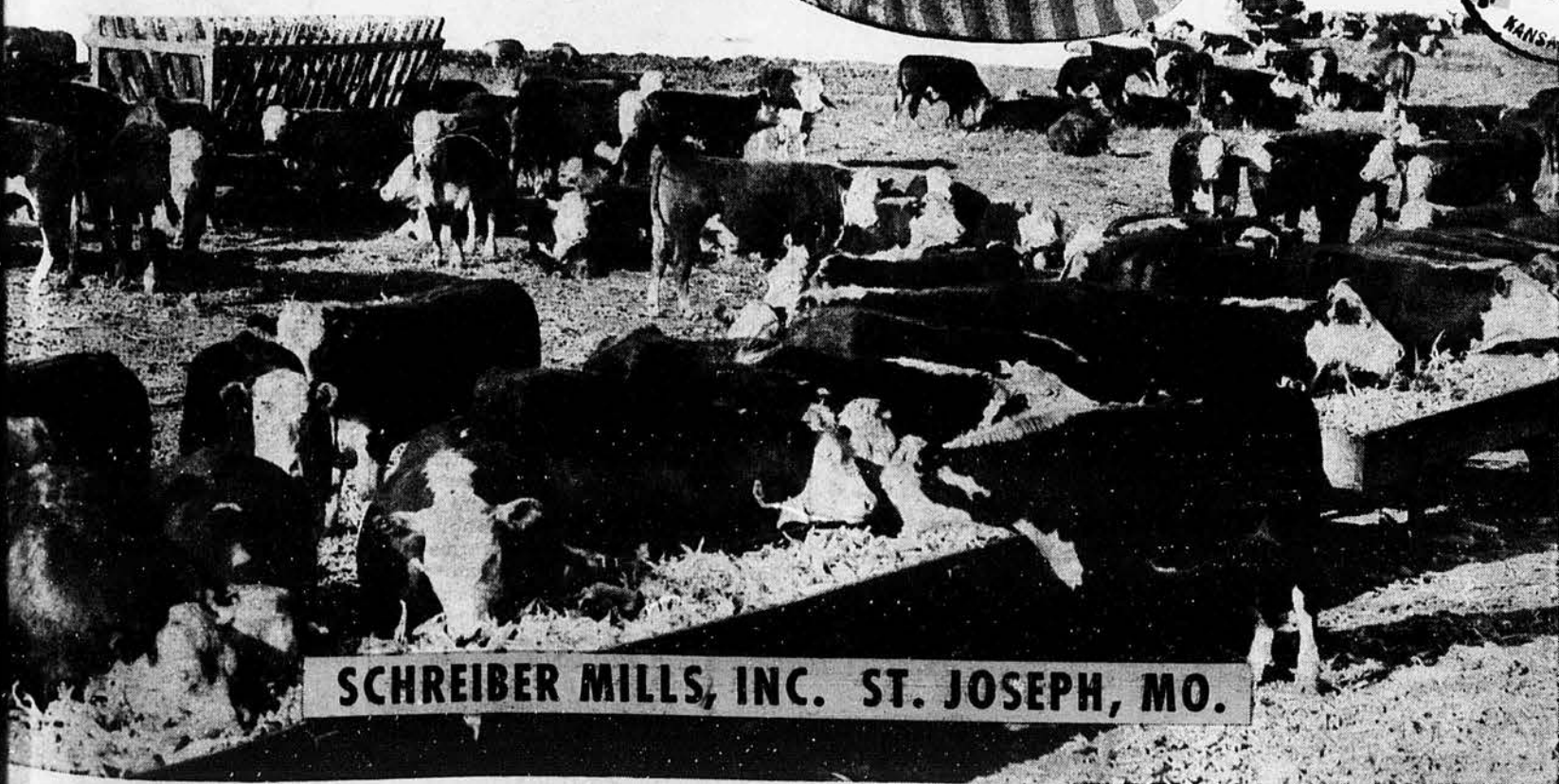
The helpful bacteria break down the fibers and cellulose in grain and roughage into organic acids and other body essentials—helps cattle get more good from the feed they eat. As a result, cattle on roughage such as silage, fodder, or pasture grass often gain up to a quarter of a pound more per head per day and use less feed.

ALWAYS ASK FOR SWEET LASSY! No other supplement gives such fast, lowcost gains or is as easy to feed. Made by an exclusive patented process, over 35 years of experience and "know-how" have gone into its development. You can feed it as easily as shelled corn. So always ask for **SWEET LASSY** by name. See your dealer for a supply today or write us. Our special mill representative will be glad to call and show you how you can turn more of your home grown feeds into bigger beef profits.



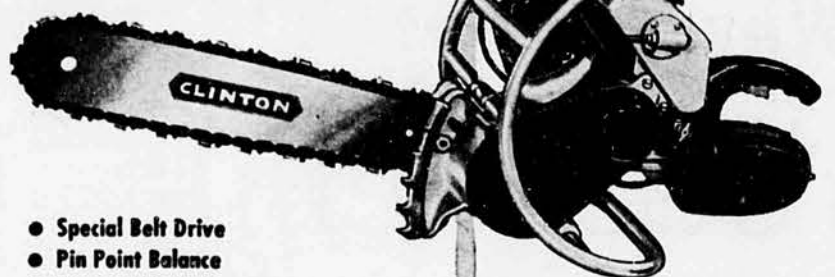
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**Retail Food Stores
Release Beef Report**

More than 7,000 retail food stores of the nation have released a report on "America's Beef Problem." The survey shows retailers' sales record for the first 9 months of 1953 compared with same period in 1952 shows a 51 per cent increase in beef sales, 132 per cent increase in calf product sales and a 49 per cent increase in veal sales.

In addition to these products, retail food stores also sell large quantities of related items such as liver, heart, wieners, corned beef hash. Food retailers' say, "American consumers are eating the country out of the present beef crisis." Aggressive advertising programs and lower prices for many beef products were reported at a recent meeting at Kansas City.

"Mr. and Mrs. Consumer ate something like 8 million more head of cattle and calves in 1953 than in 1952," the report states. "Consumer preferences determine relative prices between different grades and cuts of beef." More and more customers have been switching to fancy cuts, which kept prices on these cuts high. Declines in retail prices from peak levels of November, 1951, to October 15, 1953, show an average of 20 cents a pound less on all cuts.

Big Loss in Wastes

A U. S. choice grade steer weighing 1,000 pounds on the hoof shows up in only 444 pounds of retail cuts. Balance of steer is slaughter waste, packer by-products and loss. Some wastes that formerly were sold today cannot be sold due to competition with synthetic materials on the market. Steak prices are not typical beef prices," the report states, and in most cases housewives are offered economical beef buys. It was stressed retail prices have followed live prices down, making beef more attractive to Mr. and Mrs. Consumer when shopping.

**National Honor to
Dr. R. H. Painter**



Dr. R. H. Painter

Invitational address of the national meeting of the Entomological Society of America at Los Angeles, held just recently, was given by a Kansan. The honor goes to Dr. R. H. Painter, Kansas State College entomology department. He was elected by the governing board of the society, and represents the section on insect biology.

Doctor Painter and other entomologists have traveled all over Kansas in their investigations of insect invasions and damage. During his annual inspection of the KSC agronomy farms and test plots, Doctor Painter found one of the heaviest corn earworm infestations in history. Of more than 4,000 ears examined, he found only 2 which had not been injured. Resistance to earworm—most serious insect pest in the country from an economic standpoint over the years—is one characteristic taken into consideration in evaluating new hybrid corn strains at the College.

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PROVED FERTILIZERS...
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I find that I'm congratulated,
Because I am nodulated.*
I'm easy drilled, a cinch to spread,
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My "Bumper" stands for bumper yields.
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"I'm BUDGET BEM!"

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come—KSC Invites to Farm-Home Week DAIRY PROGRAM

Monday, February 1, 1954

Annual Meeting of Kansas Inter-Breed Cattle Council, Room 133, West Waters Hall, H. Berthoff, President, Rt. 2, Wichita; Hull, Vice-President, El Dorado; C. O. Dreht, Secretary-Treasurer.
Continuation of Annual Meeting of Kansas Inter-Breed Dairy Cattle Council.

Tuesday, February 2, 1954

Kansas Ayrshire Club, M. B. Dusen, President, Corbin; Dwight E. Hull, Secretary-Treasurer, El Dorado; John Chambers, Ayrshire Breeders' Association, Olathe, Minn., Room 128, West Waters Hall.
Kansas Brown Swiss Cattle Breeders' Association, Paul Green, President, Topeka; Unger, Secretary-Treasurer, Burden; Maruse, Fieldman, Brown Swiss Cattle Breeders' Association, Fremont, Nebr., Room 236, West Waters Hall.
Kansas Guernsey Breeders' Association, Neher, President, Oswego; C. J. Graber, Secretary-Treasurer, Newton; Tim C. Main, American Guernsey Cattle Club, Fayette, Ark., Room 126, West Waters Hall.
Holstein-Friesian Association of Kansas, Harold Scanlan, President, Abilene; T. H. McVay, Secretary-Treasurer, Nickerson; E. Nelson, Fieldman, Holstein-Friesian Association of America, Wichita, Room 328, West Waters Hall.
Kansas Jersey Cattle Club, A. L. Miller, President, Partridge; Jim Berry, Secretary-Treasurer, Ottawa; W. J. Keegan, Fieldman, Jersey Cattle Club, St. Joseph, Mo., Room 127, West Waters Hall.
Kansas Milking Shorthorn Society, Ezra President, Quinter; C. O. Heldebrecht, William Dixon, Fieldman, Milking Shorthorn Society, Springfield, Mo., Room 132, West Waters Hall.

Luncheon, served by student members Dairy Club, Room 124, West Waters Hall.
Continuation of Meetings of State Breed Associations.
Dairymen's Dinner, Thompson Hall (Cafeteria).

Wednesday, February 3, 1954

Morning Session, Room 231, West Waters Hall, B. Marion, Associate Professor of Dairy Husbandry, Kansas State College, presiding.
Pasture Management in New Zealand, H. Anderson, Professor of Agronomy, Kansas State College.
Observations on Dairy Farming in Foreign Countries—Illustrated—Dr. Jay L. Lush, Geneticist, Iowa State College, Ames, Ia.
New Dairy Facts in 1953, Staff, Department of Dairy Husbandry, Kansas State College.

Question Roundup, Staff, Department of Dairy Husbandry, Kansas State College.
Luncheon, served by student members Dairy Club, Room 124, West Waters Hall.
General Assembly in the Auditorium.
Dr. James A. McCain, President, Kansas State College.
Room 231, West Waters Hall, Dr. F. C. Foun-Professor of Dairy Husbandry, Kansas State College, presiding.
Purebreds and Artificial Breeding, Floyd on, Executive Secretary, American Jersey Club, Columbus, O.
Feeding the Modern Dairy Cow, Dr. E. Hodgson, Assistant Chief, Bureau of Industry, United States Department of Agriculture, Washington, D. C.
What Kind of Climate Does a Dairy Cow Illustration—Dr. Samuel Brody, Professor of Dairy Husbandry, University of Missouri, Columbia.
Mileposts in Dairy Cattle Breeding, Dr. Lush.
Inspection Tours, Cattle and Feeding Systems, College Dairy Barn; Bulls and Cows, Kansas Artificial Breeding Service.

AGRICULTURAL ECONOMICS PROGRAM

Wednesday, February 3, 1954

General Assembly in Auditorium. Address—Dr. James A. McCain, President, Kansas State College.
Room 328, West Waters Hall, Annual Meeting of Directors of Kansas Farm Management Associations, Irving Hodgson, President, Management Association No. 2, presiding.
Developments in the Association Program, Williams, Dean and Director, Division of Extension, Kansas State College.
Morning Session, Thompson Hall (Cafeteria), W. Griffith, Associate Dean and Director, Division of Extension, Kansas State College, presiding.
Annual Farm Management Banquet.
Division of Farm Management Association, J. H. Coolidge, Professor and Extension Specialist in Farm Management, Kansas State College.
Decisions Ahead, F. W. PecK, Managing Director, Farm Foundation, Chicago, Ill.

Thursday, February 4, 1954

Morning Session, Room 328, Waters Hall, Dr. H. Pine, Professor of Agricultural Economics, Kansas State College, presiding.
General Business, George Montgomery, Department of Economics and Sociology, Kansas State College.
Wheat, Professor Leonard W. Schruben, Department of Agricultural Economics, Kansas State College.
Livestock and Meat, Russell Ives, Assistant Director, Department of Marketing, American Institute, Chicago, Ill.
Afternoon Session, Room 328, Waters Hall, C. Card, Professor and Extension Economist, Kansas State College, presiding.
Property Titles and Transfers, Robert on, Abstractor and Title Attorney, Manhattan.
Federal-State Relations, Louis J. Doug-Professor, and Paul H. Hepe, Assistant Professor, Department of History, Government Philosophy, Kansas State College.

AGRONOMY PROGRAM AND KANSAS HYBRIDS ASSOCIATION

Wednesday, February 3, 1954

Morning Session, Engineering Lecture Hall, Johnson, President, Kansas Hybrids Association, presiding.
Corn Root Worm Research, C. C. Burk-

hardt, Instructor of Entomology, Kansas State College. Synthetic Corn Varieties, Dr. L. A. Tatum, Agronomist, United States Department of Agriculture, Kansas State College.
1:00—General Assembly in Auditorium. Address—Dr. James A. McCain, President, Kansas State College.
2:00—Engineering Lecture Hall, Wilfred Johnson, presiding. Proper Proceedings in Using Supplemental Irrigation, W. W. Rasmussen, Superintendent, Kansas State College Irrigation Experiment Field, Concordia. Problems Encountered in Utilizing New Varieties, Dr. D. C. Smith, Chairman, Department of Agronomy, University of Wisconsin, Madison. Hybrid Sorghums, J. Roy Quinby, Superintendent, Texas Agricultural Experiment Station, Chillicothe. Results of 1953 Corn Yield Tests, A. L. Clapp, Professor of Agronomy, Kansas State College.
4:00—The Kansas Hybrids Association Annual Meeting.

AGRONOMY AND KANSAS CROP IMPROVEMENT ASSOCIATION

Thursday, February 4, 1954

Morning Session, Engineering Lecture Hall, C. C. Cunningham, President, Kansas Crop Improvement Association, presiding.
9:00—Registration.
10:00—Row-spacing Studies with Dwarf Grain Sorghums, Howard D. Wilkins, Research Assistant, Kansas State College. Soil Organic Matter, Harold G. Safran, Manager, Kansas Agricultural Chemical Company, Junction City. From Grain to Grazing, Dr. D. C. Smith, Chairman, Depart-

ment of Agronomy, University of Wisconsin, Madison.
1:30—Height Variability in Combine Sorghum, J. Roy Quinby, Superintendent, Texas Agricultural Experiment Station, Chillicothe. Using Commercial Fertilizers in Grain Sorghum Production, Dr. F. W. Smith, Professor of Agronomy, Kansas State College. New Crop Varieties, Dr. E. G. Heyne, Professor of Agronomy, Kansas State College. Kansas Crop Improvement Association Annual Meeting. Committee Reports: Resolutions, Auditing, Nominating.
4:00—A Tour of the Kansas State College Greenhouses, Dr. E. G. Heyne.
6:00—Crop Improvement Banquet, Thompson Hall (Cafeteria).

LIVESTOCK PROGRAM

Thursday, February 4, 1954

Morning Session, Room 231, West Waters Hall, Dr. Rufus F. Cox, Head, Department of Animal Husbandry, Kansas State College, presiding.
9:00—Why the Renewed Interest in Type, Size, and Other Characteristics Affecting the Utility Value of Beef Cattle, Swine, and Sheep, Dr. A. D. Weber, Dean, School of Agriculture, and Director of Agricultural Experiment Station, Kansas State College. Beef Cattle Breeding Research at Kansas State College, Walter H. Smith, Assistant Professor of Animal Husbandry, Kansas State College. Colorado's Studies on Size in Beef Cattle, Dr. H. H. Stonaker, Professor and Animal Breeding Specialist, Colorado A. & M. College, Fort Collins.
Afternoon Session, Room 231, West Waters

Hall, W. A. Moyer, Assistant Professor and Extension Specialist in Animal Husbandry, Kansas State College, presiding.
1:30—Factors of Economic Importance in Swine and Sheep Breeding, Lewis A. Holland, Assistant Professor of Animal Husbandry, Kansas State College. Size and Type in Commercial Beef Herds, Lot F. Taylor, Professor and Extension Specialist in Animal Husbandry, Kansas State College.
Panel Discussion: Leader—Dr. H. H. Stonaker. Participants—a Kansas Feeder Calf Producer, a Commercial Feeder, and a Purebred Breeder. Attitude of National Beef Breed Associations Toward Research on Size and Type. Breed Association Representatives. Question and Open Discussion Period. Visit to Barns and Feed Lots.
For further information on the program, write or contact Paul W. Griffith, Extension Division, Kansas State College, Manhattan.

Goes to India

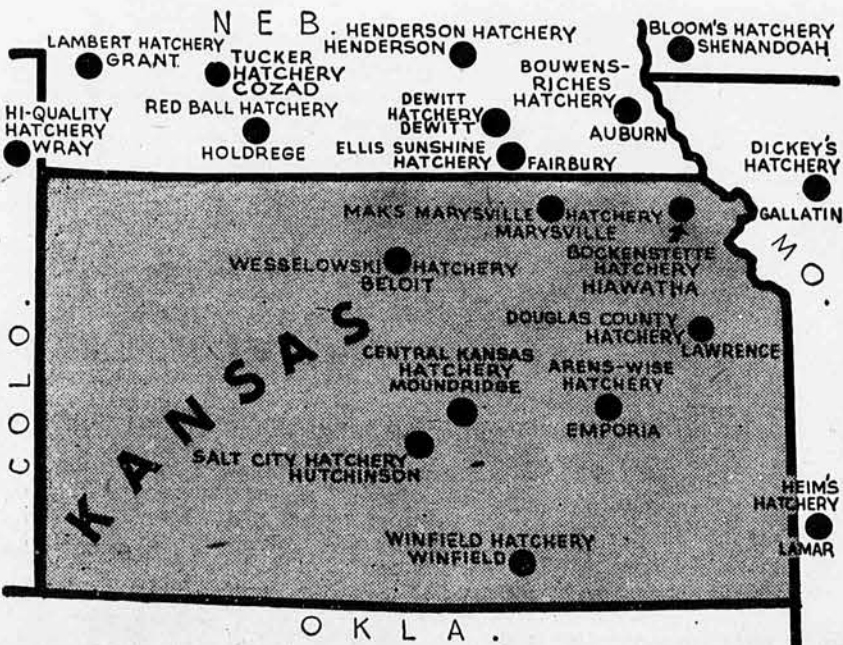
Kansas education and love of American life are among things being taken to India by David Sundaresan, Kansas State College 1953 summer graduate with a master's degree in dairy husbandry. He is a teacher of agriculture in Allahabad Institute, at Allahabad, India.

DEKALB CHIX

MILLIONS STRONG in 1954

ORDER YOUR DEKALB CHIX FROM YOUR DEKALB SEED CORN DEALER.
They Will Be Hatched and Serviced by One of these DeKalb Associate Hatcheries

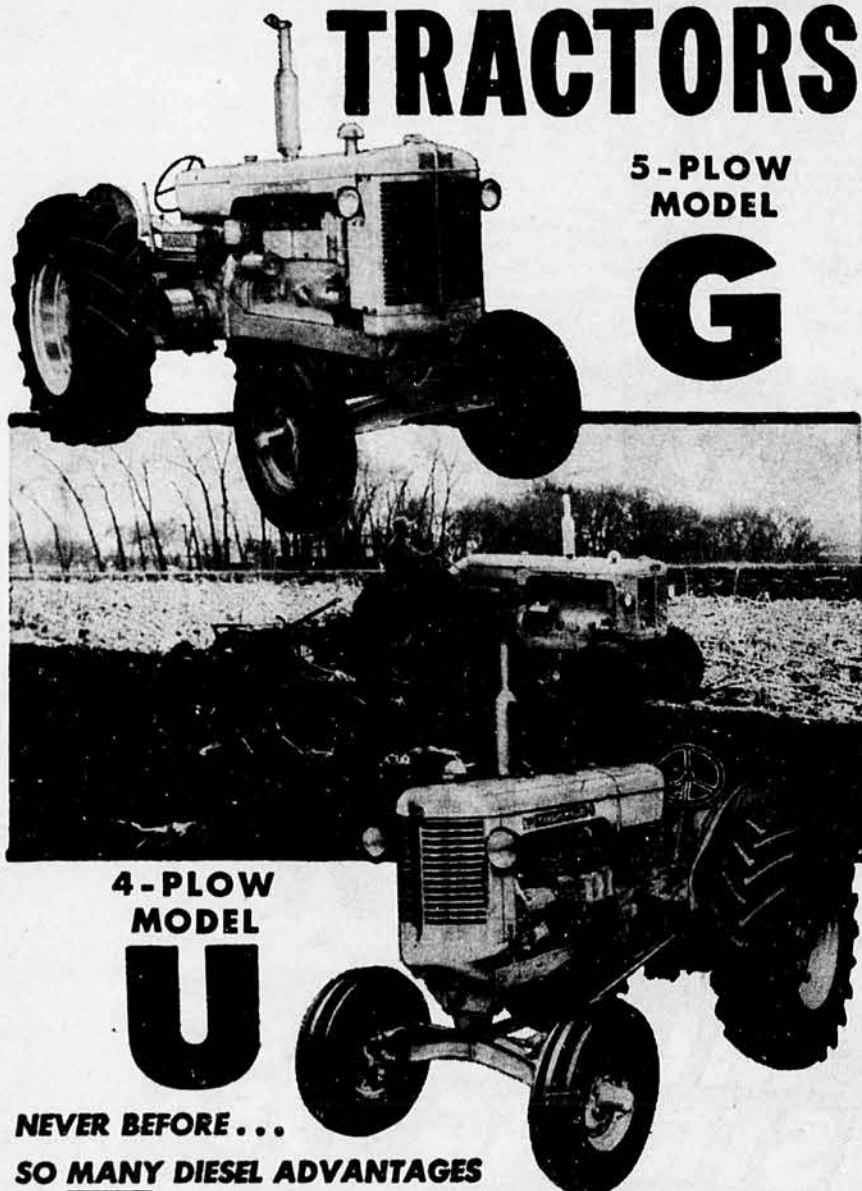
Millions of DEKALB CHIX are making MORE MONEY for MORE farmers every year. Since 1950, each year has brought a tremendous increase in the demand for these NEW and DIFFERENT CHIX... increases based on ACTUAL RESULTS that pay NEWER and HIGHER profits for their owners. Their outstanding success is YOUR key to what you should raise in 1954. Don't be satisfied with "old-style" chickens. Let DEKALB help you make more money.



DEKALB CHIX



ANNOUNCES 2 NEW DIESEL TRACTORS



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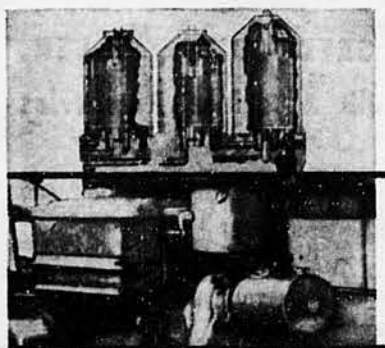
4-PLOW
MODEL

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NEVER BEFORE...

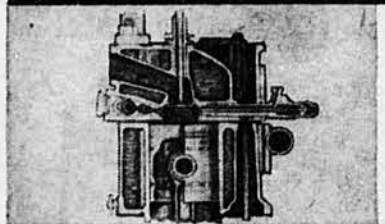
SO MANY DIESEL ADVANTAGES

+ SUCH SOUND TRACTOR DESIGN!



3-STAGE FUEL FILTER

Every drop of fuel your MM Diesel uses is filtered 3 times by fine screen and micronic paper. Thorough filtering, positive gear-type transfer pump, and reliable single-plunger injection pump give you a fuel system second to none.



12-VOLT STARTER

This husky 12-volt starter, close-coupled to a new long automotive-type battery, gives you quick starts without auxiliary engines. For easy cold weather starting, a new ether injection system is available.

MM-LANOVA COMBUSTION

Jet-flame power boosters like these MM-Lanova energy cells produce high turbulence of the fuel-air mixture in the combustion chambers. Fuel burns evenly, progressively, applies a smooth, continuous push on the piston for steady crankshaft torque, maximum lugging power from every gallon of fuel.

It's the biggest Diesel news in years! Two new Minneapolis-Moline tractors, powered for new efficiency, new farm profits, by two of the most advanced, most thoroughly modern Diesel engines in the field! You get a big reserve of Diesel power... a new high in Diesel efficiency... greater work-capacity than ever before! And until you see and drive these new MM Diesels, you'd never believe 4- and 5-plow Diesels could be so easy to handle! If you're looking for the tractor that will do more and earn more for you, ask your MM dealer for complete facts on the new MM Model U and Model G Diesels.

MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA



Donny Miller



Carol Krause

Bon-Ame 4-H Club Wins 1953 State Farm Safety Contest

ANNOUNCEMENT is made of 1953 winners of the Kansas state safety contest. Winning club is the Bon-Ame 4-H Club in Rice county. Sponsor of the contest is the Farm Safety Committee of the Kansas State Safety Council. Top individual winners are Donny Miller, Barton county, and Carol Krause, Coffey county. *Kansas Farmer* awards watches to them for outstanding achievements.

Bon-Ame has been one of the outstanding clubs of Rice county and Kansas for several years, having won the State Health Award in 1952 and one of the 6 WIBW recognition awards in 1950, in addition to many county awards.

All 33 members of the club enrolled in safety for 1953. Dwight Bennett was chairman of the safety committee, composed of Charlene Ball, Jim Engelland, Charles Carder, Joan Bowers and Earl Wright. With aid of other club members, the committee sparked these activities: window displays in business houses, contests were sponsored for younger members, "no smoking" signs were placed on gasoline containers and near other combustible materials, cars were scotch-lighted, articles were written for newspapers, weeds were cut on roadside corners and first-aid kits were made for all members and large kits were placed in the 4-H buildings on the State Fair Grounds.

State award to the club is their choice of a useful article, such as public-address system, tape recorder or movie projector.

Donny Miller, member of the Eureka Homesteader's Club, lives on a farm

near Hoisington. A senior in high school there, he is 17 years old and has completed 8 years of club work. He lives on a 360-acre farm, and has carried 4-H safety work 5 years. For 2 years he was county champion. He has surveyed safety needs on his farm and highway and taken care of the hazards in his home; promoted prevention by paper drives, checked electric cords, using safety measures when working around tractor and gasoline.

Carol Krause belongs to the Bon-Ame 4-H Club at Waverly. A senior at Burlington high school, she has been a 4-H'er 8 years. On her family's 10-acre farm she has carried these projects: baby beef, baking, clothing, canning, leadership, home improvement. She was secretary of her club 2 years and president one year. She showed safety films to her club, worked "fire safety on the farm" program as a club safety project, gave safety talks, attended safety survey meetings, surveyed farms to improve safety, took part in a radio safety program, made posters, wrote newspaper articles and set up window displays.

KSC Ag School Makes Changes

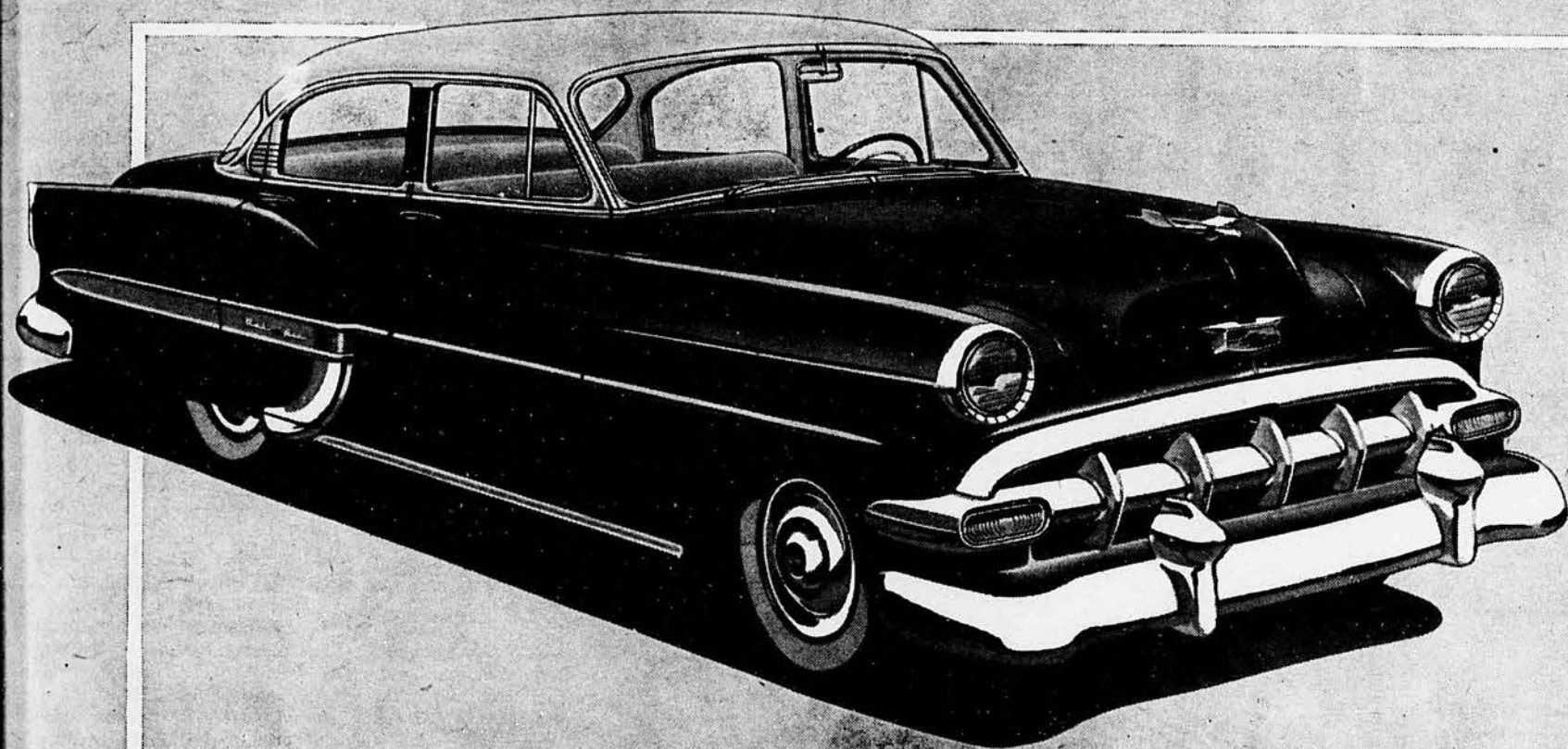
Students at Kansas State College now have 2 new curriculums in the School of Agriculture — technical agronomy and horticulture. There are 11 students enrolled in technical agronomy and 14 in horticulture.



BON-AME 4-H CLUB in Rice county is 1953 winner of State Safety Contest. Members shown above are, front row, left to right, Rodney Engelland, Bill Ball, Dick Welch, Richard Engelland, Dubby Rakestraw and LeRoy Matheson. Second row, left to right: Mrs. Ralph Ball, (leader), Donna Powers, (president), Fira Sue Oden, Dorothy Taylor, Charles Carder, Charlene Ball, Judy Martin, Betty Engelland, Melody McFarland. Third row, left to right: John Engelland, Bob Oden, Jim Engelland, Bill Calderwood, Dwight Bennett, Earl Wright, Joan Bowers, Carol Sue Eklund, Anita Sue Hobbie, Don McGurk, Carol McGurk.

The New 1954 Chevrolet

Powered for Performance! Engineered for Economy!



The new 1954 Chevrolet Bel Air 4-Door Sedan. With three great series, Chevrolet offers the most beautiful choice of models in its field.

Brimming with beauty outside and in . . . new power and economy . . . this is the new car that combines finer performance with money-saving gas mileage!

You can sum up this new 1954 Chevrolet in one simple statement of fact: *It offers more of the things you want—at lowest cost—than any other car ever offered you before.*

For instance, there's great new high-compression power to bring you finer performance and outstanding economy on country roads as well as in town. Whether you choose Powerglide or a gearshift model, you get an important gain in acceleration and hill climbing, new quietness and smoothness of operation combined with money-saving gasoline mileage.

Then, there's eye-pleasing new beauty outside and in—

exciting new colors, new and finer fabrics, new styling refinements all around the car.

And besides, the new Chevrolet for '54 brings you the wonderful convenience of new automatic front window and seat controls,* if you wish.

You'll find all this and much, much more awaiting you in the lowest priced line in the low-price field. Doesn't it suggest an early visit to your Chevrolet dealer's? Plan now to stop in and see the beautiful new 1954 Chevrolet. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

Some important new Chevrolet advantages . . .

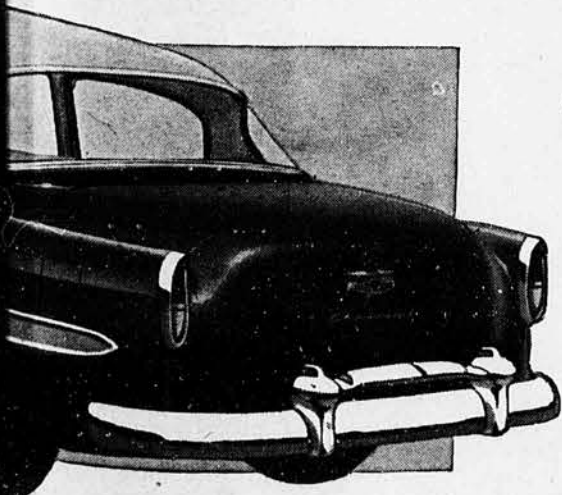
New styling that stays new. Chevrolet's the only low-priced car that offers you the lasting good looks of Body by Fisher. And fresh, new 1954 styling makes it even more of a stand-out.

Thrifty new power in all models. That's what Chevrolet brings you with two great high-compression engines—the "Blue-Flame 125" in Powerglide models and the "Blue-Flame 115" in gearshift models.

New automatic window and seat controls. A touch of a button

adjusts front windows. Another control positions the front seat. (*Optional on Bel Air and "Two-Ten" models at extra cost.)

Powerglide for all models, and a new low price on Power Steering. Now you can have Powerglide—the smooth, thrifty automatic transmission with the instant acceleration—on any model—and enjoy the ease and safety of Power Steering at a saving. (Both features optional at extra cost.)





Now... 15% MORE POWER FOR ANY TRACTOR! add-**POW'R** TRACTOR PISTONS Bring you 3D Power

LARGER DIAMETER
GREATER DISPLACEMENT
MORE RAWBAR PULL

Overloaded engines take more gas. With Add POW'R Pistons your tractor does more work on every gallon of fuel. That's real power economy. Lloyd Price, winner of 1953 Indiana Economy Plowing Contest says, "Add POW'R Pistons helped me pull a 3-16" bottom plow on less gas and win the economy championship. Install the pistons of plowing champs. No down shifting in the tough spots. Insist on genuine Add POW'R—the most copied, most powerful tractor pistons.

Add POW'R Fits These Tractors
Farmall, John Deere,
Allis Chalmers, Case,
Oliver, Massey Harris,
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NEW Live-**POW'R** P.T.O. Constant Speed Independent of Ground Travel

Does auxiliary engine work. Stops slugging of pto driven machines. Fits Farmall H, M, Super H or Super M. Handles twice the power your Farmall can produce. The only continuous pto with this 2 to 1 safety factor.

Live-**POW'R** PUMP Continuous Two Way or One Way Live Hydraulic System

One way or two way operation at the touch of a finger. Fits both present or new equipment. Complete unit for Farmall M. Nothing else to buy.

M and W Nine Speed Transmission
Gives Farmalls 4 More Field Speeds
Adds 6, 7½, 9 and 11 mph. Adds extra reverse and pto speed. Saves gas—saves hours! Fits all Farmalls!

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LITERATURE



M and W GEAR COMPANY
1501 Green Street
ANCHOR, ILLINOIS

FROM A MARKETING VIEWPOINT

Prepared by Marketing Staff of Kansas State College: James R. Hoath, Ray Hoss, M. E. Jackson, Paul L. Kelley, Joe W. Koudele, Milton L. Manuel, John McCoy, Leonard W. Schruben, L. W. Van Meir, Norman V. Whitehair, George Gerber.

What are prospects for fed heifers next summer?—F. W. S.

Considering the present cost of stock cattle, a good heifer program should rank near the top in cattle feeding enterprises this year. This would be particularly true if they were headed for an August or September market.

Several factors favor feeding heifers. They can be bought from 3 to 4 cents per pound under steers of the same quality. Marketed in slaughter condition, grading choice, during late summer or early fall, they will sell very close to or at the same price as steers of the same quality and grade. The seasonal peak for fed heifer prices occurs early in fall, usually August or September.

A desirable market weight for slaughter heifers is about 850 to 925 pounds. That means starting now with heifers weighing in the vicinity of 475 pounds. During recent weeks, good and choice quality heifer calves have sold around 16 to 17 cents per pound. Those bought early were considerably cheaper.

Present indications are that demand for red meats will continue strong. It is expected, however, that cattle slaughter will again be large and seasonal price weakness in certain grades and classes can be expected to develop during heavy marketing periods.

Thruout last August and September, slaughter heifers grading average choice sold around \$24 per hundred-weight. It appears now there is a chance for heifers of similar weight and finish to sell somewhere near that figure this summer. Combine sharp buying with efficient feeding and this heifer program should merit consideration.—R. M. H.

How do I go about finding the parity price for milk? Is it figured the same way parity of wheat is calculated?—E. A.

Method of calculating parity seems a little complicated at first. However, I believe if we go thru the following steps I can show how the Secretary of Agriculture figures parity for milk.

First of all, authority for price-support operations for dairy products comes from the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948 and 1949. The Act of 1949 specifies that the price of whole milk, butterfat, and the products of such commodities, respectively,

shall be supported at between 75 and 90 per cent of parity. The exact level chosen in this range is determined by the Secretary of Agriculture in order to assure an adequate supply of milk. He must consider the following factors:

1. Supply of milk in relation to demand.
2. Price levels at which other commodities are being supported.
3. Availability of funds.
4. Perishability of the commodity.
5. Importance of the commodity to agriculture and the national economy.
6. Ability to dispose of stocks required thru a price-support operation.
7. Need for offsetting temporary losses of export markets.
8. Willingness of producers to keep supplies in line with demand.

Now let us see how parity prices for milk and butterfat are determined. The price-support act requires the Secretary to use prices published by the Bureau in determining parity prices. However, this agency published only 2 price series, one for butterfat (farm-separation)

Don't Take a Chance!

HAVE YOU EVER carried a lot of equipment while climbing a ladder? It's dangerous! Hoist them with a hand line, if they can't be carried in pockets. Don't take a chance!

cream), and one for all milk at wholesale over a long period of years. The latter price series includes grade-A milk and grade-C milk.

Since it was desired to support prices of products of manufacturing milk (cheese, evaporated milk, dry milk and butter) at a different level than farm butterfat, it was necessary to compute a "parity equivalent" for manufacturing milk. This was done by determining the relationship of weight averages of prices of milk going to the major manufacturing uses to prices received by farmers for all milk sold wholesale during July, 1946-December 1948. It was determined by this method that the price of manufacturing milk was 88.5 per cent of the price of milk sold at wholesale. The "parity equivalent" of manufacturing milk is therefore defined as 88.5 per cent of

(Continued on Page 22)

NOW FEEDING 1950 CANE SILAGE



BURIED 3 YEARS, this cane silage is being fed by Lester Conner, of Lyons. Trench was filled with 300 tons of silage in 1950 and covered with earth for reserve supply. Silage is heavy and succulent tho infested with grubs where spoilage exists. With his grade-A setup, Mr. Conner filled 2 upright silos with cane last year. Both are usually filled with alfalfa but short crop last summer was taken for hay. Part of last year's silage has been traded for alfalfa hay according to Mr. Conner.

B.F. Goodrich

Power-Grip Tractor Tire will do a great traction job for you, too!



Looks bigger—it is bigger!

The powerful, new B. F. Goodrich Power-Grip tractor tire, built to do a great job of traction. Knife-action cleats bite easily into the soil, take a firm, non-slip hold. Full power in forward or reverse is the result, even in rough going. Power-Grip cleats are wider at the shoulders for deeper penetration, greater drawbar-pull. You can keep on going in any kind of going. You'll cover more ground in less time.



Bigger shoulders!

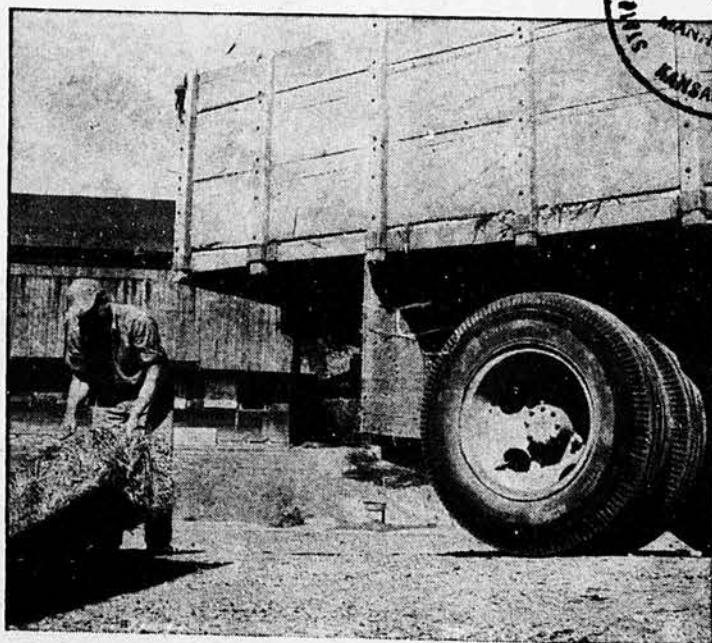
The bigger Power-Grip shoulders are reinforced at the base to give them extra support. They stand rigid even on hard surfaces. They bite into the soil without bending. And the shoulders are square cut to defy slippage. Every turn of a B. F. Goodrich Power-Grip tire counts for maximum traction. Dirt falls from the open-center tread and open channels as the tire rolls. Power-Grip tires stay clean, and only clean tires can give you full traction.

The B. F. Goodrich Power-Grip is the biggest tractor tire value on the market today. It's the tire that comes on new tractors.



Bigger cleats!

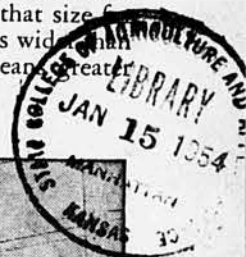
You get more tire, more working power for your money with the big B. F. Goodrich Power-Grip tire. The cleats have a bigger face area to press against the soil, pull you through faster. Count the cleats on leading makes. Time after time you'll find that size for size, the BFG tire has more cleats. And no other tire is wider than Power-Grip! A big, broad tread with extra cleats means greater power for you.



Wonder Tread truck tire!

That's what users call the BFG Heavy Duty Express truck tire. The tread is flat and compressed, will give you bonus miles of service at no extra cost. See your B. F. Goodrich retailer. He has

tires for every farm need. The address is listed under Tires in the Yellow Pages of the phone book. Or write The B. F. Goodrich Company, Tire & Equipment Div., Akron 18, Ohio.



Easier Handling

ARMOUR Pebble



Gives Crops a Fast Start and a Strong Finish

When you feed your crops Armour Pebble it's like putting money in the bank. Free-drilling Pebble gives crops the nourishment boost they need at planting yet feeds completely all the way through the growing season. You get bigger, finest-quality yields that bring extra cash profits.

With Pebble you save on labor, time and storage, too. Pebble keeps well in storage under normal conditions. It rolls through the drill, goes down easier with no clogging and won't blow away. See your friendly Armour agent today. Get Armour Pebble for the finest crops you ever grew.



ORDER EARLY!

Get your Pebble now, while your Armour agent has a good supply. Prompt delivery may be difficult on late orders.

Pebble is available in a variety of high analyses. It saves you money, time, labor and storage space because Pebble contains more plant food per ton at a lower cost per unit.

Look for the Big Armour !

ARMOUR FERTILIZER WORKS

MORE FARMERS USE ARMOUR'S

From a Marketing Viewpoint

(Continued from Page 20)

price of milk which is sold at wholesale.

Now we have one step out of the way. The next problem is how do we determine the parity price for all wholesale milk and the parity price for butterfat? The method used under the present law is as follows:

1. The average of prices received by farmers for (milk or butterfat) for the 10 preceding years is calculated (war-time subsidy payments on milk and butterfat are included in the calculations).

2. This 10-year average is divided by the average of the Index of Prices Received by Farmers for the same 10 preceding calendar years to give an "adjusted base price." Wartime subsidy payments for those commodities on which such payments were made are included in the Index of Prices Received.

3. The parity price of a commodity is then computed by multiplying the "adjusted base price" for that item by the current Parity Index (The Index of Prices Paid by Farmers, including Interest, Taxes, and Wage Rates, with 1910-14=100).

The Secretary of Agriculture last February (1953) decided that prices received by farmers for milk and butterfat would be supported at 90 per cent of parity for the marketing year April 1, 1953, to March 31, 1954. Based on the parity index as of last February, 90 per cent of "parity equivalent" for manufacturing milk was \$3.74 per hundred pounds of 3.95 per cent fat and 67.3 cents per pound for butterfat. To carry out this objective the Commodity Credit Corporation stands ready to buy creamery butter, cheddar cheese and nonfat dry milk solids at given prices. Cheese and dry milk are purchased at uniform prices thruout the U. S. However, butter is purchased on a "basing point" price method. The base prices apply to the terminal markets of New York, Chicago, Seattle and San Francisco. At any other points the purchase price of butter is at the price of the market named by the seller less 80 per cent of the lowest published domestic railroad carlot freight per pound gross weight from the offer point to the designated market.

The following prices are used for the current marketing year.

	Butter—Cents per Pound Grade-A or Higher	Grade-B
Chicago	65.75	63.75
New York	66.50	64.50
San Francisco	66.75	64.75
Seattle	66.75	64.75

	Cents per Pound
Cheddar Cheese	37.00
Nonfat dry milk, Extra Grade	
Spray	16.00
Roller	14.00
Evaporated Milk	None

It is possible, since the program is designed to support prices on a national level and for a marketing year that prices in local areas can be considerably below the prices stated. Also, it should be pointed out there is no parity price as such for what is commonly known as grade-A milk.—P. L. K.

Will you please tell me the price of eggs at Kansas City, Mo., and also the price paid (approximately) the last 12 months.—C. E. M.

You may be interested in comparing prices on both a graded basis current receipts (straight-run). Therefore, I am sending you the age monthly prices paid produce country points in the Kansas City market area, returns based on actualing, cases returned. (See table of this page.)

I have some white corn on Should I sell it now?—R. K.

Several things need to be considered when deciding whether to sell corn this time of year. One thing of major importance is condition. If it is dry and in good condition not likely to go out of condition the next 90 days, it probably will be price-wise to hold it for a while in order to see what the market will do.

Of course, you need to consider the insurance cost and the trouble to after it also is important. Whether need the space to store something should be considered. If you have in commercial storage, the additional

For Fun or Profit

A hobby show may interest a surprisingly large number of farmers in your community. It can be just for fun, or to raise money for some worthy cause. Our leader "A Hobby Show," tells just how to organize and plan such a show. Send 3c to Home Service Editor, Kansas Farmer, Topeka.

price rise in prospect will more pay cost of storage if the price actually go on up. I expect white will sell for \$2 or more per bushel year basis Kansas City for No. 2 or better.

If you have very much white it will pay you to watch the market closely. White corn prices sometimes move very quickly and sometimes take a tumble just when it looks like they should go up. If the price of white corn should decline 3 cents a day more than yellow for as many 4 days or drop as much as 15 cents a bushel, it would indicate that supplies of white corn are adequate for the remainder of the season and further increases were not likely.—L. W.

Preserve Food New Way

Use of accelerated electrons to preserve food may revolutionize the industry, it was reported at the meeting of the American Society of Agricultural Engineers.

Tests, using such accelerated electrons, have been made on wheat and beans infested with insects. Small dosage of electrons can stop insect eggs and prevent adult from reproducing. Larger doses necessary to kill adult insects.

The temperature rise in food by the electron treatment is used nearly so great as with the method of sterilization. It was pointed out that in the future wheat, flax and other foods may be treated with accelerated electrons to stop insects.

Month	Grade A (Large)	Grade A (Med)	Grade B (Std.)	Grade C	Checks & Ditties	Current
Nov. 1952	49.0	38.7	38.5	24.2	21.2	36.5
Dec. 1952	41.7	36.7	36.3	23.6	19.8	36.5
Jan. 1953	41.0	35.1	36.0	23.1	20.0	34.1
Feb. 1953	39.8	36.2	36.2	27.0	21.9	35.5
Mar. 1953	42.7	38.1	38.1	32.8	25.6	38.1
Apr. 1953	44.0	39.4	39.4	31.8	21.8	39.4
May 1953	45.4	41.4	41.3	32.0	22.4	41.4
June 1953	45.1	40.8	36.7	31.6	31.6	36.7
July 1953	46.2	41.2	36.2	30.0	30.0	36.2
Aug. 1953	46.8	42.0	36.5	30.0	30.0	36.5
Sept. 1953	49.4	41.0	38.6	30.0	29.1	38.6
Oct. 1953	50.5	38.8	39.2	29.2	28.9	39.2

—J. W. K.

See them now!



New FORD TRUCKS for '54 featuring **TRIPLE ECONOMY** New savings in the 3 most important truck saving areas

1. NEW Gas-Saving, Low-FRICTION, High-Compression, Overhead-Valve, Deep-Block Engines in all Ford Trucks! Power increases up to 23%

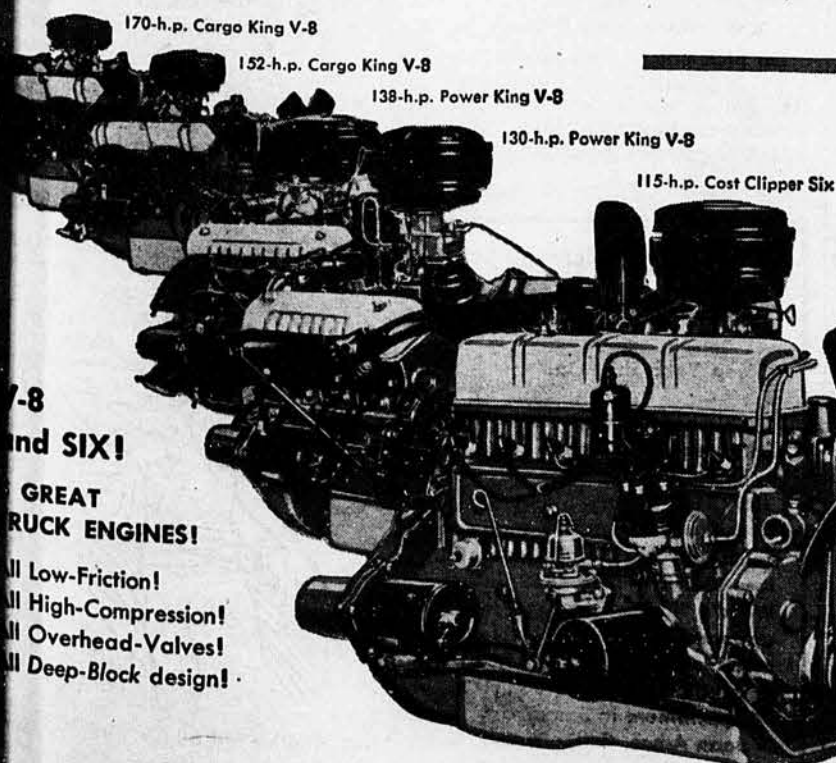
Now, you get a gas-saving Low-FRICTION engine in any Ford Truck you choose with new horsepower ranging from 115 to 170! The short-stroke design of these engines cuts internal friction loss up to 33%, liberates more usable hauling power, provides new economies.

2. NEW Driverized Cabs! NEW Master-Guide Power Steering! NEW Power Brakes! NEW Fordomatic Drive on all light models!

Ford's 3-man Driverized Cabs cut fatigue, conserve energy! New Master-Guide Power Steering standard on Series T-800, optional (extra cost) on most other Ford Big Jobs, cuts steering effort as much as 75%! New Power Braking, for 1/2-ton models, new Fordomatic Drive for all light-duty models, available at extra cost.

3. NEW Money-Saving Capacities! More payload—less deadweight! New Six-Wheelers! New Bigger Cab Forwards! Over 220 Models!

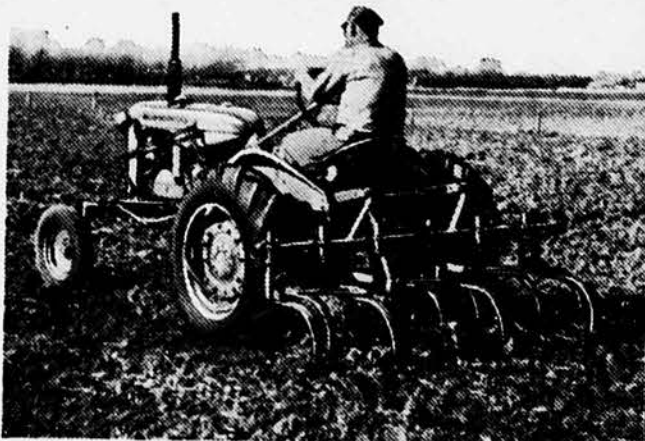
New '54 Ford Trucks go from Pickups to 60,000-lb. G.C.W. Big Jobs—two brand-new Ford Tandem-Axle Big Jobs, rated up to 40,000 lbs. G.V.W.! Two more giant new Ford CAB FORWARD Series haul 35-ft. legal-limit trailers in every state! Reduction in curb weights increases payload capacities in most models.



NOW! Mightiest concentration of power per cubic inch ever built into any truck engine line! Only FORD has it!

For the power they develop, Ford Truck engines for '54 have *less cubic inches of displacement* than engines in other-make lines. For example, Ford's 239-cu. in. Power King V-8 develops its 130 h.p. from as much as 43 cubic inches less displacement. Smaller-displacement engines normally need less gas. That's why Ford concentrated power is a big factor in new Ford Truck **TRIPLE ECONOMY**! See your Ford Dealer for complete details!

ALLIS-CHALMERS Mounted Field Cultivators



PREPARE
SEEDBEDS
★
KILL WEEDS
★
LOOSEN SOIL
★
BRING SOD
TO LIFE

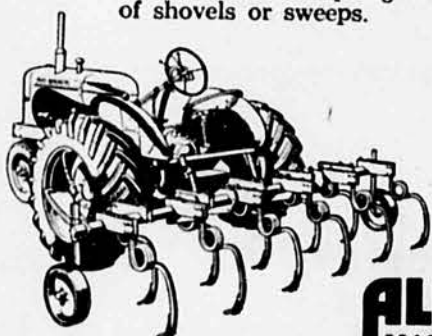
Spring-tooth models
for G, B, C, CA, WD
and WD-45 Tractors
in sizes to fit each.

Here's a low-cost tool that can make you money!

Excellent for deep seedbed preparation. Breaks up tough surface crusts, thoroughly mixes the soil with a vigorous pulsating action . . . opens it up to receive and hold moisture. Also ideal for renovating pastures and meadows, summer fallowing, killing weeds.

Every part of these tool-bar mounted cultivators is built to take strains of deep penetration in heavy soils. They are hydraulically lifted and lowered. Can be quickly removed as a unit, and replaced without disturbing spacings or adjustments.

Available in spring-tooth and coil-shank styles with choice of shovels or sweeps.



Heavy-Duty Coil-Shank Type Cultivators for CA, WD and WD-45 Tractors. Shanks are adjustable to assure uniform penetration.

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

You know they need it,
they know how much...



MORTON TRACE MINERALIZED SALT

Feed it free choice! Yes, for maximum profits at market, all your cattle need plenty of Morton Trace Mineralized Salt. Morton's T. M. Salt tones up an animal's system . . . helps him make the most of what he eats. In combination with your fa-

vorite calcium-phosphorus mineral, Morton Trace Mineralized Salt gives livestock all the minerals they are known to need . . . supplies these trace minerals in their most palatable form, mixed with salt. Get Morton T. M. Salt at your feed dealer.

Trace minerals
are thrift minerals

because they help make more meat,
more milk, more wool per feed dollar

Iodine
Cobalt
Manganese
Iron
Copper
Zinc



MADE BY THE MAKERS OF FAMOUS MORTON TABLE SALT



FARMING FOR PROFIT

By LEONARD W. SCHRUBEN
Professor of Agricultural Economics
Kansas State College

It Pays to Keep Tab on the Market

This is written to help you follow market developments. What do you pay attention to when reading a market report or hearing it on the radio? Your farm profit may be increased by following a good marketing program. A sound marketing program must be based upon up-to-date knowledge of market conditions. This article gives you some pointers for checking market reports.

DO YOU "GET THE MARKET" every day but don't know for sure what to do with it? Some important developments affecting your profits may easily be overlooked unless you are systematic in keeping abreast of the market.

Use a Reliable Source

A chain is no stronger than the weakest link and a market report is no better than its source. So you must be sure your report is issued by a reliable party.

It isn't difficult to find reliable reports. Many daily and weekly papers carry a report of recent developments. Government agencies have market reporters in the larger markets and issue daily, weekly, monthly, and annual reports for most agricultural products. Of course, regular radio reports are available by merely turning a knob.

It's a good idea to compare the price quotations on several reports to see whether they are in agreement. If not, you'd better investigate to find out why they disagree.

Keep Up-to-Date

Don't let your knowledge of the market be too little or too late. Markets move fast and out-of-date information may lead you to make unsound decisions.

Time was when it was difficult for a plain dirt farmer to know what was going on in distant markets. But now it's easy for you to keep up-to-date. Form a regular habit of checking at least one market report each day for the major products you have for sale. And if you are buying grain, hay or supplement don't overlook the fact that prices of things you buy may change, also.

Follow Same Product

Do pick one or two products at the start. If you grow wheat and feed cattle, follow these two. Furthermore, pick out the kind of wheat and the kind of cattle you produce. One of the first

"don'ts" is don't try to follow all markets for all farm products all time. It would be impossible.

There will be plenty of time to break out after you get the hang of reading or listening to reports for your many products. It takes a while anyone to become familiar with style of a given type of report. The point is if you start out in a big way you can easily use all your time studying the market and not have time over to produce something to sell the other hand, it's easy to follow several products if you get started before the heavy field work begins.

Keep a Record

How do you know what the true prices may be unless you have some kind of record? Now, don't let your work scare you. A simple jotting of

Don't Take a Chance!

HAVE YOU EVER driven your car on a highway at twilight without turning on your lights? Sometimes motorists can't see you in time when passing cars at twilight. Don't take a chance!

of prices at regular intervals may be enough. Maybe one day a week will suffice. A record book which can easily be made from a small notebook may be your best bet. It can be ruled in several columns with the date on the edge shown in the accompanying chart. It is handy and it will work for you.

Of course, if you are so inclined, you can go in for as complicated a system as you want. Professional price analysts have developed charts and grams of a very complicated nature. While a chart or two may be quite useful, most farmers do not have time to keep them up-to-date in the busy season.

Watch for Trends

Forecasting prices is risky business. No one has found a perfect method to insure that his forecasts will be correct. That is why you need to watch for trends in prices. Only you can make the final decision as to when to buy and sell. It's a good idea to become familiar with seasonal price movements before prices of some products are depressed.

(Continued on Page 25)

I WONDER HOW THAT STARTED

"Keep Your Shirt On!"

This old saying, meaning to hold one's temper or not to get in too big a hurry, was described as early as 1859, in Hotten's Slang Dictionary. Its first use was as "To get a person's shirt out," meaning to cause him to lose his temper! In 1863, in Artemus Ward's "In Washington," the saying appeared as "Keep his undergarments on," and by 1934, as "Keep Your Shirt On," in John O'Hara's "Appointment in Samarra."

Joan Amos, Colby, asked us about this familiar old adage. What's yours? Just send it to "How That Started?" Kansas Farmer, Topeka.



the same season each year and other during another season. Price forecasts have been helping KANSAS STATE COLLEGE pioneers in providing this type of service to farmers of this state. Trends are set each month and are available from your County Extension Agent. Farm magazines now have space to economic forecasts.

Price Isn't Everything

Sometimes it's too easy to overemphasize price. An adequate market report also includes information about volume, volume of trading and an indication of the general tone of the market. Also, you should check to see whether trading was actually done in the product you expect to sell. If so, it was a test of the market for your crop; if not, maybe the quoted price is no good a reflection of the market. Check for crop and livestock reports. The U. S. Department of Agriculture issues a regular report on conditions of growing crops, as well as livestock markets. They are released in such a way that everyone has an equal chance to know about crop conditions.

Radio Offers Market Information

Every farmer in Kansas is within reach of current market reports if his radio is in operation. You need to find out when market reports are broadcast and you need some sort of notes to record prices and compare to prices with those of the past week, month or year. Sometimes when the radio is in the barn it's not convenient to listen down the quotation every day. With a little practice you can remember prices of several products until convenient to write them down.

No. 2 Wheat	No. 2 Yellow Corn	Eggs, Current Receipts	Hogs 200-25
2.60 1/2	1.57 1/4	12.60	23.35
2.61 1/2	1.57 3/4	12.60	23.85
2.62 1/2	1.57 1/2	12.60	24.25
2.62 3/4	1.57 3/4	12.60	23.85

Editor's Note: Tune in WIBW markets, 12:20 o'clock at noon, Monday through Saturday, by Wes Seyler.

Check Your Grain Bins!

An aggressive educational program in grain sanitation has been recommended by a special grain sanitation committee in Kansas. "This educational program should reach the farm to the ultimate consumer," says Dr. Roger C. Smith, head of the Kansas State College entomology department. The committee's report was made after a 4-year study of 700 grain bins, which indicated one source of insect infestation is commercial feeds. Whether purchased or home-grown it can be a major source of insect infestation unless strictest sanitation is followed, some sources claim.

Services Available

WIBW—580 kc

Radio in

Lawrence, Kan.

Monday thru Saturday

- Levering's Farm Time, including News, Weather, Farm Sales.
- Farm Tips and Topics, Levering.
- Weather direct from U. S. Government Forecast Center.
- Farm Service Show, Wes Seyler.
- Weather and World-wide News.
- Levering's Fertilizer Facts (except Sunday).
- Weather Bureau and Farm Dinner hour.
- On Weather and News.
- Wes Seyler Noon Market Reports.
- Complete weather forecasts (except Sunday).
- News with weather report direct from U. S. Government Bureau.

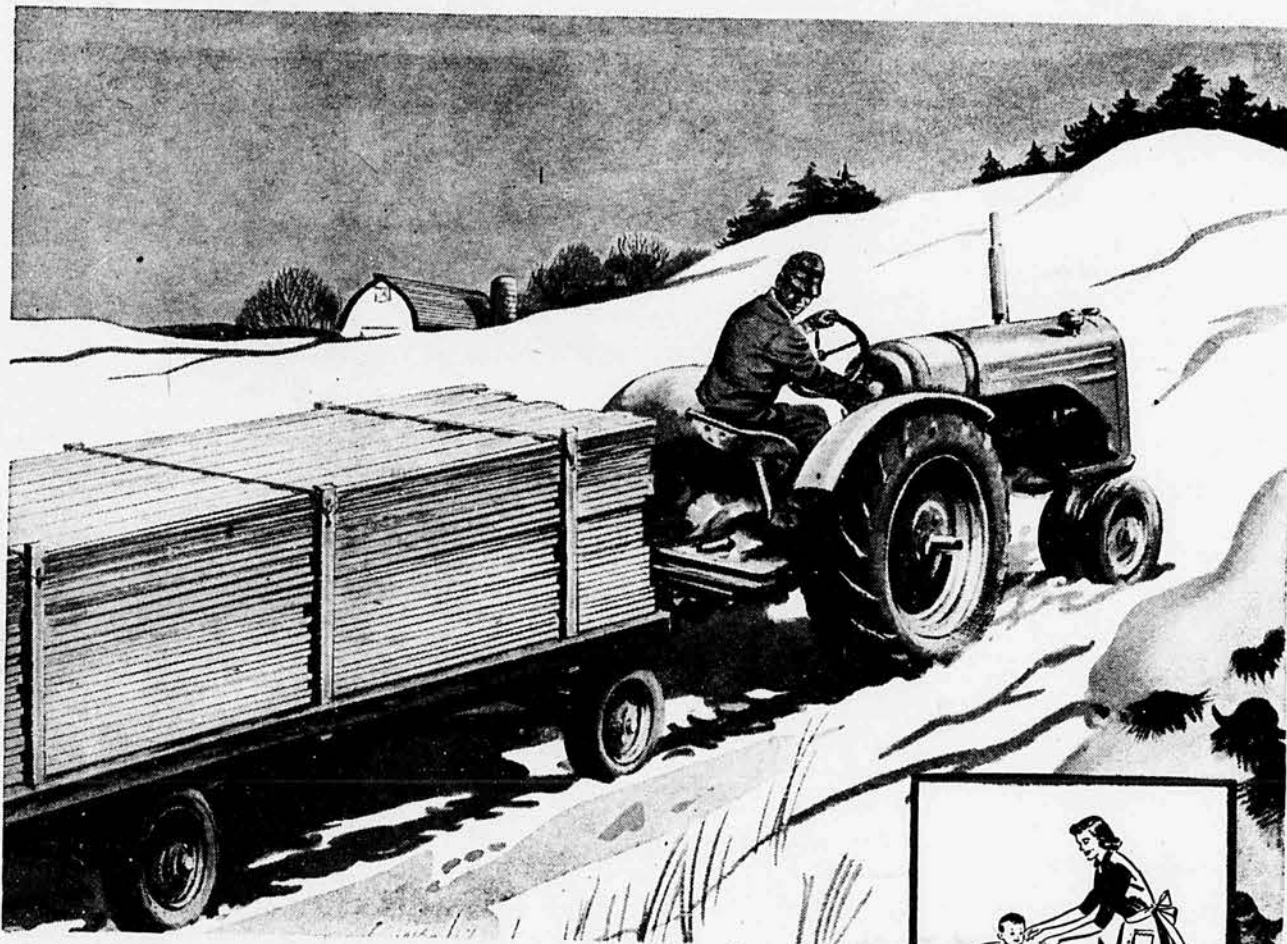
Monday only:

- "RFD Round Table with Wes Seyler"
- Monday only:
- Always Weather Report (Direct from Weather Bureau).
- Kansas News and Farm Sales.
- Seyler's "Farmers' Forum."
- Farm News and Facts.
- U. S. Government Weather Bureau reports.

SUPER POWER

and Super Savings, too...

with **PHILGAS***



Convert your tractor to this clean, modern fuel!

Philgas reduces fuel and maintenance expenses because it burns clean. There's less oil contamination . . . less engine deposits on rings and valves . . . you need fewer engine overhauls.

Switch to Philgas tractor fuel and see how fast savings add up! Savings on fuel often pay the cost of converting.

The tractor you now use can be converted to Philgas at low cost. Or if you are thinking of

buying a new tractor be sure to investigate one made for Philgas operation.

Use Philgas for cooking, water heating, refrigeration, gas clothes dryers, milk can sterilizer heaters, stock tank heaters—and for many other jobs all around the farm. A central tank for Philgas, refilled occasionally from your Philgas distributor's tank truck, can supply all your needs . . . at an amazingly low cost.

*Philgas is the Phillips Petroleum Company trademark for its high quality propane-butane LP-Gas or bottled gas.



See your nearest
Philgas
Distributor
for full
information and
free literature

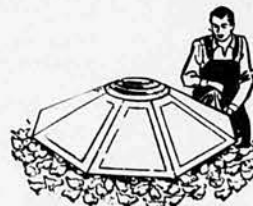
PHILLIPS PETROLEUM COMPANY • BARTLESVILLE, OKLAHOMA



FOR HOT WATER—Just set the dial for the temperature you want. Philgas does the rest automatically.



FOR COOKING—It's the ideal cooking fuel—clean and dependable. Philgas is especially processed to assure uniformity and high heat content.



FOR CHICK BROODERS—Always even heat under the canopy with Philgas. Storms won't cut off the heat with your fuel supply tank safe in your own yard.

Kansas Farm Home and Family

By FLORENCE McKINNEY



VOTING DELEGATES from Kansas Farm Bureau study program at ACWW meeting in Toronto. Left to right: Mrs. G. W. Bennington, El Dorado; Mrs. K. G. Braden, Eureka; Mrs. Victor Haflich, Garden City; Mrs. H. D. Wingert, Wellsville; Mrs. Virgil Morton, Oberlin.

MRS. WALTER ZOOK, Pawnee county, believes that the country women of the world must take a leading part if world peace is to be achieved.



Associated Country Women of the World Say . . .

Together, We Can Move Mountains!

THERE ARE PEOPLE who like to travel just to be traveling. But Mrs. Walter Zook, of Zook in Pawnee county, not only likes to travel, she likes to travel to a certain destination where something of importance is likely to take place. Her most recent journey, the trip to the 7th triennial conference of the Associated Country Women of the World, in Toronto, Canada, she declares to be one of the most outstanding events she has ever experienced.

The trip itself was alive with scenic and historical sights of beauty and significance. Upon entering Canada, the display of affection and loyalty of the Canadians for Queen Elizabeth was manifest in even the most remote corners. Mrs. Zook and her party stayed at the Royal York Hotel in Toronto, the largest hotel in the British empire. Both service and courtesy extended them were exceptional.

Boundless Enthusiasm

Mrs. Zook's enthusiasm for the Country Women's Association is boundless. Founded in 1933, the international organization meets only every 3 years. It met in Washington in 1936 and at that time 27 countries were represented. Japan joined the past year. The ACWW is comprised of 124 rural women's organizations; the Kansas and National Home Demonstration Councils being affiliated with the Country Women's Council. Nearly 1,000 delegates and observers attended the meeting.

Mrs. Zook was there as an accredited visitor from the Kansas Farm Bureau with all the privileges of a delegate except voting. Many women from various countries, where expense of the trip was prohibitive, were sponsored by groups or societies in agricultural development, such as the Ford Foundation.

Mrs. Raymond Sayre, chairman of the Associated Women of the American Farm Bureau Federation has been president of the ACWW for the past 6 years. At Toronto Mrs. A. M. Berry, of Australia, was elected president for the coming 3 years.

The opening meeting of the session was held at Convocation Hall having been arranged by the Women's Institutes of Canada. Institutes correspond to our home demonstration units. One of the colorful and impressive ceremonies of the evening was the parade of flags from all the countries by girls in white uniforms. Mrs. Sayre gave an address on "The Need of Food in the World," stressing the lack of it in many

sections and the effect on world peace. She repeated that it was one of the sincere goals of the organization to make available to the underprivileged women of the world, the things necessary to raise living standards.

After the opening address most of the remaining days were spent attending various round-table discussions in a serious and sincere effort to understand and explain problems facing each. Two outstanding problems were economic and labor, with labor being most important as far as most of the women were concerned. They were discussed thoroughly and relations drawn upon international wheat agreements and world trade.

One thing Mrs. Zook noted was the fact that nearly all the country women actually live in towns and villages, not on the land itself. In most small countries this arrangement is practical and traditional as all the soil is then available for tillage.

Not Complete Answer

In one of the most heated discussions B. Alaman from Holland stated that although he did not claim to have a cure-all for the economic problems of the farmer, she would like to point out that her country had achieved great success with co-operative markets. Everything that was to have for sale is taken care of thru the co-ops. But women from the United States, while agreeing it might be of some advantage, believe it is not a complete answer for a country as large as ours.

One delegate from Ceylon made an outstanding resolution concerning the underprivileged peoples of the world. She revealed that 99 percent of the women on the land in her country were illiterate. There [Continued on Page

Discovery

I always dreaded winter
For what it had in store,
Until I brought some summer
Right in thru my back door.

Rosy pink petunias,
Geraniums to grow,
A house minds winter less
With summer in the window.

Once, I also dreaded life,
For what it held for me,
The ordinary trifles
Were all that I could see.

But I asked God to guide me,
To make faith a real part,
One does not mind life's winter
When spring is in the heart.

—Charlotte Carpenter

white women from Kenya, Africa, southern Rhodesia, representing the groups and their problems because the natives could not speak or understand English.

Every meeting was conducted in the English language. "It seemed odd," said Zook, "to see all those women in strange native costumes, completely at ease in English. Not once did they attempt to express themselves otherwise! And the harmony displayed by the various representatives working together inspired confidence in the ultimate success of future ventures."

Impressed With Costumes

Mrs. Zook was impressed with the beautiful native costumes worn by delegates. Those from Japan, India and Sweden were particularly lovely made of silk and decorated with elaborate work.

When asked why she considered this of the most important meetings she ever attended she replied, "Because the Associated Country Women of the World is the only world organization for country women and because the only organization of country women recognized by the United Nations. I feel it is very vital to international good will and to the problems of the world today because women take a leading part in promoting peace. Country women must be able to realize that they are the ones to rear children who will produce the world's food and that they must take a part in helping to solve the world's problems. Man's hunger controls much of his actions. Country women meet together in such a world organization can help solve some of the problems confronting the people of the world. Understanding the primary and individual needs of each country can-

February Party Fun

For timely entertainment we suggest the following leaflets:

"Mr. Ground Hog's February Party"—playlet, 5 characters in the cast including Mr. Ground Hog and important men whose birthdays are in that month.

"That February Party"—suggested games for Valentine or general February party. Price 3c.

"A Hearty Party for Valentine's Day." Price 3c.

"Valentine Party Plans"—several games and suggested menu. Price 3c.

Address Home Service Editor, Kansas Farmer, Topeka.

not but increase our faith and trust in each other. Individually we can do nothing. Together, we can move mountains!"

This interest in people of the land is more or less a family affair as far as the Zooks are concerned. Mr. Zook is East 7th District Director of Kansas Farm Bureau and was honored Master Farmer by Kansas Farmer in 1949. Their only child, Dan, who lives with his family within a mile's distance is the Zook 4-H Club leader, as well as conductor of the blue-ribbon Pawnee county 4-H Chorus, which has received outstanding honors in the state.

When ACWW meets in 1956 in far-away Australia, Mrs. Zook feels confident that action taken upon some of the resolutions originated at the recent meeting in Canada will have a telling effect upon the well-being of country women throughout the world. In fact, that is another trip she would like to take!

NEW AND EASY-SEW



9135
SIZES
2-10

4898
SIZES
10-20

4629
SIZES
14½-24½

98—Perfect 2-piecer. Accent on nipped waist. Contrast collar and bow add crisp detail. Misses' sizes 10 to 20. Size 16 takes 3½ yards of 45-inch fabric; ¼ yard, 35-inch fabric.

35—For school days and Sundays, she'll match this trio. Children's sizes 2, 4, 6, 8, 10. Size 6 blouse takes 1½ yards, 35-inch; skirt, 1½ yards, 35-inch nap; weskit, ¾ yard fabric.

29—For short fuller figure. Slimming effect accentuated by a new and dramatic collar detail. Half sizes 14½ to 24½. Size 16½ takes 4 yards 39-inch fabric.

Patterns are 30 cents each. Address Fashion Editor, Kansas Farmer, Topeka.



I SAVE AN HOUR BAKING THE BATTER-WAY

BATTER-WAY BAKING GIVES ME PERFECT BREAD—EVERY TIME!

BATTER-WAY BREAD

2¾ cups warm water (110°-115°)
2 pkg. Red Star Special Active Dry Yeast
6½ cups sifted all-purpose flour
3 tsp. sugar
1 tsp. salt
2 tsp. soft shortening

POUR the warm water into a large mixing bowl, and add the yeast. Let stand a few minutes, then stir to dissolve. ADD about half the flour, the sugar, salt, and shortening. Start the mixer on medium speed (or beat by hand) and beat 2 minutes or until smooth. STOP MIXER. Add the rest of the flour and stir in by hand until flour disappears—it will take 1 to 1½ minutes. Beating in this recipe takes the place of kneading. SCRAPE DOWN batter from sides of bowl. Cover bowl with waxed paper and let rise in warm

place until doubled—about 30 minutes. Meanwhile GREASE 2 bread pans, 4½ x 8½ x 2¾-in. STIR DOWN batter by beating hard for ½ minute. This is a thick, somewhat sticky batter. Put into the bread pans, spreading evenly. Batter will fill pans ½ full. Let RISE in warm place until edges of batter reach tops of pans—20 to 30 minutes. Brush with melted fat, if desired. BAKE 40 to 50 minutes (or until well browned on sides and tops) in pre-heated quick moderate oven (375°). Remove from pans and cool on rack.

NOTE: If desired, use 2 cups cooled scalded milk with the first half of the flour. Dissolve the yeast in only ¾ cup warm water.



THE BATTER-WAY IS SO EASY, TOO—ANYONE CAN DO IT




A. K. DOWNING-523

Guaranteed by Good Housekeeping

DAY-NIGHT MAILBOX MARKER

- Shines bright at night
- Easy to read DAY-NIGHT
- 2-sided—both lettered
- Any 15 letters & numbers
- POSTPAID, C.O.D. if desired; fees, postage added.

FUND RAISERS—You can make money taking orders for DAY-NIGHT Markers—help your club, church or yourself! Write for details.

SATISFACTION GUARANTEED OR YOUR MONEY BACK

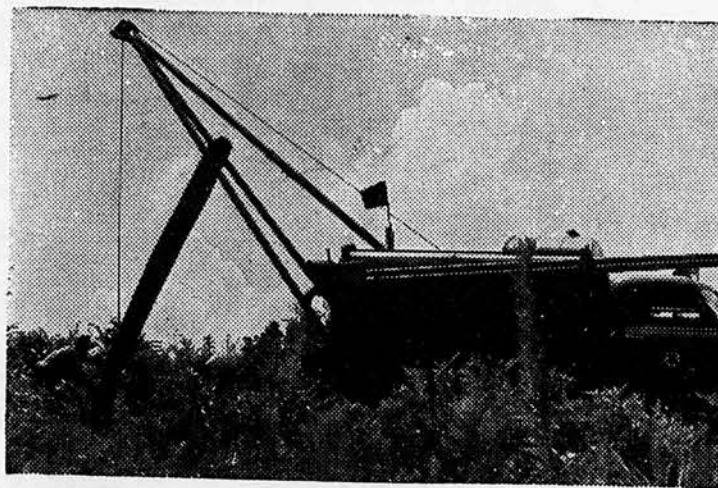
Spears ENGINEERING COMPANY
2515 SPEAR BLDG., COLORADO SPRINGS, COLO.

READ THE ADS IN THIS ISSUE

There's a world of helpful information in the scores of advertisements in this issue of Kansas Farmer. Read them carefully. If you want to find out more about the articles described, don't hesitate to write the advertiser.

You Can Buy Advertised Products With Confidence

Pole Planter in Action



THIS VERSATILE NEW TELEPHONE TRUCK can dig a hole, pick up a 20-foot pole and plant it in position faster than a man can set a fence post. This is one of many new technical developments that are helping us push telephone lines out into farming areas at a record-breaking pace. In just seven years we have set 135,000 poles in a construction program that has doubled the number of Southwestern Bell rural telephones in Kansas. And this year we hope to extend service to many more families and businesses in rural areas. **SOUTHWESTERN BELL . . . A TEAM OF 6,800 KANSAS TELEPHONE PEOPLE . . . AT YOUR SERVICE.**



Prize-winning cook shows her 10 ribbons to daughters

Kansas Cook Wins at Same Fair Three Years in a Row

Janis and Jean Ann's favorite scrapbook is their mother's book of prize ribbons—and no wonder they're proud of it. Mrs. James Miller of Abilene, Kansas, has taken cooking honors at the Central Kansas Free Fair for three years now. Last year alone she took 5 awards in cooking contests there.

With a family to care for and several hobbies to keep her busy besides, Mrs. Miller likes to find easier ways of doing things... and she thinks Fleischmann's Active Dry Yeast the handiest ever. "It always rises fast," she says. "And

stays fresh for months so I can keep a supply on hand."

Everywhere in the country—prize-winning cooks use Fleischmann's Active Dry Yeast. Out of 9,449 prize winners surveyed, over 90% prefer it. This grand dry yeast keeps for months on your pantry shelf... always rises fast. And now you can buy it in handier, thriftier 3-package strips. "Thrifty-Three's" are economical to buy—easy to store. When you bake at home, use the best—get Fleischmann's Active Dry Yeast in the new "Thrifty-Three" package.

HEARING BAD?

If so, you will be happy to know how we have improved the hearing and relieved those miserable head noises, caused by catarrh of the head, for thousands of people (many past 70) who have used our simple Elmo Palliative Home Treatment in the past 16 years. This may be the answer to your prayer. NOTHING TO WEAR. Here are SOME of the symptoms that may likely be causing your catarrhal deafness and head noises: Head feels stopped up from mucus. Dropping of mucus in throat. Hawking and spitting. Mucus in nose or throat every day. Hearing worse with a cold. Hear—but don't understand words. Hear better on clear days. Worse on rainy days. Head noises like crickets, bells, whistles, clicking, escaping steam or many other sounds. If your condition is caused by catarrh of the head, you, too, may likely enjoy such wonderful relief as many others have reported. WRITE TODAY FOR PROOF AND 30 DAY TRIAL OFFER.



THE ELMO COMPANY
DEPT. 4KA1 DAVENPORT, IOWA

Read the Ads In This Issue

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

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

You Can Buy
Advertised Products
With Confidence!

Your Classified Ad Will Get
RESULTS!

Stop Taking Harsh Drugs for Constipation

Avoid Intestinal Upset!
Get Relief This Gentle
Vegetable Laxative Way!

For constipation, never take harsh drugs. They cause brutal cramps and griping, disrupt normal bowel action, make repeated doses seem needed.

When you are temporarily constipated, get sure but gentle relief—without salts, without harsh drugs. Take Dr. Caldwell's Senna Laxative contained in Syrup Pepsin. The extract of Senna in Dr. Caldwell's is one of the finest natural laxatives known to medicine.

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Contained in pleasant-tasting Syrup Pepsin

KNOW YOUR BIRDS . . .

By L. B. Co



The Brown Creeper

*Tho small in size, no sissy he
As he climbs spirally up your tree,
With beady eyes and sharp curved
bill
Of hidden insects, finds his fill.*

THERE'S nothing flashy about the brown creeper. He wears a reddish-brown suit, streaked with dull white stripes. This makes him hard to see while searching for insect larvae and eggs which form his diet. His tail is long and stiff with pointed feathers and he uses it as a prop while his long, sharp claws anchor him to the bark of a tree.

He needs only plenty of rough-barked trees, hackberry, oak, walnut or elm. Starting about 2 feet from the ground, he hops leisurely around the trunk, but always upward until he reaches the lower limbs. These he works casually, but soon drops to the base of another tree and repeats the process.

This little bird (5 to 5½ inches long) spends the winter in this area and

would be overlooked if it were not the high-pitched "tatt" note which uses. He is likely to be feeding near mice, chickadees and downy woodpeckers.

When nesting, he hides his nest hind loose bark on some dead tree the female lays 5 to 9 white eggs with brown spots. Brown creepers keep their coloring blends with the bark to use this means of hiding.

It is difficult to estimate the value of this small bird for he spends his tire life policing the cracks and crevices of trees, digging out and eating millions of larvae and eggs which not found by other birds.

Chocolate Cake For the Freezer

Cake recipes need to be developed especially for freezing, reports the Home Experiment Station. Some ingredients used for excellent freshly-baked cakes are not suitable for cake to be frozen.

Tests with chocolate cake show that kind of fat used affects flavor, moisture and freshness of a cake baked and frozen. The station found frozen chocolate cakes containing some butter superior to those made with large vegetable shortening alone. Most satisfactory of all was a combination of butter and vegetable shortening.

These cakes should not be stored longer than 4 months in a freezer about zero. Baked frozen cakes gradually developed a firm, crumbly texture in contrast to the fluffy, springy texture of cake just out of the oven. Butter cakes as well as lard cakes acquired a rancid flavor if kept as long as months.

For Club Women

The most necessary rules of order used in women's club meetings are given in our leaflet, "Rules of Order." This may be used as a drill to acquaint all members with the rules. Included in the leaflet are election of officers, constitution, by-laws, how to make a motion, amendments, and other helpful information. Send 3c for your copy to Home Editor, Kansas Farmer, Topeka.

Contest Opens Now Cash and Books to Be Awarded

CONTEST BEGINS NOW! Kansas Farmer starts its fourth story-writing contest for seventh and eighth graders who live on farms. The subject this year is "Country Things I Like Best." In previous contests we received hundreds of entries on similar subjects. We read every one and prize winners were announced in the home department and their stories printed.

Prizes are as follows:

First award: Winner will receive a personal cash award of \$25, plus \$100 worth of books for his or her school library.

Second award: Winner will receive a personal cash award of \$15, plus \$75 worth of books for his or her school library.

Third award: Winner will receive a personal cash award of \$10, plus \$50 worth of books for his or her school library.

Rules of Contest

1. Subject shall be, "Country Things I Like Best."
2. Story must not be longer than 500 words.
3. Story must be the student's own

composition, not the teacher's, and of actual experiences of the writer.

4. Story must be written plainly typed on 8½- by 11- inch paper, on side only.

5. Be certain the name, address, name of school are written at top of each page.

6. Mail your story to Florence Kinney, Home Editor, Kansas Farmer, Topeka, Kan.

7. Only one entry may be submitted from a school. The teacher will choose the best one.

8. To be eligible for grading by editorial staff, stories must reach above office not later than March 1954.

Eligibility

1. Seventh and eighth grade students and girls who attend schools under jurisdiction of the county superintendent or who attend schools in reorganized districts under other superintendents or principals.

2. All who enter must live on a farm of not less than 3 acres.

3. Pupils who won in contest year are not eligible, but other pupils from the same school are eligible.

School of Home Economics Will Have New Dean



DR. DORETTA SCHLAPHOFF, new dean of school of home economics, Kansas State College.

KANSAS STATE COLLEGE will have a new dean of the school of home economics beginning July 1. Dr. Doretta Schlaphoff, now head of home economics at the University of Nebraska will take over the reins held for 30 years by Margaret M. Justin, known by countless home economists in the country. Doctor Justin is this year on a Fulbright assignment in Holland. Doctor Schlaphoff holds a bachelor's degree from Nebraska, a master's from Michigan State College and a Ph.D. from Cornell University. She taught and conducted research in foods and nutrition at Michigan State College, University of Nebraska and University of Arizona before returning to Nebraska in 1949 to head the home economics department.

Interested in People

Home economists in Kansas are looking forward to an acquaintance with Doctor Schlaphoff. She is friendly, warm, interested in people and the department which she will head, alert to needs for growth and improvement. She is attractive, young, an inveterate reader, likes to cook and entertain, to play, is immensely interested in her young nieces and nephews who often spend time with her. She holds important professional positions, at present is chairman of the research department of the American Home Economics Association, chairman of resident instruction section and member of the executive committee of the home economics division of the Mid-grant college association. She is author of numerous technical articles in professional periodicals. She holds honorary memberships in Omicron Nu, Gamma Xi and Phi Kappa Phi. "We feel exceedingly fortunate in securing the services of Doctor Schlaphoff for this important position," James McCain, president, said in announcing the new appointment. "She possesses to an abundant degree all the qualities we sought in a new dean. She was selected from a group of more than 100 women considered for the position."

Kansas Day Leaflets

"A Kansas Day Program," features games of little-known and interesting historical facts about our state, and original words of "Home on the Range." Price 5c. "An Original Kansas Day Program," includes clever games of geographical facts about Kansas and is seasoned with a dash of humor throughout. Price 3c. Both leaflets offer suggestions for invitations, decorations and refreshments. Send your orders to the Home Service Editor, Kansas Farmer, Topeka.

STOP FREEZING!



DID YOU EXPECT A WARM HOME WHEN YOU BOUGHT YOUR HEATER?

- ARE YOU CONFINED TO ONE ROOM?
- ARE YOUR FLOORS ICY COLD?
- ARE YOUR CEILINGS OVERHEATED?
- ARE YOU WASTING FUEL ON SOOT AND SMOKE?
- IS YOUR HEAT GOING UP THE CHIMNEY?
- ARE YOUR FUEL BILLS TOO HIGH?

is your heater foolin' and freezin' you-

WHY WAIT UNTIL NEXT YEAR



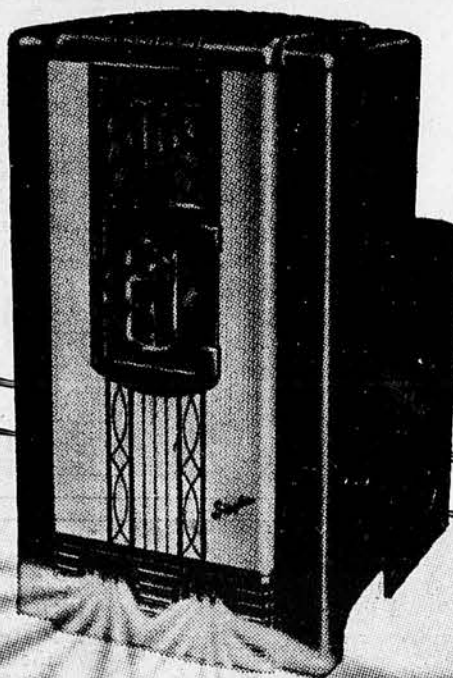
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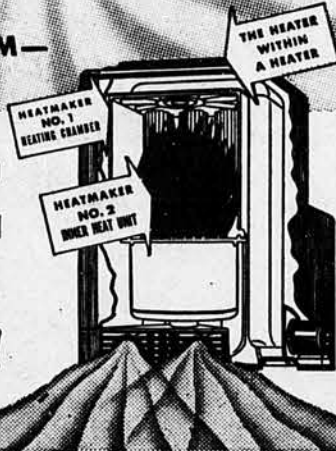
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2. No expensive furnace installations.
3. No pipes or registers to buy or install.
4. No expensive cleaning jobs.

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The Hyer "Elite" is an All-Kangaroo boot, made from leather specially tanned exclusively for Hyer (the first time such a boot has been offered as part of the regular line). This Kangaroo leather has a deep natural luster, and... because of its interwoven fibers... it not only resists peeling and scuffing, but it is also unusually soft, pliable, and comfortable.

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Eat Turkey the Whole Year-Round

TURKEY-BY-THE-PIECE is the way out of the complications of the large turkey... so large that it takes a holiday dinner to make it a satisfactory buy. Of late, however, many of us will find turkey-by-the-piece. It's available now thruout the year, summer, winter, spring and fall. You can buy it whole, a half, quarter, or just your favorite pieces.

Frozen thawed turkey may be used in any of the following recipes.

Turkey Breast Steaks

Keep meat in its air-tight wrapping until mellow enough to cut. Slice in desired size pieces about 1/4-inch thick. Slice enough steaks for the meal and the remaining turkey breast may be rewrapped and placed in the refrigerator for another meal.

Dip steaks in beaten egg (1 egg to 1 tablespoon water), roll in finely crushed cracker crumbs. Fry on medium heat in deep fat. Brown on one side, turn over and brown on the other side. Turn on slow heat, add a tablespoon or 2 of water, put lid on and cook a few minutes.

Turkey Ham Roast

Place turkey ham (thighs) in roaster, skin side down. Add sufficient water for roasting. More water may be added if needed while baking. Do not bake dry. Brush turkey with turkey fat or butter. Season cut side with salt and pepper. If more seasoning is desired, add 2 tablespoons chopped celery and 1 tablespoon onion. This makes a delicious flavor. Bake in a moderate oven. When about half done, turn and finish baking with skin side up. The bone

will give easily when done and the meat will feel soft when pressed with finger. The length of time will vary from 2 to 4 hours, depending on the thickness of the meat. If the meat is allowed to cool in the broth it will be juicier than if removed from broth as soon as it is done.

Turkey Casserole

- 2 tablespoons chopped onion
- 2 tablespoons butter
- 1 can cream of mushroom soup
- 2 tablespoons chopped celery
- 2 to 4 cups chopped turkey
- Buttered bread crumbs

Fry onion in butter. Add this to soup. Add chopped celery and salt and pepper if necessary. Pour this mixture over the cooked turkey in baking dish. Top with buttered crumbs. If desired, add leftover carrots or green beans. Bake about 45 minutes in moderate oven (350°).

Turkey Breast Roast

Place turkey breast in roaster with well-fitted lid. Add sufficient water for roasting. More water may be added if needed. Do not bake dry. Brush breast with turkey fat or butter. Season with salt and pepper. Chopped celery and chopped onion may be added for a more highly seasoned dish. Bake in moderate oven (about 350°). When half done, turn and baste again. Bake until well done. Serve hot or cold.

The wise always extract something from gossip. Their ears.

NEEDLE TIPS

7364—Two favorites, pineapple design and filet crochet for this unusual set. Crochet each separately, then join them. For chair set, dresser set, place mats. Includes charts and crochet directions.

640—Little tots pop their P.J.'s right in the slit of JoJo, the 'Jama doll. U scraps, easy to make. Pattern piece and transfer included.

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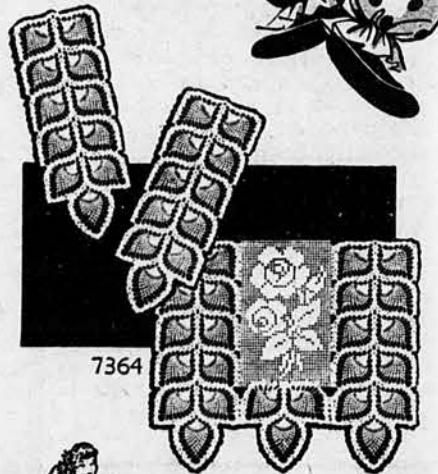
IRON-ON COLOR DESIGNS
IN BLUE, YELLOW, GREEN



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Patterns 25 cents each. Address Needlework Editor, Kansas Farmer, Topeka.

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The Reader Wants to Know

Can you tell us if martins eat bees? We have heard they do and as we want to keep a few hives of bees, we will not make a martin house until we find out about their eating habits.—Mrs. George Rogers.

While purple martins consume quantities of insects, we doubt if they would create any problem for your bees. A major portion of their diet consists of smaller insects such as flies and mosquitoes. Many persons refer to the eastern bingbird as a "bee martin," which may have given you the idea that martins were bee eaters. Even this bird prefers drones, which add little to your honey crop. We find no record of a martin eating honeybees.

While disking to plant corn May 5, I saw a bird that I took to be a female flycatcher. I know the male flycatcher with its slate-colored feathers and yellowish color under his wings. This bird had the same general color, but no yellow under the wings and it was smaller. It looked as if it had 6 or 7 circles or bands of gray white around the body. She acted like a flycatcher as she fluttered on the ground and kept moving for insects the disk-harrow threw out. What bird is this?—Wayne White.

Your description of the bird with the circles of white around the body indicates a rail, but rails never act like flycatchers, nor have I ever heard of one following a disk-harrow to get insects. They usually feed in or near swampy ground or in fields bordering swamps. They act more like small chickens. None of the flycatchers show the marking you describe. Nighthawks and winter wrens show a ringed pattern while the killdeer shows 2 bars and some of the other plovers show one ring or bar across their breasts. They feed on the ground but not like flycatchers. If you can locate a good bird book, I suggest that you do so, so you can check for yourself.

Can you tell me how to keep pesky sparrows out of birdhouses? We have so many sparrows that other birds do not have much of a show. We have lots of trees for birds.—Mrs. E. A. Evenson.

Sparrows are a problem. Entrance to the wren house should be too small for a sparrow to enter. Bluebird houses can be placed about 4 feet above the ground in open spaces. Sparrows like more cover and prefer higher nesting sites. Martin houses, if erected just before the arrival of this species (about March 20), stand a good chance of being occupied before sparrows get established. Martins can protect themselves against sparrows, if they have first chance in the home.

Have a Question About Birds?

If you have a question about birds address letter to Florence McKinney, home editor, *Kansas Farmer*, Topeka, Kan. Want to know about identification of a particular bird, how to attract birds, let us know. Questions and answers will appear in later issues.

Can you tell me something about parakeets? I have 2 of these birds and would like to know whether I have both a male and female. One is yellow-green and one is all blue.—Mrs. V. E. Mortensen.

Parakeets can be almost any color and the male and female often are the same color. According to "The House of Parakeets," 304 Kansas Ave., Topeka, the male always has a dark violet-blue marking around the nostril, while the female may carry either a blue-white, white, tan or dark-brown marking there. These birds use a nesting box which should be made available to them. The ordinary cup nest would have no appeal to birds which nest in holes.

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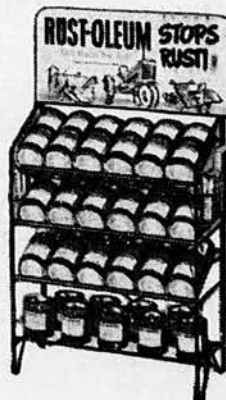
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Kewanee News

Editor: Cash's Time

Cir. 2,234,127

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IN THE FIELD—KEWANEE pulverizes corn stalks. Gives you seedbeds level as a floor.

Heavy, rigid-frame construction keeps the rear gangs disk as deeply and as evenly as the front gangs. Neighbors won't believe it's possible to disk seedbeds so level. Compare the KEWANEE to any other disk. See for yourself why it's America's leading disk.

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ON THE ROAD—the KEWANEE WHEEL-MOUNTED DISK is easy to transport.

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You harrow 2 to 3 times faster with a KEWANEE WELDED-TOOTH HARROW... it stays in the ground at top tractor speeds. The faster you harrow with your KEWANEE... the better you harrow... ask any user.



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Thoughts

TO LIVE BY

"The Narrow Way"

IT'S A SOBERING thought, but nevertheless true. You can't read all the books in the library, you can't master all the trades, you can't do everything in any given day you would like to do. Try, and you will become like the man who knew less and less about more and more until finally he knew nothing about everything. Of course, there is an extreme position in the other direction, too. It was taken by the man who learned more and more about less and less until eventually he knew everything about nothing.

You must accept certain limitations. If you write some checks to pay your bills between 8:30 and 9 o'clock this evening, you can't play bridge or watch the television at the same time. You can't even listen to a basketball game if you expect your books to balance.

Everyone of us has his limitations. They are the by-products of our choices. If you study to be a lawyer, you won't have time to become an engineer. The farmer isn't free to practice medicine. Farming, like medicine, has specialties within itself. There is a big difference between the wheat farmer in Kansas with his 1,000 acres and the produce farmer in Ohio with his 60 acres or the fruit farmer in Michigan with his 80. Even in the cattle business, most men choose between meat and milk.

This is an important lesson to learn. It doesn't mean every phy-

sician should be a specialist, but it does mean the general practitioner must realize he will never be a specialist in surgery, psychiatry, pediatrics and ophthalmology.

A few men like Leonardo da Vinci have excelled in several fields. Merely trying to do overtaxes most people. So it is the part of wisdom to do what you can do as well as possible, and don't worry about the rest. Someone else can do the things you can't do. That is his mission in life. Give him a chance.

Lord Acton said, "Mastery is acquired by self-limitation." Much of Paul's success sprang from his attitude expressed in these words, "This one thing I do." This principle is illustrated in the life of Jesus. The mob said, "Show us a sign" and "Come down from the cross." His enemies taunted him saying, "He saved others, let him save himself." The Master called attention to a straight gate and a narrow way. Paul said of Jesus he emptied himself, took the form of a servant, became obedient unto death, even the death of the cross. Is it any wonder he has a name above every other name?

While this year is still new, it will be profitable to recognize it is filled with decisions like all its predecessors. Lay aside every weight that would deter you so you may run your race swiftly and well. Victory will be for him who chooses the narrow way.

—Larry Schwarz

Blaze Zinnia Was the Only Flower To Win 1954 All-American Award

By WILLIAM G. AMSTEIN, Kansas State College

BLAZE ZINNIA won the only "All-America Selections" flower award for 1954. You will see it in many of your seed stores and catalogs. It is really flame- or fire-colored. Blaze gives a new scarlet-orange color to the giant Fantasy-type zinnias. Some flowers are up to 5 inches across, like the largest Dahlia-flowered favorites. This variety is probably the truest, most uniform in color, plant and size of this class of zinnias.

You may recall that Floradale Scarlet was the first one selected a few years ago and 3 more were added in 1953. These were inbred selections for separate colors of creamy white, yellow and azalea-pink. For 1954, we now have this distinct, brilliant and rare coloring in a large flower that also should give excellent cut-flower results. Fluffy, quilled and curled petals set it apart from the heavy-type petal and bloom in other large zinnias.

It should be useful in arrangements and adapted to various containers with good cutting stems and flowers that make every bloom a specimen for cutting. The terminal flowers are borne on strong stems. The free-blooming, bushy plants reach 2½ to 3 feet tall. Blaze uniformity and colorfulness should create unusual mass display in bed or border, also bringing interest to any place it is located in the garden.

Petunias and zinnias are among the most useful and widely planted flowers from seeds. They come in several types, sizes and colors. They are easy to grow, zinnias even easier than petunias, and produce better plants and flowers if grown in place, without transplanting.

The pumila type, still useful, was surpassed by the robusta type. Then came the big Dahlia-flowered type. Still larger, altho somewhat flatter, were the California Giants. Finally, popularity came to the quilled or curled and crested type with the Fantasy name. Fantasy zinnias were larger and more attractive than previous ones with curled petals, but not to be compared with Giant Dahlia-flowered and California Giants in size.

Actually, Blaze may measure larger than the other Giants, altho the pointed petal tips give the flowers a lacy, feathery appearance, free of stiffness often associated with other large zinnias.

Many will want to try these new fiery-colored zinnias this year. They grow easily and well in most any sunny garden location or even in partial shade. They do not need transplanting. You can sow the seeds where you want the plants to grow and then thin them out to about a foot apart. You or your friends can transplant them.

Seeds may be obtained from many seed stores. All will be originator's seed stocks since this is the first year of introduction. Last year 112 acres of Blaze Zinnia were grown for seed. This should provide 3 to 4 million seed packets of this All-America Selection for 1954. However, if you get your seeds early you can be sure of your supply.

The 1953 winners were Royal Carpet Alyssum with a violet sheet of bloom, and Comanche Petunia the grand big scarlet-red hybrid that stays red. These are now available. These new All-America flowers should bring interest and satisfaction to you.

Livestock Profits Harder to Get?



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FLYNN BROTHERS BUILD 130 RODS FENCE IN DAY

Find Investment in Posts and Fencing For Rotation Grazing Pays Off in Better Milk Production

For the farmer with modern equipment, construction of a good fence nowadays is just a breeze.

Tom, Adrian and Eugene Flynn proved that recently when they put in 130 rods of fence in a 10-hour day. The three brothers are members of the firm of R. P. Flynn & Sons. They operate a large dairy farm on the Missouri River bottomlands north of Blair, Nebraska.

They need good fences for their large herd of registered Holstein cattle. When the Missouri River flood of 1951 badly damaged some of their fences, they got along for awhile by patching. Then they decided to tear out 130 rods of it and build anew.

Finished Between Milkings

They set out one morning, after milking, with a truckload of posts, rolls of Sheffield barbed wire, tractors, power-driven



Good Fence Goes in Fast: The Flynn brothers build fence at the rate of 214½ feet an hour. Sheffield barbed wire is being reeled off of three coils as the manure spreader progresses down the field. The other brother operated the post hole auger, shown in picture below on this page.

A total of 30 man hours did the job. Government estimators had figured 100 man hours for that much fence put up by old hand-labor methods.

One of the brothers operated the tractor-mounted post hole auger. He could dig a post hole in 30 seconds. His two brothers set the posts.

When ready to string barbed wire, they used their manure spreader, which has a readily detachable beater. In place of the beater they mounted a length of pipe which carried three rolls of Sheffield wire. They fastened the ends to a corner post, then drove ahead with the manure spreader, unrolling three rolls of wire at once.

Rotation Pays in Better Milk Production

The fence enclosed a new pasture seeding of brome grass, alfalfa, ladino clover and timothy. Later the Flynnns ran some partition fences across the field so they can rotate their dairy cows from one field to another.

Farmers find a relatively small investment in posts and wire pays a good return in better milk production when a series of pastures is used. Cows get more new-growth grass that way, and less of the forage is wasted from trampling.

Sheffield Fence Has a Built-In Bonus of Strength and Long Life

See for yourself, at your Sheffield dealer's, the extra wrap of stay wires around the top and bottom line wires of Sheffield Woven Wire Fence. See the longer hinged joints on line wires.

This extra steel in Sheffield Fence costs you no more—even though it's special analysis steel, quality controlled from furnace to finished fence—with zinc coat tightly bonded to steel for longer life.

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post hole digger and other equipment. They had the whole fence in before milking time that night.

"Tight As a Fiddle String" Is Too Tight for Woven Wire Fence

By A. B. Kennerly

"As tight as fiddle string is all right—for fiddle strings, not fences," says Lanier Forgason, co-owner of the vast 21,000-acre holdings of the Hudgins Ranch which sprawls for a radius of 12 miles around the little town of Hungerford, Texas.

"Just tight enough so the wire won't sag." That's Forgason's advice for fences. He cited an experience: "Got the wires too tight, which was all right during the summer; but when winter came

and the wire contracted it pulled over several of the posts."

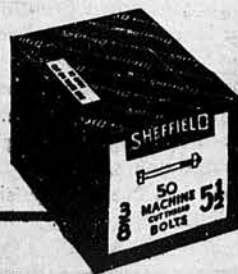
As we drove along the road, Forgason interrupted his conversation as he pointed to a grass fire along the fence.

"They're burning the fence line. It's just a mighty good way to lose tension in the wire and burn off the galvanizing."

Many of the Hudgins fields are cross-fenced to force closer grazing by their Brahman cattle.

SHEFFIELD Bolts & Nuts

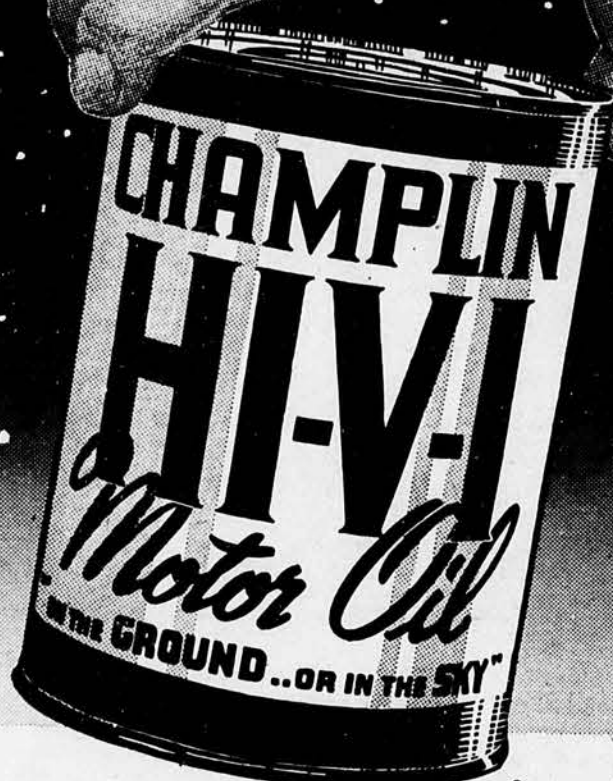
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Are You Sure Your Farm Lease Is Not Out-of-Date?

(Continued from Page 4)

practice for landlords to share in the cost of fertilizer and lime. In more than one half of the leases the share of the fertilizer paid by the landlord is the same as the share of the crop received. There are many leases in which the share of fertilizer is larger than the share of crops. It is common particularly in Eastern Kansas for the landlord to furnish all of the lime. Except for Northeastern Kansas, tenants furnish seed corn and small-grain seed in nearly all cases. In about one fourth of the leases landlords pay for combining small grains in Northeastern Kansas. Otherwise tenants provide for combining and corn picking. These are recognized as ordinary expenses of tenants. About one half of the landlords share hail insurance in proportion to shares of wheat. There is less certainty concerning the responsibility of the tenant for destroying weeds. Two fifths of the landlords share in weed spraying.

Here is what landlords do at present in farm leases in Kansas by areas:

In Western Kansas—

- 93% receive $\frac{1}{3}$ of wheat
- 94% receive $\frac{1}{4}$ of corn
- 96% receive $\frac{1}{3}$ of oats
- 48% pay $\frac{1}{3}$ on fertilizer
- 25% pay $\frac{1}{2}$ on fertilizer
- 27% pay none on fertilizer
- 53% pay $\frac{1}{3}$ on hail insurance

In Central Kansas—

- 89% receive $\frac{1}{3}$ of wheat
- 74% receive $\frac{1}{4}$ of corn
- 12% receive $\frac{2}{3}$ of corn
- 81% receive $\frac{1}{3}$ of oats
- 89% receive $\frac{1}{3}$ of soybeans
- 48% pay $\frac{1}{3}$ on fertilizer
- 42% pay $\frac{1}{2}$ on fertilizer
- 50% pay all on lime
- 23% pay $\frac{1}{3}$ on lime
- 21% pay $\frac{1}{2}$ on lime
- 61% pay $\frac{1}{3}$ on hail insurance

In Northeastern Kansas—

- 52% receive $\frac{1}{2}$ of wheat
- 26% receive $\frac{2}{3}$ of wheat
- 21% receive $\frac{1}{3}$ of wheat
- 62% receive $\frac{1}{2}$ of corn
- 28% receive $\frac{2}{3}$ of corn
- 41% receive $\frac{1}{2}$ of oats
- 30% receive $\frac{1}{3}$ of oats
- 24% receive $\frac{2}{3}$ of oats
- 61% receive $\frac{1}{3}$ of soybeans
- 25% receive $\frac{2}{3}$ of soybeans
- 50% pay $\frac{1}{2}$ of fertilizer
- 19% pay $\frac{2}{3}$ of fertilizer
- 58% pay all of lime
- 32% pay $\frac{1}{2}$ of lime
- 48% pay $\frac{1}{2}$ of seed corn
- 22% pay $\frac{1}{2}$ of weed spraying
- 30% pay $\frac{1}{2}$ of small-grain seed
- 23% pay $\frac{1}{2}$ of combining
- 55% pay $\frac{1}{2}$ of hail insurance

In Southeastern Kansas—

- 94% receive $\frac{1}{3}$ of wheat
- 51% receive $\frac{2}{3}$ of corn
- 43% receive $\frac{1}{3}$ of corn
- 91% receive $\frac{1}{3}$ of oats
- 93% receive $\frac{1}{3}$ of soybeans
- 61% pay $\frac{1}{3}$ on fertilizer
- 25% pay $\frac{1}{2}$ on fertilizer
- 72% pay all on lime
- 50% pay $\frac{1}{3}$ on hail insurance

Ownership, sales and expenses of stock are shared in livestock lease livestock share leases, the owner of poultry and sheep generally is shared, but sharing equally is common for ownership and sales of beef and hogs. It is not uncommon in stock leases for tenants to own a few milk cows and some chickens receive the full income from largely for family use. However, appears to be more cases of share ownership of dairy cattle than a large sharing of dairy product sales. Landlords pay one half of the feed, breeding and veterinary expenses in three fourths of the livestock leases.

Share new costs same as product shared. Sharing a new item of cost the same proportion as the product are shared is a fair procedure. If a landlord receives one-third share of wheat he should pay one third of cost of fertilizer, including application. This may mean the landlord should about one half of the purchase price of the fertilizer. The tenant has to do work and furnish the equipment applying the fertilizer. Where the cost is not strictly an additional cost not so easy to determine sharing costs. Chemical weed killers may of this type. They save the tenant expenses for cultivation. The cost may be greater with chemicals and is effective by increasing yields and consequently the landlord may need share part of this cost.

Compensation may be paid for conservation practices and improvements. Conservation practices and improvements might be handled like new items. If these costs are required, however, to maintain productivity of farm the landlord may be responsible for them. Another method which is being used and appears fair is for tenant to pay the initial cost and compensated by the landlord if tenant moves before he can get the benefit from the practice or improvement. For phosphate fertilizer there is some residual value for 3 or 4 years. A new shed may last for a much longer period. The tenant's family might want a bathroom in the house. Landlords have given permission to tenants make such improvements and have compensated tenants on the basis of the proportion of 10 years remaining when the lease is terminated.

Costs of establishing grass and leumes for hay crops can be divided between landlord providing seed, fertilizer lime and tenant furnishing labor equipment. For more permanent improvements such as terraces, ponds, buildings, the landlord pays initial cost and tenant maintains the improvement from year to year. This is a general procedure. However, each farm should be examined and arrangements justified to it.

Prices of some farm costs have changed alike. The relative contract (Continued on Page 35)

HOW TO STOP ACCIDENTS

Here are 10 ways to keep farm shop accidents at a minimum, as outlined by Kansas State College Extension Engineering specialists:

1. Keep the shop neat and orderly.
2. Keep all tools sharp, the sharper the tool the safer it is to use.
3. Always wear goggles when grinding or chipping.
4. Maintain clean lenses in welding goggles and hoods.
5. Never stand on wet ground or floors when using electric welder.
6. Be sure electrode holders are well insulated.
7. Always wear gloves when welding.
8. Never wear loose or floppy clothing around moving belts, pulleys or exposed chains and gears.
9. Keep first-aid kit and fire extinguishers handy.
10. Be safety conscious.

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tions of landlords and tenants have changed because prices of inputs have not changed alike. The USDA reports farm wage rates in 1953 were 5 times the rates in 1910 to 1914. Other cost items are not quite 3 times the 1910 to 1941 average. As a consequence a relatively higher allowance must be given to tenants for their labor. In the old livestock share lease the tenant furnished all the labor including hired help. In recent years some landlords have found it necessary to pay one half of the hired labor.

A lease is a contract. A lease is a contract between a landlord and a tenant. Laws are about the same for written and oral agreements. Principal advantages of written leases are: (1) The 2 parties are more likely to examine carefully their arrangement, and (2) in case of disagreement there will be a better means of deciding what to do.

A lease agreement should specify all important relationships between landlord and tenant. However, there may be details in operating the farm which cannot be foreseen or included in the agreement. These will have to be settled during the year. The minimum requirements for a lease agreement are: (1) Identification or legal description of the farm, (2) length of agreement and provision for renewal, (3) kind and amount of rent to be paid, and (4) identification of landlord and tenant.

Type of lease should fit the situation. There are 6 principal types of leases: (1) Cash, (2) Crop-Share, (3) Crop-Share plus Cash, (4) Livestock Share, (5) Father-Son, and (6) Wage, Income-Share. The lease selected should fit the situation under consideration. The Kansas Agricultural Experiment Station and Extension Service have designed forms for these leases. Copies can be obtained free by a postcard request to Editor, *Kansas Farmer*, Topeka, Kan.

Court Upholds Dairy Laws

Roy Freeland, secretary of the State Board of Agriculture, announced recently the Kansas Supreme court had upheld state laws prohibiting use of vegetable oils in foods sold as dairy products, particularly ice cream.

New Soils Lab

Washington county is putting in a new soils testing laboratory. E. L. McClelland, county agent, has received instruction in running a lab, at a special Kansas State College course. Robert Bohannon will work with the lab, at the courthouse in Washington.

New County Agent

New county agent in Greenwood county is Donald Dean McCallum, formerly assistant county agent in Morris county. He is a 1951 graduate of Kansas State College.

Study Egg Changes

Changes that take place in egg yolks, of both fertile and infertile eggs, at incubation temperatures will be studied at Kansas State College under a \$6,000 grant made by the U. S. Atomic Energy Commission.

The study will include measuring radioactive phosphorus in egg yolks for the period of chick development. Little is known now about egg yolks, and this lack of knowledge has handicapped development of commercial uses of this agricultural product.

Silo Care and Repair

Silo Inner-Seal is a new paint especially effective in preserving interior silo walls which may be deteriorating as a result of acid action. The Indiana Silo and Paint Company has a new folder available, "Silo Care and Repair." For your free copy, write Farm Service Editor, *Kansas Farmer*, Topeka.

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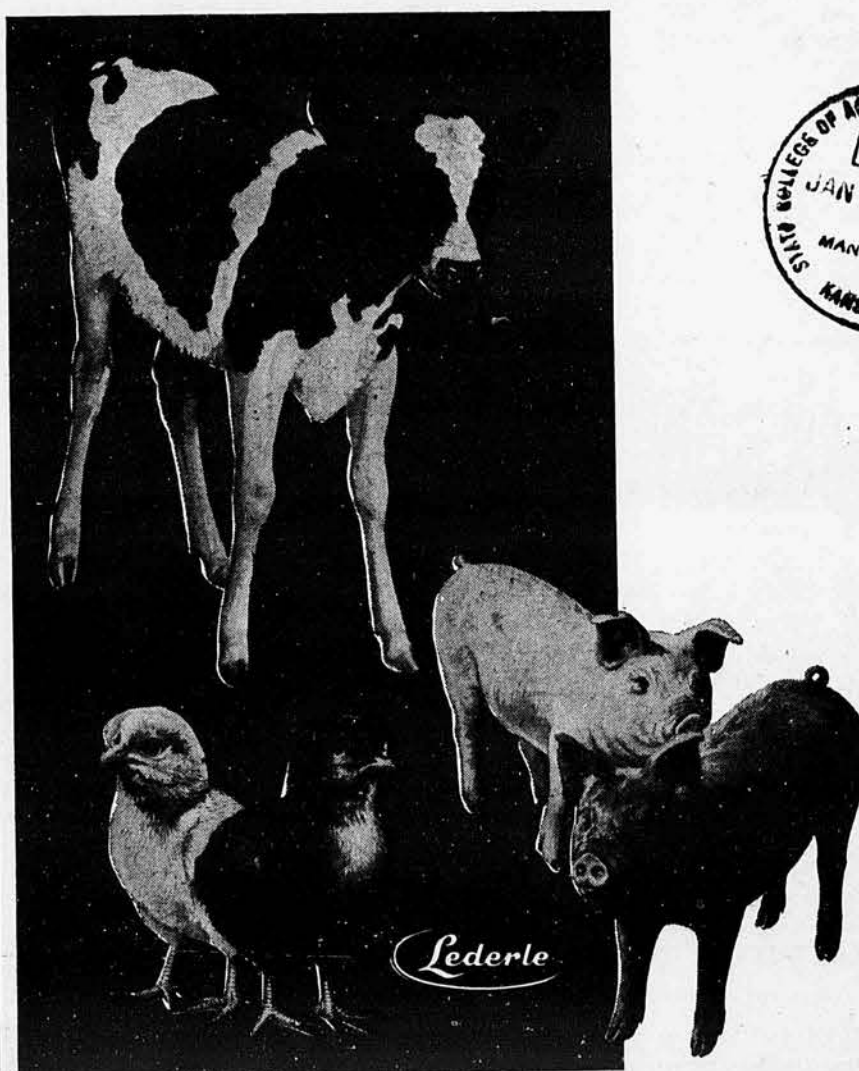
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Range and Pasture Grass Seeds—Native Blue-stems, Switchgrass, Caucasian Bluestem, Blue Grama, Side Oats Grama, Buffalo, Sand Love, and many other grass seeds. Hardy dry land legumes Madison Vetch, Madrid Sweet Clover, common Yellow and White Sweet Clover. Write today for low direct prices. Your grass seed specialist. Miller Seed Co., Box 1823, Lincoln, Nebr.

Hardy Reclaimed Kansas Alfalfa Seed; certified Buffalo, Ranger, Atlantic Alfalfa; also Sweet Clover, Red Clover, Ladino, Brome, Fescue, Timothy, Lespedeza. Save money, send postal today for catalog, samples, and low freight paid prices. Quick service, satisfaction guaranteed. Serving growers over 50 years. Jack Bowman, Box 615, Concordia, Kan.

Buy Direct and Save—Hardest, most drought resistant, highest yielding, new Hybrid Rambling Rhizoma Alfalfa; Cossack, Ladak and Ranger Alfalfa; improved pasture and hay grasses. Lowest prices in 21 years. Sam Bober & Sons, Box 751 H, Rapid City, S. D.

Dependable Hybrid seed corn. 9 numbers. Certified seed oats. Also non-certified seed. Grass seeds. Write for catalog. Dealers wanted. Joalin Seed Farms, Holstein, Ia.

Certified Madrid Clover. Germination 83%. Purity 99.50%. Rolland Klaassen, Whitewater, Kan.

Grower tested, approved Hybrid tomatoes, cucumbers. Circular. Fike Seeds, Council Grove, Kan.

Sow Seeds Guaranteed to produce better stands than any other seeds of equal quality. Berry's genuine Gro-Coated Brand Seeds sold on this sensational guaranteed basis. Hardy Alfalfa \$15.50 bu., Grimm \$16.45, Ranger \$18.50, Red Clover \$20.90 bu., Sweet Clover \$8.00, Timothy \$9.00, Ladino Clover \$35.25, Brome \$18.60 cwt. Write today for complete details of our guarantee and big free catalog of farm, garden seeds, nursery stock. Learn amazing performance of seeds with Gro-Coat protection. 160 grades and varieties. Free samples any seed. Write now while stocks are large and prices lowest. Berry Seed Co., Box 484, Clarinda, Iowa.

Certified Mo. 0-205 oats. \$2.00 per bu. Swinger & Alley, Marshall, Mo.

DOGS AND SUPPLIES

Wanted to buy good collie and shepherd puppies. Classified Department, Kansas Farmer, Topeka, Kan.

Beautiful Golden Collie Puppies. Eligible A.K.C. Purebred English Shepherds. Barnes, Collyer, Kan.

LOST, STRAYED OR STOLEN

\$100 Reward return male Collie Shepherd. Reddish brown and white, fairly tall, thin. Long nose with pink markings. Telephone 5-6042, Topeka, after 6 p. m.

WANTED TO BUY

Cash for Old Cars any make, model or condition. Describe fully. Write P. W. Anderson, 2680 Utica, Denver, Colo.

REMEDIES—TREATMENTS

Latest Methods treating Piles, Fistula, Colon-Stomach disorders. Write for free book. McCleary Clinic and Hospital, E140, Excelsior Springs, Mo.

Arthritis and Rheumatism Sufferers: Read "Crude Black Molasses" by Cyril Scott. One dollar postpaid. Harmony Book Shop, New Castle, Penn.

Ruptured? Bulbless, beltless, strapless truss. Write for demonstration. No obligation to buy. Brandon, Clinton, Ill.

FILMS AND PRINTS

6- to 8-exposure rolls 39c. Jumbo; 3 rolls \$1.00. 12-exposure rolls 55c. Jumbo; 3 rolls \$1.50. Prompt service, satisfactory work.

L & I PHOTO SERVICE
 Box 1008 Topeka 1, Kan.

No Charge—for developing roll—same day service—pay for prints only—regular size 3c—Jumbo 4c. Refund on prints not good. Established 25 years. Square Deal Photo, Box 1153 D, Hutchinson, Kan.

20 DECKLEGE REPRINTS 50c
 6-8 exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints, 4c each.

Box 1068-KF Topeka, Kan.

3c Reprints 3c each negative size. Jumbo size 4c. 8-exposure roll developed and printed 25c. Jumbo 35c. 2 each negative size 38c. 10 bliford size pictures of your photo 65c. 6 5x7 enlargements \$1.00.

SUMMERS STUDIO
 UNIONVILLE, MO.

Eight-Exposure Roll printed one of each 30c; two each 40c; one each Jumbo 40c. Star Photo, Denver, Colo.

PLANTS AND NURSERY STOCK
 Free Catalog—Guide to special vegetable plant offers. Write for yours today. Wright Plant Company, Omaha, Neb.

HOME HEATING
 Parts for All Stoves, ranges, heaters, furnaces. Fit guaranteed. Write for prices. Give make, model and part number. Omaha Stove Works, Dept. K, 1204 Douglas St., Omaha, Nebr.

FOR THE TABLE
HONEY MIXED FLOWER \$9.90
 60-lb. Can FOB

Extracted—Pure as bees can make it.
 60-lb. Can Clover, FOB.....\$12.00
 12-lb. Can Clover (Postpaid to 300 mi.)... 3.85
 12-lb. Can Mixed (Postpaid to 300 mi.)... 3.50

Order Promptly—Supply Limited
HAHN APRIARIES, 1715 Lane St., Topeka, Kan.

Smoked Whitefish (Canadian) 10-lb. carton postpaid \$6.00. Fradet, West Fargo, No. Dak.

AGENTS AND SALESMEN

At Last! Something new and sensational in Everyday Cards, 21 for \$1. Make extra money fast! Show Satin Velour, Metallic Cards. Get orders easy. Big line \$1 assortments, Scented Stationery. Personalized Napkins, Gift Items. Imprints free. Several \$1 boxes on approval. Puro Co., 2801 Locust, Dept. 487-A, St. Louis 3, Mo.

Need More Money to Live On? Increase your weekly income \$20 to \$25 or more in spare time. Supply Rawleigh Products to consumers. Also openings for full time dealers. Write Rawleigh's, Dept. A-DD-KFM, Freeport, Ill.

BUSINESS OPPORTUNITY

Sixty Thousand Established Hatchery with broiler and dressing plant, excellent opportunity for two young people. Write for more detailed information. Pleasant Hill Hatchery, Aitkenburg, Mo.

Need Money? Write birthday, Valentine, Christmas verses. Request free details: Laura Dickson, 401 Montague St., Dept. J, Anderson, S. C.

New Plastic Mending Tape. Just press on! Repairs clothing instantly. Lightning seller. Samples sent on trial. Kristee 100, Akron, O.

THE DAVIS MODEL 100 LOADER

TOPS 'EM ALL

12-MINUTE MOUNTING TIME
CLEAR VISION and streamlined construction
SIDE or REAR MOUNT
YEAR 'ROUND ATTACHMENTS

Compare the strength, convenience, versatility and quality of this unconditionally guaranteed loader and see why it's becoming America's favorite. Rugged...for all loader jobs—light...for easy operation. Hook it up in 12 minutes. Use it year 'round as your best labor saver.

FITS MOST POPULAR TRACTORS

SEE IT AT YOUR DEALERS
OR WRITE NEAREST DISTRIBUTOR FOR LITERATURE

Clip This Ad—Send to Distributor with Name, Address, Specify Model of Tractor.

DISTRIBUTED BY
PRICE BROS. EQUIPMENT, INC.
 533 Eldora
 Wichita, Kansas

MID-WESTERN INDUSTRIES, INC.—1009 SOUTH WEST ST., WICHITA, KANSAS

KANSAS FARMER Classified Advertising

WORD RATE

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

Livestock Ads Not Sold on a Per-Word Basis

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 1/4 inch.....\$4.90 1/4 inch.....\$4.90
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Cuts are permitted only in Poultry, Baby C Livestock and Pet Stock Ads. Write for special display requirements. Kansas Farmer, Topeka, Kan.

FEATHERS WANTED

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

OF INTEREST TO WOMEN

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

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

Women make money at home, spare time ready cut Rap-A-Round. Easy, profit. Hollywood Mfg. Co., Dept. AF, Hollywood, Calif.

Send Wool or Wool Rags. For woollens, blankets. Free circular. Litchfield Wool 303 N. Sibley, Litchfield, Minn.

Typists, hand writers. Nationally known company provides details of spare time earnings, addressing envelopes, etc. Lists. Details free. Allied, Box 1149E, Knoxville, Tenn.

New Towels, large size, assorted colors. back guarantee. 12 for \$1.00. Order now. Ray Hill House, Dept. 336-B, 157 East 31st St. New York, N. Y.

Kitchen Aprons \$1.00, 80 sq. percale drind State color, waist. Apronne Shoppe, Rock, Okla.

Quilting? Remnants? Silks, cottons, v suitings, satin; samples 10c—Rainbow, Springs 13X, Tenn.

OF INTEREST TO ALL

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

Outdoor Toilets, Cesspools, Septic Tanks deodorized with amazing, safe, harmless der. Easy, economical to use. Saves dirt pumping. 150,000 customers guarantee satisfaction. Details free. Burson Laboratories, 0-44, Chicago 22, Ill.

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

Money-making Opportunities. Choose from dreds. Read world's biggest classified free copy. Popular Mechanics Classified, 2 East Ontario, Chicago 11, Ill.

Handcraft, all kinds, wanted for Cras sales. What can you offer? Want list 3c. sales, Loganville KF, Wis.

Income Tax Problems—Personal, business returns. Low cost service. Mail \$1 for Saver Guide. Donald Hilliard, 1697-G Broadway, New York, N. Y.

Know Kansas. Beautifully Bound travelogue taining 24 colorful stories and pictures of sas. Send one to someone, and keep one \$1.00 for two books to C. A. Co., Box Wichita, Kan.

Identification and all purse size cards. sealed forever against moisture, dirt. Air mail two cards with dollar. We fly cards immediately. Satisfaction guaranteed. Sealers, Yakima, Wash.

HOGS

VERN ALBRECHT SELLS

70 head of DUROCS

54TH ANNUAL BRED GILT SALE

February 6, 1954

Smith Center, Kansas

Excellent Bred Gilts—20 Gilts and Boars in champion bloodlines bred to the top of the breed. Meaty type, grow fast and big. 4-H and FFA material. Write for log.

"Durocs Since 1900"

VERN ALBRECHT, Smith Center, Kansas
Bert Powell, Auctioneer

KANSAS DUROC BREEDERS' ASSOCIATION BRED GILT SALE

Wed., Feb. 3, 1954

at the Beverly Wilson Sale Pavilion

Salina, Kansas

10:00 A. M. — Sale 1:00 P. M.

Head of meat type Bred Gilts and 15 Head of Fall Boars and Gilts. To be sold free, this is the only consignment of Duroc Bred Gilts in the state. For log write

LEON BELL, Lebanon, Kansas
Bert Powell, Auctioneer

Buy Fast Growing Meaty DUROCS

Log auctions held now. For free list write: KANSAS DUROC BREEDERS' ASSOCIATION, Room 2, Peoria 3, Ill.

DUROC BRED GILTS FOR SALE

Log of Fancy Velvet and Red Wave Mated to Red Rocket for February and March. These are the best we have ever offered. For information write or see GERMANN & SON, Manhattan, Kansas

KANSAS YORKSHIRE BREEDERS ASSN.

February 9, 1954

Fairgrounds

Hutchinson, Kansas

Offer at auction 40 head. Bred sows and open gilts and boars.

For information write

D. WM. BURKHOLDER, Sec.
Abilene, Kansas

AUCTIONEERS

HAROLD TONN

Auctioneer and Complete Sales Service

Write, phone or wire
Haven, Kansas

THE CHISHOLM TRAIL
ABERDEEN ANGUS SALE

Caldwell, Kansas

Wednesday, Feb. 10

Sale at 1:00 P. M.

To be held in the Community Building.

Third Annual Sale

71 HEAD—18 Bulls, 53 Females

Alon A. Belmeir Family, Renfrow, Okla.
E. Crosslin, Deer Creek, Okla.
Adell Davis, Norwich
Bert D. Goodin, Derby
R. Holder, Jr., Norwich
H. Hunt, South Haven
Mer Jamieson, Deer Creek, Okla.
W. Johnson, Caldwell
M. Martin, Augusta
Curry Brothers, Sedgwick
Quilian Angus Farm, Clearwater

Donald Morton, Argonia
Eugene Neal, Caldwell
Lewis M. Neal, Renfrow, Okla.
L. B. Parsons & Sons, Anthony
Floyd M. Scarlett, Harper
Carl Schmidt & Co., Caldwell
Harry P. Schmidt, Corbin
Lawrence Schmidt, Corbin
James W. Smith, Caldwell
H. R. Wilk, Clearwater
John Clark Wilk, Clearwater

For information and catalog write

DONALD MORTON, Sale Mgr., Argonia, Kan.

Auctioneer: Ray Sims, Belton, Mo.

Public Sales of Livestock

Aberdeen-Angus Cattle

February 6—Green Valley Farms Dispersion
Summers Farms Production Sale, Sedalia.
Mo. J. B. McCorkle, Sale Manager, Smithville, Mo.
February 8—Penney & James, Hamilton, Mo.
J. B. McCorkle, Sales Manager, Smithville, Mo.
February 10—Chisholm Trail Angus Breeders,
Caldwell, Kan.
March 18—C. E. Reed, Wichita, Kan.
March 20—Ed Polka, Riverton, Nebr., sale at
Franklin, Nebr.
March 29—Ericson-Thalman Davis, Hutchinson,
Kan.
April 19—Northeast Kansas Angus Association,
Hiawatha, Kan.

Hereford Cattle

January 23—Walnut Valley Hereford Ranch,
Waite Bros., Winfield, Kan.
January 25—Owens Hereford Farms, Kidder,
Mo. Reg. Polled Hereford Dispersion Sale
at Chillicothe, Mo. Donald J. Bowman, Sale
Manager, Hamilton, Mo.
January 30—NEK Hereford, Topeka, Kan.
February 3—Kaw Valley Hereford Sale, Man-
hattan, Kan.
February 5—H.C. Herefords, Colby, Kan.
February 8—Dickinson County Association, Abi-
lene, Kan.
February 9—Kansas Range Bull Sale, Dodge
City, Kan.
February 10—Salina Hereford Sale, Salina, Kan.
February 16—Solomon Valley Sale, Osborne,
Kan.
February 24—Sun Ranch Calf Sale, Salina, Kan.
February 26—Sam Gibbs, Clay Center, Kan.
March 1—Marshall County, Marysville, Kan.
March 3—Great Plains Herefords, Hill City, Kan.
March 17—Salina Hereford Sale, Salina, Kan.
April 3—J. Carswell & Sons, Alton, Kan.
April 14—Salina Hereford Sale, Salina, Kan.

Dual-Purpose CATTLE

LOCUST DELL FARM OFFERS

MILKING SHORTHORN

Heifers and Young Cows of top breeding.
Louis Mischler, Bloomington, Kan. (Osborne Co.)

Dairy CATTLE

NORTHCREST FARM offers for sale Pure-
bred Holstein Bulls
up to 20 months old. Record of dams up to 730
lbs. B.F. Latest model DeLaval magnetic milker
\$250. See our herd and new milking barn, the lat-
est thing in milking. 12 miles west of Manhat-
tan, Kan. WESLEY NAUERTH, Riley, Kan.

REGISTERED HOLSTEINS

HIGHER VIEW DAIRY FARM

125 head Clyde Hills & Crescent Beauty Ad-
mirals; serviceable-age bulls for sale or
lease; you can raise and use a baby bull and
receive 1/2 interest in him; an occasional 4-H
and FFA heifer for sale; sometimes have
good young cows for sale; have cows up to
800 lbs. fat, 2 time milking; visit our Rit-
Way Milking Parlor.
J. D. & E. E. FELLERS, Hays, Kansas
4 miles north of Hays, Highway 183

FOR SALE

1 HOLSTEIN BULL

Year old February 12, 1954. Outstanding pedi-
gree. Reasonably priced.

WILSON BROTHERS, Lincoln, Kansas

REGISTERED GUERNSEY BULLS

3 to 9 months old, including
son of grand champion cow
1953 State Fair. Computed
365—3X 3 yr. record over
600 lbs. fat. \$100.00 up. Also
4-H Heifers.

HERMAN H. SCHRAG
Pretty Prairie, Kan.

REGISTERED GUERNSEYS (Since 1906)

Cows—Bred Heifers—Open Heifers—Bulls
Production—Type—Reproduction
Ransom Farm (Franklin Co.), Homewood, Kan.

WISCONSIN DAIRY CATTLE

Choice Holstein, Guernsey and Brown Swiss
Calves, Yearlings and Springing Heifers. Deliv-
ered to your farm C.O.D.
Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419

WAITE BROS. ANNUAL SALE DATE FOR 1954 IS JANUARY 23—WINFIELD, KAN.

Sale will be held in our new sale barn at Walnut Valley Hereford Ranch,
3 miles west and 1/2 north of Winfield.



Selling 70 HEAD

35 Bulls—35 Females

The Bulls: 6 two-year-olds; 25
yearlings, 4 calves.

Females: 7 young cows, all have
or will soon have calves; 19
bred heifers, 10 open heifers.

HERD BULL POWER BEHIND THE OFFERING

Domino Lad KTO 111th—the \$9,100 all-time top bull of Nebraska's
Domino Lad C 14th sales. Champion at Chadron—a big, yellow bull, heavy
boned, 17 sons, 17 daughters and 2 heifers bred to him sell. CA Larry
Domino 9th (owned jointly with Ray Rusk) the \$8,500 second highest sell-
ing son of the Register of Merit MW Larry Domino 133d, size, thickness
and bone to burn, 7 sons, 3 daughters and 7 heifers bred to him sell.
OJR JUPITER STAR 12th—the sire of a champion female at the Kansas
State Fair, a champion bull and reserve champion female, the same year
at Sunflower Futurity and the sire of 8 other champions and top sellers at
Flint Hills, South Central Kansas and Oklahoma-Kansas, and Hereford
Association Sales. 7 sons, 2 daughters and 7 heifers bred to him sell. Also
featuring the get and service of Mischief Aster, a 2,200 lb. son of Bones
Stock Farm's Publican Aster and—WHR Regality 87th, son of WHR
Royal Duke 3d.

For catalogs write

KENNETH or BOYD WAITE, Winfield, Kansas

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

KANSAS HEREFORD ASSOCIATION RANGE BULL SALE



Dodge City, Kansas

Tuesday, February 9, 1954

McKINLEY-WINTER LIVESTOCK COMMISSION CO.

Selling 200 Head of Serviceable-age Range Bulls

The bulls will be graded and judged for selling order at 10 a. m. on February
8. Sale at 10 A. M.

CONSIGNORS

ARBUTHNOT BROS., Haddam
GUS BOITNOTT, Larned
RALPH CHAIN & SON, Haven
CHISHOLM CREEK RANCH, Valley Center
CK RANCH, Brookville
F. W. CLELAND & SON, Baldwin
GEO. CONRADY & SON, Kingman
COX HEREFORD RANCH, Englewood
RAY E. DILLON & SONS, Hutchinson
FRANCIS DODGE, Penola
JOS. M. DORTLAND, Gorham
O. W. FISHBURN & SON, Haven
HAROLD GINGRASS, Sedgwick
LEONARD HELD & SON, Great Bend
L. W. HENRY, Leoti
W. E. JUSTICE, Hutchinson
JOE LEWELLEN, El Dorado
C. C. MOTT & SONS, Iuka

R. O. NOAH, Palco
PELAJO PROPERTIES, Hugoton
RAYLORD FARMS, Hutchinson
CHARLES RAYL, Hutchinson
J. H. SALLEY, Liberal
J. A. SCHOEN & SONS, Lenora
C. O. STEFFEN & SON, Burdett
GEO. SCHLICKAU, Haven
RAY O. SMITH, Barnard
WALTER STOSKOPF, Holsington
TITUS & STOUT, Cottonwood Falls
TWIN OAK FARM, Moundridge
WALSTEN & SON, Hutchinson
WEDMAN BROS., Kanville
EARL WHITE & SONS, Elkhart
WILBORN & PUTNAM, Holsington
DWIGHT H. WILLIAMS, Nekoma
O. P. WILLIAMS, Ulysses

For catalogs and information write

TOM SULLIVANT, Sec.-Mgr., 137 East 11th, Hutchinson, Kan.
Mike Wilson for Kansas Farmer

Subscribe to Kansas Farmer Now

KAW VALLEY HEREFORD ASSOCIATION
4TH ANNUAL SALE

Wednesday, February 3, 1954

FAIRGROUNDS

MANHATTAN, KANSAS

Sale in heated building. Lunch on grounds.

Selling 55 HEAD Reg. Herefords. Horned-Polled

Serviceable age bulls and bred and open heifers, suitable for 4-H and FFA
projects. Good honest useful cattle—not overly fitted. Popular bloodlines
—previous sale cattle doing buyers good job.

For catalog write

W. A. MOYER, 1027 Kearney, Manhattan, Kan.

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

Northeast Kansas Hereford Association's
Ninth Annual Sale
Saturday, January 30, 1954
Kansas Free Fairgrounds
Topeka, Kansas

54 LOTS — 36 Bulls and 18 Cows

Cattle judged at 10 A. M. for sale rotation, Sale at 1 P. M.

Gene Watson, Auctioneer

Lot Taylor, Judge

CONSIGNORS:

ATWATER, CHAS. K.	Netawaka
BECKER HEREFORDS	Meriden
BEEKS HEREFORD FARM	Baldwin
B-W RANCH	Topeka
COOLEY, A. F.	Topeka
GIDEON, GARLAND R.	Paxico
GIDEON, ARNOLD	Paxico
HECK HEREFORD RANCH	Lawrence
HUG, FRANK & SONS	Seranton
KANSAS STATE COLLEGE	Manhattan
LAWRENCE, J. F.	Meriden
LOHRENGEL, L. A.	Washington
McCULLOUGH, F. P.	Rossville
MORRISON, C. P.	Meriden
PREMIER FARMS	Wolcott
RAY, JESSE	Topeka
REBENSTORF, HELEN	Wetmore
REBENSTORF, WARNER	Wetmore
RIDGWAY, C. W.	Tonganoxie
SACKETT, CHAS. S.	Tonganoxie
SACKETT HEREFORD FARM	Tonganoxie
SANDERS, R. R.	Miller
WILLIAMS, ORION	Hoyt

For sale catalogs write

E. G. BECKER, Secretary, Meriden, Kansas

Mike Wilson for Kansas Farmer

**Angus heifers make
SUPERIOR MOTHERS**

Less calving trouble

Angus heifers have less calving trouble, for Angus calves have smaller, polled-shaped heads. Gives you more calves to sell.

Give more milk

Angus cows are alert, aggressive mothers . . . provide more milk for their calves. Gives you bigger calves to sell. Be ahead! Build an Angus herd! Buy Black heifers!

American Angus Assn., Chicago 9, Ill.



**REG. ANGUS COW
HERD DISPERSAL AT
PRIVATE TREATY**

Our 130 head of choice Angus cows that are descendants of the Johnson Workman herd and also trace directly to Earl Marshall. Some of the most solid bloodlines of the breed. In the 24 years we have exhibited in the Feeder Calf Division at the American Royal. Our entries have never placed below Third Place. Remember we exhibited the Grand Champion Load of Feeders at the 1953 American Royal. This is a working herd of cows, in ordinary breeding condition and priced reasonable.

For information contact
CLAUSSEN ANGUS RANCH
Russell, Kansas

**Angus Herd
BULL FOR SALE**

Black Peer 5th of O. H. 1165975 calved February 4, 1949. Sire Prince Sunbeam 205th 932039. Dam Blackcap of R. L. S. 2nd 968598. He has a 25 star pedigree. A proven sire. Come see his calves. Also some good sons and daughters for sale at reasonable prices. Junior herd sire is Black Peer 28 of Level Acres by Black Peer 28 of Angus Valley.

H. G. ESHELMAN
Sedgwick, Kansas



REG. ANGUS FOR SALE

Bulls of Eileenmere breeding, ages ranging up to twenty-two months. These bulls will improve farm and ranch herds. Also a few cows to calf shortly.
ELMER H. SELLIN
Chapman, Kansas

Beef CATTLE

**PENNEY AND JAMES
12TH ANNUAL SALE
Monday, February 8, 1954
"THE HOME PLACE"
HAMILTON, MISSOURI**

Selling 30 Bulls and 40 Females

BULLS—Featuring the sale of HOMER EILEENMERE 374TH, many times 1st son of Homeplace Eileenmere 999-35th bulls selling are sired by these bulls in ice at Home Place. Eileenmere 487th Eileenmere 999th, Homeplace Eileenmere 35th, Homeplace Eileenmere 687th and 5 of them are from our most successful herd. We offer the same high quality previous sales. We have a bull for you & James bulls are working in herds in most of the states and Canada.

FEMALES—In the 40 females we are featuring Homeplace Ganner 6th the and reserve grand champion female international from the same dam as place Eileenmere 999-35th, bred to Homeplace Eileenmere 374th. These will be daughters of the bulls that are in service at Home Place. This is one of the group of Eileenmere bred bulls to be anywhere. These heifers are selected a very large group and several head offered from our show herd. Many more sought of families offered, including 3 famous Gammers. Many females will carry the service of our many champion HOMER EILEENMERE 374TH, Homeplace Eileenmere 687th, Eileenmere 999th, 5 select open heifers with breeding privilege.

For sale catalog write to
J. B. McCORKLE, Sale Mgr., Smithville
PENNEY & JAMES
Hamilton, Mo.

J. C. Penney & Orlin L. James, Owners

Orlin James, Manager

Auctioneers: Johnston, Sims, Goe

Bert Powell with this publication

**Eighth Annual Hereford
DICKINSON COUNTY
HEREFORD ASSOCIATION**

February 6, 1954

Abilene, Kansas

Horned and Polled Herefords,
45 head of selected cattle offered

For catalogs write to
WILTON B. THOMAS
Box 153 Abilene, Kansas
Gene Watson, Auctioneer

Selling 4 BULLS

N. E. KANSAS HEREFORDS
JANUARY 30, 1954 — TOPEKA, KAN.
2 Bulls by M. H. Royal Tredway 115
Royal Tredway 15 and H. Royal Tredway
WCR Melo Tredway 2 by Melo Tredway
H. Super Donald A. by PHR Super Donald
These bulls are of serviceable age and
Hazellett dams.
REBENSTORF Herefords, Wetmore

**ANNOUNCING THE
POLLED HEREFORD
COMPLETE DISPERSION SALE**

on Monday
January 25, 1954

at 1:00 P. M. of
OWENS HEREFORD FARMS, A

Chillicothe, Missouri
80 Head Sell

This is one of the top offerings of the West to sell at auction. You will find of the top bloodlines of the nation offering. Two top herd sires.
30 Cows, all good ages with 22 c at side. **18 Heifers**, a few mostly open. **8 Coming Year Bulls**. **6 head of Coming Year Bulls** are consigned by Green Stock Farm, Hamilton, Mo.

For information and catalog write to
DONALD J. BOWMAN, Sale
Hamilton, Missouri
OWENS HEREFORD FARMS
Owners
Jewett Fulkerson, Auctioneer

**You Can Find Top
POLLED HEREFORDS**

in the F. L. Robinson & Sons

January 26, Kearney, Nebraska

and Nebraska Polled Hereford

January 27, Columbus, Nebraska

Remember the dates and

both events.

F. L. ROBINSON & SONS

Kearney, Nebraska



**REG. POLLED
HEREFORD BULLS**

Good commercial
Bulls sired by AL-8
Domino 75. 15 to 20
old.

RAYL & CO.
Kingman, Kan.

Always a Demand—for HG Herefords

because . . .

**They Are Pacesetters
for Improvement**

**Annual Sale—Feb. 5, 1954
COLBY, KANSAS**

30 Bulls—30 Heifers



HG CRUSTY 407 SELLS AS LOT 1



HG CRUSTINA 419 SELLS AS LOT 60

TR Zato Heir 256, bred and owned by Turner Ranch was leased to us last fall with the agreement we would sell him in our sale. 15 heifers carry his service. We were fortunate to secure the service of this bull as he was scheduled for show and sale at Fort Worth.

The bull offering includes . . .

16 Large useful bulls 20 months old by CK Crusty 36 and HG Larry

10 bulls by CK Crusty 36, 16 months old

4 real good 12-month-old bulls by CK Crusty 36

There are several herd bull prospects.

The female offering includes . . .

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Hope Expects Favorable Action On Watershed Flood Prevention

CLIF STRATTON, Kansas Farmer's National Affairs Editor

WASHINGTON, D. C.—Assurances as received from farm organization leaders, and from farm-minded members of Congress, lead Rep. Cliff Hope, Fifth Kansas, to believe is a good chance of getting favorable action this session on his water-conservation and flood prevention bill. Congressman Hope is chairman of the House Agriculture Committee. Sen. George Aiken, of Vermont, chairman of the companion Senate Committee, has the same bill in the Senate.

The Hope-Aiken watershed conservation and flood prevention bill would prize federal partnership with local watershed districts all over the Nation. The "pilot" measure, authorizing construction of 50 small watershed projects, over all provided 50-50 share of costs, with an initial appropriation of 5 million dollars to start these projects. The 3-year "pilot program" would estimate total costs of around 10 million dollars, on the 50-50 basis, all. Soil Conservation Service is some leeway in reaching agreement with local watersheds on exact share of costs in each case.

The bill Hope and Aiken hope to get this session would consolidate all watershed development and make easier to get projects planned and approved. Each project would call for 100 acres, "tie down" land in the watershed with conservation practices, including planting grasses and other vegetation to help hold water, then put all ponds, detention dams. The big idea is to hold water inside the watershed, thereby not pouring it and valuable soil into creeks and rivers and out in main stream big dams. Conservationists hold correct practices and upstream will make many of the needed maintenance dams unnecessary.

The biggest immediate problem Congress faces, of course, is what to do with the government-owned surpluses of commodities and products taken over or placed direct under the farm price-support program. It is expected these surpluses will amount to 5 billion dollars, by next fall.

Chairman Hope said his committee is certain to give early attention to that would:

Authorize large-scale sales of surplus wheat, cotton and other surplus

commodities in exchange for foreign currencies, instead of dollar exchange.

2. Provide new and easier methods of giving away surplus crops for foreign relief thru agencies such as CARE.

3. Write some of forest service regulations into law, giving stockmen right to appeal against decisions of forest service officials in certain cases. Forest Service controls grazing of cattle and sheep on national forest lands.

4. Make provision for government-made or government-guaranteed loans for certain types of soil conservation activities and practices.

Continuation of 90 per cent loan program for at least an additional crop year on commodities so protected now, with possible additions, still looks to be in the cards. The proposed 2-price system for wheat, appears at this time to be in for hard sledding. Ditto also for cotton, even harder sledding.

President Eisenhower's well-known desire to conduct relations with the Congress on as nearly a non-partisan basis as possible may be on the way to fulfillment. This gratification due to fact the Republican "majority" in the Senate is technically a "minority"—47 Republicans, 48 Democrats, 1 Independent (Wayne Morse of Oregon). And in the House the GOP has only a bare constitutional majority—Republicans, 219; Democrats, 215; Independent, 1.

Under the circumstances, it is difficult to imagine strict party lines in the voting on any of the following other major issues: Spending for defense and foreign aid; taxation; debt ceiling; measures to promote prosperity; atomic energy at home and abroad; Taft-Hartley act amendments; minimum wage upping; social security changes; probes of subversion; peace in Korea; Indo-China and other trouble spots; reciprocal trade; government in business; public power; housing; postal rates; Bricker proposed amendment to Constitution; immigration law changes; statehood for Hawaii, for Alaska.

Democrats, at least many of them, are looking forward to President Eisenhower's "Middle-of-the-road" march toward the end of the session to veer considerably to the left of center. That is to garner enough support for a record of success in getting Congress to approve legislation in which the White House is particularly interested.

COMING EVENTS

January 16—Rooks county soil conservation meeting, Codell.
January 18—Coffey county winter livestock Burlington courthouse, 10 A. M.
January 18—Osage county crops, fertilizers meeting, Osage City, 10 A. M.
January 18—Clay county Artificial Breeders Association annual meeting, Clay Center city auditorium, 8 P. M.
January 18—Woodson county soil conservation annual meeting, community building, Center, 7:30 P. M.
January 18—Johnson county vegetable meeting, Center.
January 18—Atchison county drouth committee meeting, Effingham.
January 18—Labette county Dairy Herd Improvement Association annual meeting, Oswego city building, 11 A. M.
January 18—Labette county farmers stag Oswego VFW Hall, 7:30 P. M.
January 18—Wilson county Artificial Breeders Association annual meeting, Altoona.
January 18—Nemaha county winter crops Seneca, 10 A. M.
January 19—Woodson county marketing school Hoss and Miss Gladys Myers of KSC, Center community building.
January 19—Rice county 4-H Club clothing training school.
January 19—Cloud county Artificial Breeders Association annual meeting, Concordia city hall.
January 19—Brown county crops and soils with C. R. Jaccard and L. E. Willoughby.
January 19-21—Norton county 4-H Club delegation Denver stock show.
January 20—Rice county welding meeting.
January 20—Wilson county livestock school, Center.
January 20—Atchison county unit leaders school lesson on annuals and perennials.
January 20—Ottawa county Artificial Breeders Association annual meeting, Minneapolis Convention Room.

January 20—Elk county crops school with E. A. Cleavinger and Claude L. King of KSC, USDA building.
January 20—Harvey county Soil Conservation Service annual meeting, Halstead.
January 20—Barton county poultry roundup, Great Bend city auditorium.
January 20-22—Kernel Analysis Conference, KSC, Manhattan.
January 21—Atchison county agronomy and new farm program meeting with E. L. Willoughby and C. R. Jaccard, Effingham.
January 21—Cloud county Soil Conservation Service district annual meeting, Concordia High School.
January 21—Marion county Artificial Breeders Association annual meeting, Hillsboro, 10 A. M. to 3 P. M.
January 21—Osage county Artificial Breeders Association annual meeting, Lyndon, 1:30 P. M.
January 21—Sheridan county food and nutrition specialists' demonstrations, Hoxie.
January 21—Allen county winter beef and marketing school with Ray Hoss and Wendell Moyer, of KSC, Iola, 10 A. M.
January 21—Dickinson county Soil Conservation Service district annual meeting, Sterl Hall, Abilene, 7:30 P. M.
January 22—Dickinson county Artificial Breeders Association annual meeting and dairy school, Sterl Hall, Abilene, time to be announced.
January 22—Harvey county winter farm budgeting school.
January 22—Rice county district Home Demonstration Unit advisory committee meeting.
January 23—Anderson county agronomy and insect control meeting, Garnett, 10 A. M. to 3 P. M.
January 23—Rice county first day of county 4-H Club model meeting contest.
January 25—Butler county crops school with E. L. Cleavinger, Dell Gates and Claude L. King, of KSC, El Dorado, 10 A. M.
January 25—Haskell county home management meeting, Sublette, 10 A. M.

January 25—Atchison county 4-H Club junior leadership meeting, Effingham.
January 25—Atchison county Soil Conservation Service district annual meeting.
January 25—Atchison county drouth committee meeting, Effingham.
January 25—Coffey county Dairy Herd Improvement Association annual meeting and dairy school, courthouse, 10 A. M.
January 25—Kearny county 4-H Club leaders meeting, Lakin, 10 A. M. to 3 P. M.
January 25-26—1954 National Polled Short-horn Congress, Ocala, Fla.
January 26—Norton county district lamb and wool school, Norton.
January 26—Woodson county dairy school with Ralph Bonewitz and George W. Gerber, of KSC Yates Center community building.
January 26—Johnson county Kansas Artificial Breeding Service Unit, Olathe.
January 26—Rooks county district lamb and wool school, Norton.
January 26—Hamilton county leader training school, Syracuse, 1:30 P. M.
January 26—Nemaha county 4-H Club leader training school, Seneca, 10 A. M.
January 26—Sheridan county animal husbandry meeting, Norton.
January 26—Kingman county poultry meeting, Kingman.
January 26—Cowley county agronomy, insect and plant disease school with E. A. Cleavinger, Dell Gates and Claude L. King, of KSC, Winfield, 10 A. M.
January 27—Wilson county dairy school, Fredonia.
January 27—Atchison county 4-H Club council meeting, Effingham.
January 27—Harvey county farmers' night, city auditorium, Newton.
January 27—Brown county 4-H Club livestock school with Wendell A. Moyer and Roger Regnier, of KSC.
January 28—Atchison county 4-H Club tractor maintenance project meeting, Atchison.
January 28—Rice county stag supper with Lester Weatherwax, speaker.

TREND OF THE MARKETS

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	Week Ago	Month Ago	Year Ago
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Eggs, Standards	.42	.44	.42
Butterfat, No. 1	.56	.56	.58
Wheat, No. 2, Hard	2.52 1/2	2.47 1/2	2.46
Corn, No. 2, Yellow	1.57 1/2	1.58	1.62
Oats, No. 2, White	.96	.94 1/2	.96 1/2
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