

cop 2



JANUARY 17, 1953

Kansas Farmer



IDENTIFYING varieties is one test field inspectors must pass before going out as representatives of Kansas Crop Improvement Association. Here are men at Cowley county school.



L. L. UTZ, Highland, outstanding hybrid seed corn grower, looks over his stand.



TAKING NO CHANCES of getting weeds or mixtures of seed from fence rows, Homer Dettweiler, Cowley county, mows isolation-strip around Ponca wheat for certification.



H. W. CLUTTER, Holcomb, chairman of research division, National Association of Wheat growers, will discuss national program at KCIA's annual meeting February 5.



WORKING to bring bigger and better crops to Kansas are these folks of Crop Improvement Association office in Waters Hall, Kansas State College. Standing is Secretary-Treasurer L. L. Compton, Jake Ubel, left, assistant secretary, and Carol Webster, certification clerk.

Crop Improvement Work Makes Great Headway!

Kansas is one of few states in which seed inspection and certification are self-supporting

OUTSTANDING service to Kansas agriculture marks every step of the amazing progress made by the Kansas Crop Improvement Association, Inc. It originated as the Kansas Seed Corn Breeder's Association 50 years ago. KCIA, which this year gathers in annual meeting February 5, at Manhattan, has a rich heritage. Its rolls of membership thru the years have been comprised of *(Continued on Page 20)*

- When 4'Hers Go to College Page 4
- Farm and Home Week Page 4
- Serve Wintertime Specials Page 24

K S C LIBRARY
MANHATTAN KANS
COMP-K
2 COPIES

Teach your livestock FENCE MANNERS



106 WEED CHOPPER

with Famous International ELECTRIC FENCES

- ★ EASY TO INSTALL
- ★ EASY TO MOVE
- ★ KILLS WEEDS AND GRASS
- ★ EFFECTIVE IN DRY CONDITIONS

Here's how to stop your livestock from rubbing down or breaking through your fences. Use electric fences powered by an International Electric Fencer. With a 106 Weed Chopper, your hogs, steers, milk cows, or sheep will learn "fence manners" in a hurry. The International No. 106 has solved fencing problems for thousands of farmers from coast to coast. This controller operates off 110 volts A.C. and is effective on many miles of fence... yet the cost is only \$29.50. Grass and weeds short out most electric fences, but not the Weed Chopper. When plant growth touches a fence wire controlled by the No. 106, it is chopped off. The Weed Chopper operates most effectively in dry climatic conditions. Ask your nearest International dealer today for a free demonstration of the No. 106. You'll see why more than 100,000 farmers have purchased this electric fencer.



375 CENTURY

TOP BATTERY MODEL

Another popular International fencer is the No. 375 Century. This de luxe 6 volt self contained battery model is recommended for outside or inside use. Wherever you can drive a ground, the Century will make your livestock back up and respect your fences. The No. 375 has a power output double any other make battery model... with a constant effectiveness all the way along your fence lines. It is a superb model for those distant pastures or where electricity is not readily available.

The Century is the most adaptable 6 volt battery fencer—will operate where others fail due to dry climatic conditions. This model has a continuous indicating system with bearings that can be easily cleaned and oiled. It also has super nickel silver points that are easy to clean and maintain. The completely portable Century sells for only \$19.75.



national Electric Company. These fencers bear the International Electric Company diamond shaped label shown here. Look for it!

FITS EVERY FENCING CONDITION

There's an International Electric Fencer for every fencing need and the price is right too... from \$12.95 to \$32.50. Make sure you buy an International controller, the fencers that are sold from coast to coast and made in Chicago by the International Electric Company.

LIFETIME SERVICE POLICY

The users of International Electric Fencers are fully protected against defective materials and workmanship. Purchasers are also given a lifetime service policy.

FREE FOLDER ON FENCING

You can get a FREE folder on "How to Build a Good Electric Fence" by simply filling out the coupon below and mailing it to the International Fencer Company. This folder explains the most economical methods of using electric fencing and gives you some good tips on putting up fence for best operation.

INTERNATIONAL FENCER CO.

Dept. B, 1105 W. Chicago Ave.
Chicago, Illinois

Please send me a FREE copy of your folder
"HOW TO BUILD A GOOD ELECTRIC FENCE"
This in no way obligates me.

Name

R. R. or Street County

City or Town State

Proud of Their School They Feel It Is a Pleasant Dream Come True

GENTLEMEN: It was with a lot of pleasure I read the account of Union District No. 1 in Leavenworth county in your December 6, 1952, issue, which carried the picture of the school on your cover page.

We have something in common with Union No. 1 in Leavenworth county, inasmuch as we are the proud patrons of Union No. 1 in Labette county. Our school was built about the same time. Construction was started in July, 1949, and finished in January, 1950.

Have Good Equipment

We voted \$20,000 in bonds to build, furnish and equip our building ready for classes. Equipment included built-in book and map cases, light-green chalk boards, modern rest rooms, kitchen with sinks and built-in cupboards, a drilled well with an ample supply of water, deep-well pump and hot water heater, kitchen utensils and hard maple combination study and recitation tables, which include 4 different size tables and chairs so little folks can be accommodated as well as larger pupils.

Main building has 2 rooms divided by a sound-proof curtain, and it can be rolled back into a recess for community activities.

Back of the 2 class rooms and forming a part of the building is a spacious dining hall 28 by 32. Adjoining this dining room is a kitchen 12 by 14 feet with refrigerator and stove. A part of the original cost was a central heating sys-

tem and gas line to connect with the main gas line, also a 5-acre playground and 2 play porches.

Outside of entire building is covered with asbestos siding and walls and ceilings are insulated with rock wool. All rooms are finished in knotty pine up to 50 inches in height. Remainder of the walls are covered with cathedral celotex in different colors.

Our little folks are given a warm meal every day for 20 cents, and in addition each child receives a pint of milk daily. We have money ahead at the end of the term. Our milk supply is serviced by the Page Milk Company which delivers in the afternoon for use next day.

Our teachers are Mrs. Lyons and Mrs. Allison. Forty-four pupils are enrolled who are transported to and from school in our bus operated by Bob Steeby, who is a very careful driver and gets the little fellows there on time.

Mrs. Gladys Gregory is cook and commodity buyer for everything except that supplied by the school lunch program. She is very efficient. Mrs. Voltz is part-time janitor. Henry Bruhn is director, Charles R. Oakleaf is clerk and True Keeslar is treasurer of the school board.

The Labette County Community High School busses serve this territory which makes this county well supplied with educational facilities as far as the rural population is concerned. We feel this is a pleasant dream come true.—O. L. Oakleaf, Labette Co.

Suggest Keeping Feed in Storage For Use in Short Crop Years

IMPORTANCE of keeping extra feed supplies in storage for emergency use, and utilizing low-quality roughages, were emphasized in discussing current agricultural conditions over the state at a recent conference of Kansas Branch Experiment Station personnel in Manhattan.

Would you be interested in sorghum silage at \$4 a ton delivered? Dr. Rufus Cox, head of the animal husbandry department, Kansas State College, told of a man near Kinsley successfully feeding 3-year-old sorghum silage that cost him less than \$4 a ton. There's even a place for feed like this as a cash crop, Doctor Cox pointed out. "There probably will always be a good market and a limited number doing it."

Problem to Save Straw

In discussing low-quality roughages, Doctor Cox said there was 20 times as much straw in the west this year as in many years, but the problem was to save it, coming the same time as second-cutting alfalfa. Of course, old-fashioned wheat straw had more grain and leaf. Altho it is less palatable nowadays, stock will eat a lot, especially if on soft feeds. Cobs have a value when fed with ear corn, but hauling in for primary roughage should only be done in critical years, he said.

Tendency is to forget experimental work done in the past and suggestions for times such as these. Tankage, for example, with 60 per cent protein content, is available either for a saving over plant proteins or for use with them. Quoting recent Kansas City price on molasses at \$17 to \$18 a ton, compared to price of other feeds, he pointed to possible value of even special preparations needed to make possible handling of this feed, worth 100 per cent nutritive value of grain if replacing not more than 50 per cent grain in fattening ration.

The group made some suggested changes in varieties to be listed as recommended for the state. Sudan K3, voted to be known as "Greenleaf," led the list. It was originally developed from Kansas 1044. Adapted all thru the state.

K4 popcorn was voted as the recom-

mended variety in Southwest on irrigated land. Tall Fescue, of Kentucky 31 type, suggested in east. Missouri O-205 oats received group vote in central and east. A few other regional changes were recommended.

Research problems and future planning were also discussed at the conference. Latest concrete findings of these research bodies have appeared in recent issues of *Kansas Farmer* and more are to appear in forthcoming issues.

Pheasant Cafeterias

Pit silos in this community make good pheasant cafeterias. Every morning when Wendell Hanes and his sons, Bob and Pete, drive into the silo for ensilage for the cows they meet 17 cock pheasants coming out. The Chinese pheasants sit on the ensilage at night and keep their feet warm, and by day scratch around in the silage for grain. Then they go to the feed rack for the dry grain. Leroy Windhorst reports he has both hen and cock pheasants congregated at his silo.—Jessie Adie Dayhoff, Wells.

KANSAS FARMER

Continuing Mail & Breese

ARTHUR CAPPER, Publisher (1893-1951)
121-123 West 8th St.
Topeka, Kansas
Vol. 90, No. 2

H. S. BLAKE, President and Publisher
Raymond H. Gilkeson, Editor
Dick Mann, Associate Editor
Gordon West, Associate Editor
Mike Burns, Associate Editor
Florence McKinney, Women's Editor
Dr. C. H. Lerrigo, Medical Department
Mike Wilson, Livestock Editor
J. M. Parks, Protective Service
Sherl L. Walquist, Advertising Manager
A. E. Carson, Circulation Manager

Member: Audit Bureau of Circulations, Agricultural Publishers Association, National Association of Magazine Publishers.

Published the first and third Saturdays each month at Eighth and Jackson streets, Topeka, Kan., U. S. A. Entered as second class matter at the post office, Topeka, Kan., U. S. A., under Act of Congress of March 3, 1879.

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

Streamline Your Farming

with an ALL-NEW

JOHN DEERE "50" or "60" TRACTOR



YOU'LL speed up every power job, increase the operating efficiency of your equipment, and boost your profits with an all-new John Deere "50" or "60" Tractor.

In their livelier, more flexible power... their new "live" power shaft and "live" hydraulic Powr-Trol... their quick-change wheel tread... their effortless steering and many other major engineering advancements and improvements, these heavy-duty 2- and 3-plow tractors step up performance in many new ways.

*Move Along
Faster on
the Road and
in the Field!*

With their new power, six forward speeds, and "live" hydraulic Powr-Trol, these new tractors save time and eliminate wasted effort in getting to the job or working in the field. About the only time you need leave the tractor seat is to open and close field gates. Shown above is a "60" with the John Deere Wheel-Carried Model "KB" Disk Harrow, one of many brand-new implements developed by John Deere to streamline your farming.

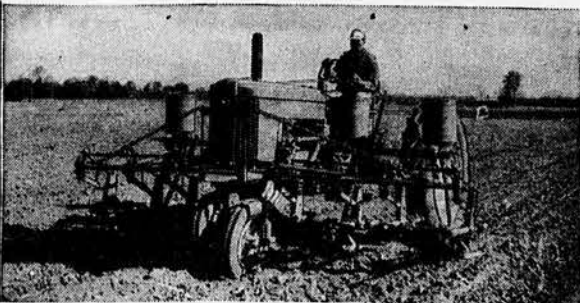
*Hook Up,
Pick Up,
AND GO!*



You hook up, pick up, get to work in minutes—do better work easier and faster than ever before—with a John Deere Model "50" or "60" Tractor and new No. 2100

Tool Carrier. Here, the "60" with carrier and 3-bottom plow is working at 5 mph. Plow can be replaced with any one of more than fifteen different attachments.

*Do Better
Work with
Better
Equipment!*



Available for these new tractors is a complete line of matched integral equipment including many new tools. It's equipment that is modern in design... that

is easy to put on and take off... that is completely adaptable to your particular requirements... and that is noted for good work, easy handling, and long life.



*Speed Up
Every P.T.O.
Job!*

You'll practically eliminate clogging of power-driven machines... do better, more profitable work with the new "live" power shaft that's completely independent of the transmission. It provides full-time power that flows directly to the driven machine without interruption, saves you two-thirds the clutching and

shifting when stopping tractor travel to handle sudden overloads. Along with this "live" power, the Models "50" and "60" have an exclusive low gear. You can creep along at 1-1/2 mph with the power shaft operating at full rpm and harvest heavy crops with minimum loss.

SEND FOR FREE LITERATURE



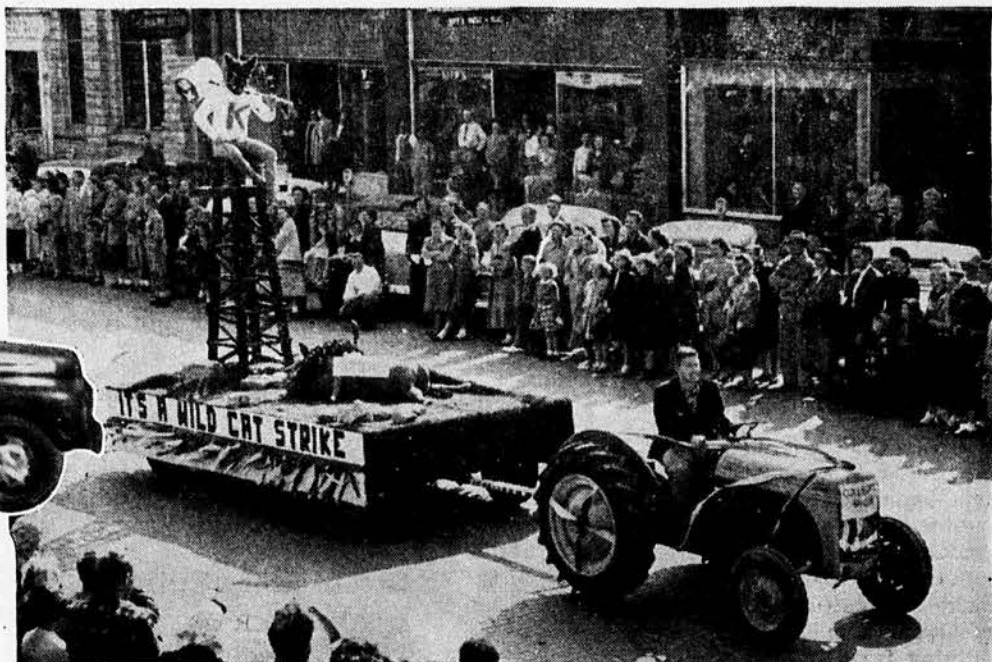
JOHN DEERE • Dept. A-11, Moline, Ill.

Please send free folder on the John Deere Models "50" and "60" Tractors.

Name _____
R.R. _____ Box _____
Town _____ State _____



FORT HAYS COLLEGIATE 4-H Club members put finishing touches on their float, commemorating the college anniversary, 1902-1952.



WILDCAT STRIKE, Collegiate 4-H Club float at Kansas State College, won second prize in last year's Homecoming parade.

What Happens When 4-H'ers Go to College?

By MIKE BURNS

Here is a clear case in which
Kansas farm youth lead the Nation

Editor's Note: Kansas Farmer is proud two of its staff editors were active members of the Collegiate 4-H Club at Kansas State College. Gordon West served as president of the organization and editor of Who's Whoot, 4-H Club state annual. Mike Burns was Collegiate editor of Who's Whoot—R. H. G.

KANSAS has something to crow about in its Collegiate 4-H Clubs! The club at Kansas State College, largest service organization on that campus, and the club at Fort Hays State Teachers College making rapid progress in its short history of less than 3 years, make the work of Collegiate 4-H Club members in Kansas tops in the Nation.

The Collegiate Club at Kansas State, just past its 25th birthday, is nationally known for what is unique among Collegiate club activities

in the Nation, its "Who's Whoot" yearbook.

For almost as many years as the club has been in existence, Collegiate members have been issuing this 200-page annual volume with its pages picturing activities of the 30,000 4-H Club members in Kansas, plus sections devoted to scholarship, leadership and other awards.

A few other states issue such a yearbook. But in Kansas, its publication is handled entirely by the Collegiate 4-H Club at Kansas State and it is financially independent. Proceeds from advertising and sales, after publication costs, go into a Club fund along with annual Collegiate Club dues of \$2 per member. From this fund, the club has made substantial contributions to projects in interest of 4-H'ers.

A gift of \$3,000 went toward dishes for the dining hall at Rock Springs State 4-H Camp. Stage equipment and [Continued on Page 38]



RADIO VOICE of Kansas State College, KSAC, carries each week a Collegiate 4-H Club broadcast, recognizing activities of 4-H'ers in a Kansas county. Here, announcer Ralph Titus, left, chats with Lois Ottaway, Viola, and Ivan Schmedemann, Junction City.



MAJOR PROJECT of Kansas State College Collegiate 4-H Club is publication of Who's Whoot, annual for 4-H'ers all over Kansas, including pictures of their activities by counties. Last year's editor, Lois Ottaway, is standing, center, with her staff, left to right, standing, George Wingert, Duncan Circle. Seated, Anita Shields, Nancy West, Irlene Rawlings, Llano Thelin, Pearl Swart, Harland Copeland.



EACH WITH GREETING of land she visited, 3 IFYE students now returned to Kansas State College, are glad again to join in activities of Collegiate 4-H. They are, from left, Betty Elliott who visited Holland in 1951; Joan Engle, Denmark in 1952, and Dorothy Van Skike, England in 1951. With an American greeting is George Wingert, president of Collegiate Club. Kansas Farmer brings you letters from IFYE's abroad.

Kansas Farmer

News and Comment

Wanted: Your Opinions

KEEN EYES will be watching to see what goes on in Washington this year by way of farm legislation. Don't expect too much immediate change, because first thing will be a very thoro study of the agricultural situation from all angles. Clifford Hope, chairman of the House Agricultural Committee, reports Congressional farm leaders will spend most of 1953 studying farm problems.

This will be done by giving the present set-up a thoro going over, and by holding hearings both in Washington and out over the country. Hope expects his committee to meet and talk with thousands of farmers in every section of the United States. This will take time, so that apparently is one reason he says there will not be much in the way of important legislation during 1953. Of course, urgent problems will get prompt attention.

Hope's statement makes it clear that you as a farmer are invited to express your opinions regarding needed farm legislation. Not only will his committee go out over the country seeking farmer advice, but it will welcome letters from you at any time on any important farm program. We hope Kansas will make full use of this opportunity.

Make Every Job Safe

FARM SAFETY is one of the most important subjects on which *Kansas Farmer* carries numerous articles and editorials. Not because you are unaware of accident hazards on your farm. But for the simple reason "a warning now and then may be the means of saving the best of men."



Ray Gilkeson
Editor

Someone said the best thing that can happen to a person starting out on a long automobile trip is to have a "near" accident. You know how inclined you are to slow down when driving on the highway after you pass a wrecked car. One of the smartest things to do in 1953 will be to stop just a minute as you start a job and think how to avoid accidents. You are the most valuable person in the world to your family—whether you are father, mother, son or daughter.

What brings this up to now is the fact *Kansas Farmer* not only writes about accident prevention on the farm, but also contributes financially to the farm section of the National Safety Council. In addition, Raymond H. Gilkeson, editor of *Kansas Farmer*, is a member of the Farm



"You'll have to give up the electric blanket . . . the incubator broke down!"

Conference of the National Safety Council, which meets frequently in Chicago. The National Safety Council has just presented *Kansas Farmer* with a certificate acknowledging our contribution to the Farm Safety Program.

Our Leading Citizens

IF YOU EVER have been a 4-H Club member, are now a member, or have any members or former members in your family, don't miss the feature story on page 4. It not only tells what happens to 4-H Club members when they go to college, but what opportunities they have all thru life.



Gordon West
Associate Editor

This editorial is headed "Our Leading Citizens" because that is exactly what 4-H'ers become. You will meet some of them in the story just mentioned.

Also, we hope to bring you many happy "reunions" thru *Kansas Farmer*, because we are asking former members of Kansas' Collegiate Clubs to write the editor of *Kansas Farmer*, telling where you are now located, what you are doing, and a high point or two about your days in a Collegiate 4-H Club in Kansas.

We are mighty proud of the fact Mike Burns and Gordon West, associate editors of *Kansas Farmer*, both were active members of the Collegiate 4-H Club at Kansas State College. Mike says: Collegiate 4-H Club offers leadership opportunities of a type not available from any other source. It has the wonderful spirit of 4-H Clubs for a background. Gordon says: Collegiate 4-H Club offers a chance to serve some of our 30,000 4-H Club members over the state, is good background for almost any kind of future business career, offers excellent social contacts. We happen to know Gordon met his charming wife in Collegiate 4-H. President James A. McCain of Kansas State College says: Collegiate 4-H Club is one of the most constructive organizations on the campus.



Mike Burns
Associate Editor

Don't miss that Collegiate 4-H Club article on page 4. If you are a former member in a Kansas college, please write the editor of *Kansas Farmer*.

It's Your Money

THE FEDERAL INCOME TAX was adopted in 1913, with rates ranging from 1 to 7 per cent. Today rates range from 22.2 to 92 per cent. Does that mean anything to you? Yes, indeed! Let's lump all of your taxes together—direct and hidden; federal, state and local. These take about 35 per cent of the average American's income. If you are in the \$2,000 to \$3,000 income group you pay almost 30 per cent of your income in taxes. These facts are reported by the U. S. Chamber of Commerce. Are your taxes too high?

We must help other countries, but perhaps we are doing too much. Your tax money has helped make up 72 billion dollars in U. S. grants and loans to foreign countries since 1940. It has been suggested in all sincerity that other countries do a little better job of helping themselves back on their own feet. We like to be good neighbors, but it is getting too expensive. While on the subject of your tax money, the



"Bakers may not make much money, but they're always in the dough!"

"Many a bookworm has turned into a social butterfly!"

"He is a pretty sharp student—his Dad takes him into his room and strops him 3 or 4 times a week!"

"When success turns a man's head, it always leaves him looking in the wrong direction."

"Acquaintance: one you know well enough to borrow from, but not to lend to."

"He got fired for lying—for lying in bed too long in the morning!"

"A cold is both positive and negative: sometimes the eyes have it and sometimes the nose."

"Brilliant conversationalist: one who talks about you."

U. S. plans to spend almost 20 per cent of its gross national production on defense during the coming year, reports the U. S. Chamber of Commerce. By contrast, Great Britain will spend 12.8 per cent; France, 11 per cent; Western Germany, 10.5 per cent. All 3 are recipients of American aid. Defense is of greatest importance. But waste in defense efforts is inexcusable.

Cheese Output Grows

MORE CHEESE and less butter the world over seems to be the picture, according to The Agricultural Situation. Cheese production, both farm and factory, in the 22 major producing countries shows a slight increase in 1951 over 1950—probably the same trend continues—and is 30 per cent greater than prewar. Farm and factory butter production in 1951, on the other hand, declined from a year earlier, and being considerably less than it was prior to World War II, raises a question in the Department of Agriculture as to the likelihood of recovery to prewar levels. Butter production in 21 countries declined nearly 3 per cent in the year and was nearly 14 per cent less than prewar.

This is an interesting trend. But it certainly doesn't mean people are not interested in butter and other dairy products. Opinion of some who know the world food situation says, "People are desperate, over the larger part of the world, for food. And we are not going to have peace until this need is met." Time to beat swords into plowshares.



"I like your perfume, Mary Jane. Chocolate, isn't it?"

YOU CAN HAVE A "HIRED HAND" IN YOUR FARM KITCHEN WITH

FRIGIDAIRE

Yes, the Farm homemaker can have a full-time housemaid for pennies per day when she makes maximum use of Frigidaire's economical, dependable home appliances.

The Frigidaire refrigerator, electric range and home freezer (representative models shown below) teamed up with the Frigidaire Automatic Washer, dryer and ironer and the electric water heater and cabinet sinks

—all these combine to give the Farm home the freedom and convenience of city dwelling, yet keep all of the good living that characterizes life on the farm.

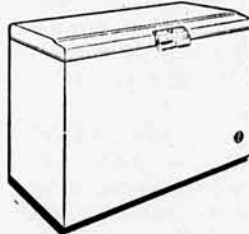
Why not plan to make this a Frigidaire New Year—with Frigidaire appliances that will lighten work, save money and add comfort and convenience the year 'round?



This 7.8 cu. ft. refrigerator is roomy and priced popularly at only \$199.75.



The 30-inch automatic electric range with the largest home oven ever built is ideal for the farm home and priced at only \$219.75.



Here's the 9.2 cu. ft. Frigidaire Food Freezer (also available in 12 cu. ft. and 18 cu. ft.) which can soon pay for itself in economy. Only \$369.75.

SEE FRIGIDAIRE APPLIANCES AT ANY OF THESE QUALITY DEALERS

ABILENE Shockey & Landes	ELKHART Ellis Motor Service	LARNED A. A. Doerr Merc. Co.	PEABODY Baker Furn. Store
ALMA Hasenbank & LaMar	ELLIS O'Loughlin Motor Co.	LEBANON Lebanon Electric	PHILLIPSBURG Newell's Appl. Store
ALFAMONT Holmes Hdw. Co.	ELLSWORTH Mills Furniture Store	LEHIGH Burkholder Lbr. Co.	PITTSBURG Rodkey's
ANTHONY Wood Music Co.	EMPORIA Little-Stephens Furn. Co.	LENORA Eldridge Electrical Co.	PLAINVILLE Mosher Bros.
ARGONIA Horton Furniture Co.	ERIE Rogers' Hdw. & Furn.	LEON Losh Motor Co.	PRAIRIE VIEW Prinsen Bros. Hdw.
ARKANSAS CITY Wright-Burton Hdw.	ESKRIDGE Willard Sales & Serv.	LEOTI Western Hdw. & Sup.	PRATT Link Electric
ARLINGTON Fay's Sundries & Appl.	EUREKA Donnelly's Radio	LIBERAL Hettie Appl.	PRETTY PRAIRIE General Appliance Co.
ARMA Fosilio Hdw. & Appl.	FALL RIVER Fall River Impl. Co.	LINCOLN B. G. Hall	QUINTER Quinter Appl. Store
ASHLAND Grimes Appliance Co.	FLORENCE Roberts Machinery Co.	LEWISVILLE Burkholder Lbr. Co.	RILEY Meyer Mercantile
ATTICA K. R. Anthony Furn.	FORT SCOTT Darling & Maguire	LINDSBORG Billings Refrigeration	RUSSELL Deines Bros.
AUGUSTA Coleman Gas Serv. Co.	FRANKFORD Lauer Electric Shop	LITTLE RIVER Hodgson Impl. & Hdw.	ST. FRANCIS Roelf's Electric
AXTELL Roth's Lock & Ap. Co.	FREDONIA Hollis Hardware Co.	LURAY Hickman & Hampl	ST. JOHN A. J. Electric Service
BAXTER SPRINGS Milo Chew Drug Co.	FURLEY Boyd Implement Co.	LYONS Deardorff Furniture Co.	ST. MARYS Youngkamps Furn.
BELLE PLAINE Foster Refrig. & Appl.	GARDEN CITY Mayo's	MACSVILLE Breitenbach Appl.	SALINA Goodhousekeepers
BELLEVIEW Fitch & Barth, Inc.	GLASCO R. W. Cramer Hdw.	MADISON Schottler's, Inc.	SANBORN Sanborn Lumber Co.
BELOIT Hiserote & Weir Appl.	GOODLAND D & G Electric Co.	MANHATTAN Kauf Furniture Co.	SCOTT CITY Bryans, Inc.
BENNINGTON Powell Service	GREAT BEND Mathers-Jaeger Appl. Co.	MANHATO Beard Motor Co.	SEDAN Ding Bell Chevrolet
BENTON Moots Bros.	GREENLEAF Hogan & Sons	MARION Marion Furn. & Appl.	SHARON SPRINGS C. E. Koons & Son
BLUE RAIDS Brake's Furn. Store	GREENSBURG Culp Home & Auto	MARYSVILLE Fred Burris	SMITH CENTER Gripston's
BUCKLIN Day Hardware Co.	HASTED Mantele's Dept. Store	MCPHERSON Green's Appl. Store	SPEARVILLE Hickman Chev. Co.
BUHLER Kim, Elliott & Gard	HANOVER Leutloff Appl. & Elec. Co.	MEADE C. F. Workman Elec.	STAFFORD Peacock & Soloe
BURDEN Lewis Chevrolet Co.	HARPER Jess Hamilton	MEDICINE LODGE Diekey Appl. Co.	STERLING K-T Oil Station
BURNS Lyons Supply Co.	HAYS Hays Music Co.	MENTOR Johnson's Hardware	STOCKTON Quenzer Appl. Co.
BUSHTON Siemer's Service	HERINGTON Fred Lee & Sons	MILTONVALE Phelps Furn. Store	SYLVAN GROVE F. A. Gatewood & Sons
CALDWELL Terwilliger Hardware	HERNDON J. G. Huttles & Son	MINNEAPOLIS Boyer Gift & Appl. Co.	SYRACUSE Stewart Furniture
CANEY Pendleton Chev. Co.	HILL CITY Quenzer Appl. & Hdw.	MORGANVILLE Will F. Taddiken	TIMKEN Timken Lumber Co.
CAWKER CITY Riley-Rhoades Ap. Co.	HILLSBORO John Hiebert	MOUND Krehbiel Hdw. & Impl. Co., Inc.	TRIBUNE Western Hdw. & Motor Co.
CEAR VALE Williams Motor Co.	HOISINGTON Gelman Appl. Co.	MOUNT HOPE Johnmeyer's	TURON Turon Electrical Sup.
CHANUTE Nay & Bolze Hdw.	HOLYROOD Westmacott Hdw. Co.	MULVANE Lentz & Rodey	ULYSSES Ulysses Hardware
CHAPMAN Sanborn Lumber Co.	HOPE Wuthnow Furn. Co.	NASHVILLE Stewart Motor Co.	VALLEY CENTER Central Supply
CHENEY Cheney Farm Store	HOWARD Virgil Munsinger	NATOMA Pohlman's Home Furn.	WAKEENY Clark Supply Co.
CHEERYVALE Clark's Maytag Co.	HOXIE H & K Appliance	NEODESHA Kimball Electric Shop	WAKEFIELD Sanborn Lbr. Co., Inc.
CHETOFA Blankenship Hardware	HUGOTON Bob Mey Chevrolet Co.	NESS CITY Schroyer's, Inc.	WASHINGTON Grimm Hardware
CLAFIN J. W. Miller & Co.	HUTCHINSON Graber Furniture Co.	NEWTON The Appliance Mart	WATERVILLE Hensley Hdw. & Furn.
CLAY CENTER Marshall's, Inc.	INDEPENDENCE Self-Orr, Inc.	NEWTON Newton Appl. Center	WELLINGTON Nichols Electric Co.
CLIFTON Becotte-Esslinger	IOA Schell's Appl. Store	NORTON Horney's, Appl.	WESTMORLAND Knipp's Cash Hdw.
CLYDE A. Selfert Jewelry	JETMORE Lindas Hardware, Inc.	NORWICH H. S. Eshnauer & Sons	WICHITA The Appl. Center, Inc.
COFFEYVILLE Kingsbury Furn. Co.	JEWELL Jewell Lumber Co.	OAKLEY C. D. Clark & Sons, Inc.	WILLIAMSBURG Vowel Furniture Co.
COLBY Service Tire	JOHNSON Stewart Furniture Co.	OBERLIN Anderson & Son	WILMORE Bowersock Mills & Power Co.
COLDWATER Rural Gas & Elec. Co., Inc.	JUNCTION CITY Waters Appl. Store	ONAGA Tessendorf Furn. Co.	WILSON Weber Hardware
COLUMBUS Brown Refrigeration Service	KENSINGTON Simmons-Oliff	OSBORNE Quenzer Appl. Co.	WINFIELD Winfield Electric Co.
CONCORDIA Culbertson Elec. Co.	KINGMAN Kingman Radio Shop	OSWEGO Williamson Stores, Inc.	YATES CENTER J. G. Schnell
COTTONWOOD FALLS Hamm Electric Co.	KINSLEY Maytag Appliance Co.	OXFORD Donley Hardware Co.	
COUNCIL GROVE Rumsey & White	KIOWA Fisher-Wood Hdw.	PARSONS Ellis Radio & Appl. Co.	
DIGHTON Mull Electric Service	LA CROSSE Lelker's Bonus Store		
DODGE CITY Newkirk's	LAKIN Hart & Co.		
EL DORADO Home Appliances, Inc.			



FOR HOME DECORATION a New York company has a line of light bulbs that have rare flowers inside that glow in pastel colors. Also in the line are various figures that symbolize religious and nursery rhyme events.

Winter brings the need for heat and the season for pig brooding is foretold. With that in mind we read a report from Iowa State College that advised on use of heat lamps. The advice says a clearance of at least 30 inches above bedding should be allowed, well out of reach of sows. When lamps are used with hovers, the hover should be 12 inches above floor and the opening should be covered with hardware cloth with openings no larger than 1/4-inch. The college also suggests that brooder lamp circuits should be able to bear a maximum load of 1,500 watts, and should be used for no other purpose. Also that No. 18 cord is the minimum size practical for suspending the lamps.

Getting back to lights, new fluorescent tubes developed by GE will light within one second of the flick of the switch, and will not blink or flicker during their serviceable life. Furthermore, use of external starters has been discontinued.

Handymen around the house will need an instant-heating soldering gun. It's a versatile tool that can cut rubber or composition floor tile, remove old putty from windows, repair electric and metal equipment and regroove tires. A spotlight that focuses on the item being fixed is another asset.

For cold feet, an electric mat that provides "a warm understanding" in basements, kitchens, washhouses, milk-houses offers a solution to a long-standing problem. The makers claim many colds are caused by cold feet and that the mats provide comfort with an electricity consumption that is less than a 75-watt light bulb.

We are waiting for an electric razor manufacturer to equip his product with a light. Then we can do a good job in some of these remote hotels that provide a poorly-illuminated shaving mirror.

A prominent manufacturer has come up with a poultry feeder that vibrates feed from hopper to trough and delivers up to 500 pounds an hour, all with

the help of an electric motor. A float in trough regulates feed door in hopper and a shuffling motion moves feed in each main trough at about 10 to 12 feet per minute.

Now there is a thermostat-timer that automatically cools the house at night and warms it in the morning. An electric clock principle enables you to determine the time you wish the warming or cooling to take place. At night, when you are ready to retire, a tiny electric heater in the mechanism raises the thermostat temperature so the house heating plant does not operate as often. In the morning, the heater does not operate, permitting normal room temperatures to operate the thermostat. The maker claims it will save fuel money.

The California Public Utilities Commission reviewed the matter of taxes on electric power supply recently in granting an increase in rate to Pacific Gas and Electric Company. "Under the authorized rates," it said, "there is hidden in the average customer's electric bill an amount for taxes exceeding one fourth of the total bill."

We've mentioned this before but winter rolls around regularly and this might save someone a lot of grief. It's an electrical device that pre-warms engines for quicker winter starting. Essentially, it is a heater, 3 inches long, that is inserted in a hole cut in the lower radiator hose. An hour or so of operation prior to starting the engine will save wear and battery.

A reminder concerns heating cable. This flexible device can be used to keep pipes warm, eaves and gutters free, walks clean, or to heat soil.

The problem of a hot lunch has one solution in a lunch box that has an electric heating unit. A short time before the meal is to be served, just plug it in. Or in the case of church or farm organization suppers, one of these electric roaster ovens full of pre-cooked food will serve a piping hot meal when plugged in for a few minutes.

Just by way of comparison, someone has worked out the fact that even while resting, your body produces about 100 calories of heat per hour. The equivalent in electrical energy is sufficient to keep a 100-watt light bulb burning.

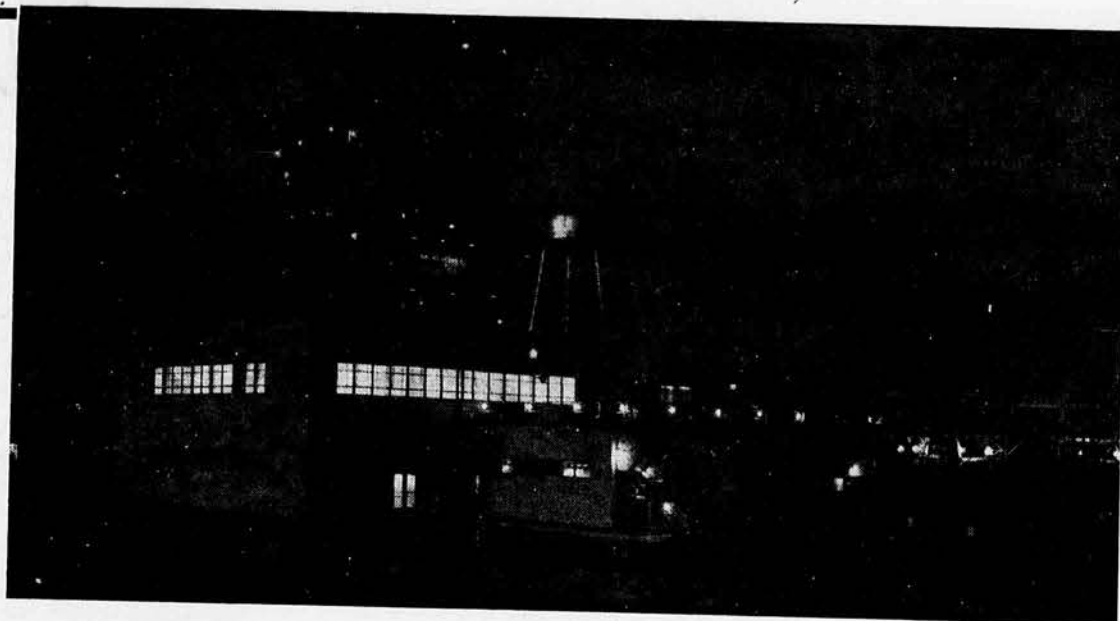
BROTHER TO THE RESCUE



LITTLE SISTERS are always getting into trouble! That's what happened when Carole Ann climbed up on load of hay and was afraid to come down. Using his head, brother James came to the rescue with the hi-loader. A word of caution to any "copy cats," tho. In an emergency it might be all right, but when it's just for fun, playing around such equipment can be very hazardous. Children are members of the Leonard Stephenson family, Republic county.

MORE AND MORE POWER

For Modern Electric Living



YOUR ELECTRIC COMPANIES CONTINUE TO BUILD FOR THE FUTURE

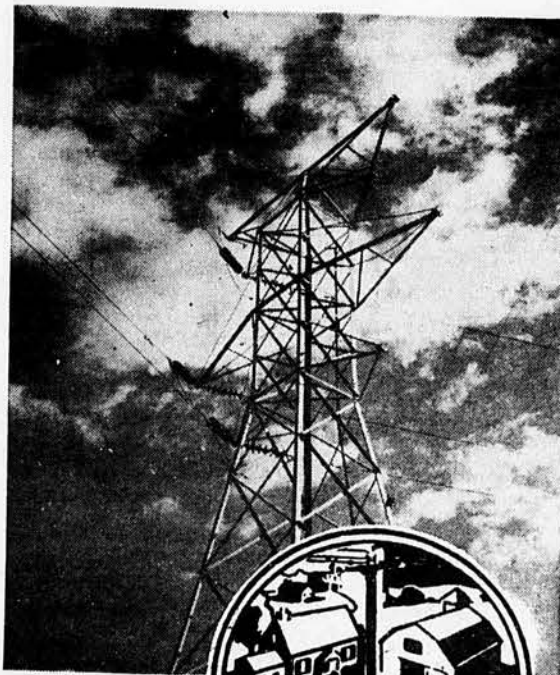
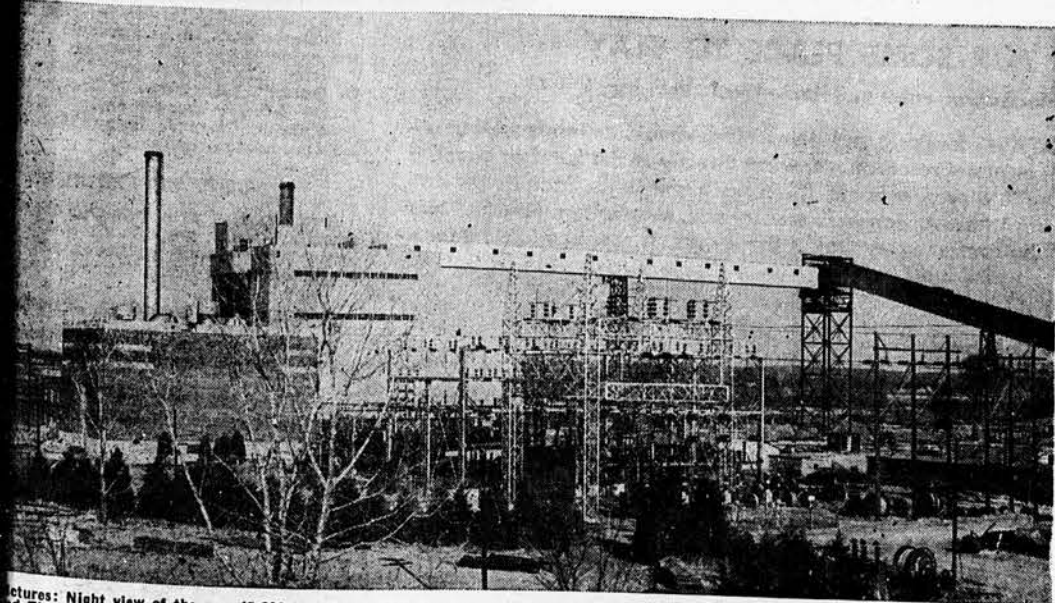
To match the steady growth of rural electrification in Kansas as well as the increased urban and industrial demands for power in the state, the electric light and power companies in Kansas continue to expend millions in increased generating capacity, either in new plants or enlargement of older ones.

During the year 1952 an expansion program that began in 1945 was continued unabatedly. By the end of 1954 it is conservatively estimated that \$380,000,000 will have been spent on the program for "More Power for Modern Electric Living" in Kansas.

Here are the startling figures for comparative purposes:

Year	Generating Capacity
December, 1945	343,353 kw
December, 1951	539,220 kw
December, 1954	820,220 kw (Estimated)

Your electric companies, together with the Rural Electric Cooperatives in Kansas, are proud to be playing such important parts in bringing the benefits of better living to the approximately 110,000 farm families who now enjoy high line service. And we are proud to assure every farm family that our new power facilities will take care of every electric want into the foreseeable future.



(Picture above) New 30,000 kw enlargement of Lawrence plant of Kansas Power & Light Company. (Lower right) Steel transmission tower against a background of clouds, a towering symbol of the part electricity plays in the life of the state. Hundreds of steel towers mark the course of high transmission lines that crisscross Kansas.

(Picture above) Night view of the new 45,000 kw Murray Hill Kansas Power and Light plant at Wichita. (Upper left) Hawthorn station of Kansas City Power & Light Company with 66,000 kw enlargement completed during 1952 with work continuing. Artist's view of West- light's new 15,000 kw plant at Great Bend now under construc-

ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

Kansas Power Company

Western Light & Telephone Company

The Kansas Power and Light Company

Kansas Gas and Electric Company

Kansas City Power & Light Company



Farm and Home Week Invites You to Kansas State College

Special programs arranged on homemaking, dairying, farm engineering, irrigation, poultry raising, beekeeping, hybrid corn, agricultural economics, rural art, livestock and crops

AN EVENT almost as old as Kansas State College, Farm and Home Week, will be held February 2 to 6 on Kansas State campus, in Manhattan. It will be the 85th annual Farm and Home Week program.

Since 1868, when the first Farmers' Institute was held at the college, this annual event, President James A. McCain points out, has developed into an "exceedingly valuable institution" for the rural citizens of 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," the K-State president said.

This year's program will include:

HOME ECONOMICS PROGRAM

Feb. 2, 3, 4, and 5

Monday, Feb. 2

2:00—Executive Committee Meeting, Kansas Home Demonstration Council, Room 215, Extension Building.

6:00—Sears Foundation Dinner—Recognition for Rural Leadership, Thompson Hall (Cafeteria).

7:30—Get Acquainted Party—Main Floor, Nichols Gymnasium.

Tuesday, Feb. 3

(These programs repeated Wednesday and Thursday, same hour.)

8:30—The Heart of the Home—Dr. Florence McKinney, Tessie Agan, Geraldine M. Gage, KSC—Room 101, Calvin Hall.

8:30—Give Your Home a New Look, Mrs. Opal B. Hill, Maria Morris, KSC, Room 212-213 Anderson Hall.

8:30—Ornamental Plants—Their General Culture, Ray A. Keen, KSC, Room 108, Dickens Hall.

8:30—Quick Tricks for Dinner, Gwendolyn Tinklin and Nina Browning, KSC, Room 117, Calvin Hall.

10:10—What Are You Doing About Your Kitchen?—Dr. Florence McKinney, Tessie Agan and Geraldine M. Gage, Room 101, Calvin Hall.

10:10—Worthy of Your Leisure Time, Alice L. Geiger, Mrs. Frances A. Cleary, KSC, 220-207 Anderson.

10:10—House Plants, W. W. Willis, KSC, Room 108, Dickens Hall.

10:10—Freezer Meals, Dr. Gladys E. Vail and Dr. Dorothy Harrison, KSC, Room 117, Calvin Hall.

10:10—The Family Influences Community Thinking, Dr. Gladys Bellinger, KSC, Room 212, Calvin Hall.

8:30 and 10:10 Tuesday, Feb. 3—Effect of New Detergents on Fabrics; New Fabrics on Today's Market, Staff, Department of Clothing and Textiles, KSC, Room 208, Calvin Hall.

8:45, Tuesday, Feb. 3—Let's Learn Squares and How to Lead Recreation, Katherine Geyer, Shirley Bessey, Room 105, Nichols Gymnasium.

8:30 and 10:10, Wednesday, Feb. 4—Wardrobe Planning, Staff, Department of Clothing and Textiles, KSC, Room 101, Calvin Hall.

8:30 and 10:10 Thursday, Feb. 5—Time Savers in Construction, Staff, Department of Clothing and Textiles, KSC, Room 101, Calvin Hall.

Afternoon Session, Tuesday, Feb. 3

Auditorium

1:00—Choosing New Fabrics and Flattering Styles, Mrs. Jane Scott, Simplicity Pattern Company.

2:30—Kansas Home Demonstration Council: Panel—We Hear From Our Delegates to National Home Demonstration Council Meeting and the Country Women's Council.

Evening Session, Tuesday, Feb. 3

Florence McKinney, Kansas Farmer, Topeka, Presiding

6:30—Master Farm Homemakers Dinner (for members only) Honoring Master Farm Homemakers, Class of 1952, Wareham Hotel.

Afternoon Session, Wednesday, Feb. 4

Auditorium

1:00—General Assembly: Address—Dr. James A. McCain, President, KSC.

2:15—Ella Meyer, KSC, presiding: Books for Enrichment of Life—Symposium.

3:30—And So We Came to Kansas State College, panel organized by Home Economics Extension Club, Doris Milliken, chairman.

Evening Session, Wednesday, Feb. 4

7:30—Home Talent Night, College Auditorium.

Afternoon Session, Thursday, Feb. 5

Auditorium

1:00—The Woman Potential in Terms of National Defense, Dr. Blanche H. Dow, president, Cottey College, Nevada, Mo.

2:00—Women's Place in Civil Defense, Mrs. Frank Hauke, chairman, Women's State Advisory Committee for Civil Defense.

2:30—Don't Waste Your Precious Time and Motion, Mary L. Smull, Mrs. Ethel Self, KSC.

DAIRY PROGRAM

Feb. 2, 3, and 4

Monday, Feb. 2

Room 105, West Waters Hall

10:00—Annual Meeting of Kansas Inter-Breed Dairy Cattle Council.

Tuesday, Feb. 3

9:30—Meetings of State Breed Associations, West Waters Hall.

6:00—Dairymen's Dinner, Thompson Hall (Cafeteria).

Wednesday, Feb. 4

Room 212, West Waters Hall

9:00—Discussion of Genetic Studies, Dr. Franklin E. Eldridge, KSC.

9:15—Effect of Drouth on the Nutrition of Dairy Cattle, Dr. C. F. Huffman, Michigan State College, East Lansing.

9:45—Experimental Results in Dairy Cattle Housing, Dr. Edwin E. Heizer, University of Wisconsin, Madison.

10:15—Question Round-up, Department of Dairy Husbandry Staff.

12:00—Luncheon, served by student members of the Dairy Club, Room 109, West Waters Hall.

1:00—General Assembly in Auditorium, Address—Dr. James A. McCain, president, KSC.

2:00—Room 212, West Waters Hall—Twilight or Dawn, Robert H. Rumler, Holstein-Friesian Association of America, Brattleboro, Vermont.

2:45—Roughages in Dairy Cattle Nutrition, Dr. C. F. Huffman.

3:30—Dairy Cattle Breeding, Dr. Edwin E. Heizer.

4:15—Inspection Tours.

AGRICULTURAL ENGINEERING PROGRAM

Feb. 2, 3

Farm Home Improvement

Monday, Feb. 2

Engineering Lecture Hall

1:30—The Home in Relation to the Farmstead, Leo T. Wendling, KSC.

1:50—Planning Principles for New and Remodeled Homes, Ray Everson, KSC.

2:10—Water Supply for Farmstead, R. I. Lipper, KSC.

2:50—Water Softening and Heating—H. E. Stover, KSC.

3:10—Sewage Disposal, Ivan Shull, Kansas State Board of Health, Lawrence.

3:30—New Methods of Heating the Farm Home, G. H. Larson, KSC.

Tuesday, Feb. 3

Irrigation in Kansas
Engineering Lecture Hall

9:00—Need for Irrigation in Kansas, F. C. Fenton, KSC.

9:15—Water Requirements of Crops, Carl Carlson, Walter R. Meyer, Branch Experiment Station, Garden City.

10:00—Results on Irrigation Development Farms, Billy B. Bryan, KSC.

10:30—Water Available for Irrigation in Kansas, W. E. Steps, Kansas State Board of Agriculture, Topeka.

10:50—Irrigation Well Construction and Development, Walter E. Selby, KSC.

1:00—Irrigation Film.

1:30—Irrigation Pumping Plants, R. E. Hanson, KSC.

1:50—Drainage in Relation to Irrigation, Walter R. Meyer.

2:30—Methods of Applying Irrigation Water Sprinkler Distribution, Russell L. Herpich, KSC, Surface Distribution, J. W. Funk, Comparison of Methods, R. E. Hanson, Walter E. Selby.

POULTRY PROGRAM

Tuesday, Feb. 3

Room 212, West Waters Hall

9:30—Reproducing the Laying Flock, M. A. Seaton, KSC.

10:00—Make Poultry an Important Enterprise on the Farm, Tom B. Avery, KSC.

10:45—Housing the Commercial Flock, illustrated, L. F. Payne, KSC.

11:20—What Breeds and Crosses Give Best Egg Production, Dr. Clyde D. Mueller, KSC.

1:30—Feeding the Layers, Dr. Paul Sanford, KSC.

2:15—The Complexity of Poultry Marketing, Marvin Vines, Extension Marketing Service, Kansas City.

3:00—Principles Involved in Maximizing Poultry Returns, Alan S. Goldman, KSC.

BEEKEEPERS' PROGRAM

Tuesday, Feb. 3

Room 102, Fairchild Hall

9:00—Report of Kansas Apiary Inspection, July 1, 1951-June 30, 1952, R. L. Parker, KSC.

9:15—Nosema Disease Losses in Overwintered Colonies and Package Bees, W. W. Franklin, Kansas Agricultural Experiment Station, Hays.

9:45—Social Security Law and Agricultural Labor, R. L. Parker.

10:30—European Foulbrood, Joseph O. Moffett, Colorado A & M College, Fort Collins.



JAMES A. MCCAIN, President
Kansas State College

11:15—Kansas State Beekeepers' Association Objectives, M. C. Mitchell, president, Kansas State Beekeepers' Association, Topeka.

1:30—Strains of Honey Bees, V. H. A.

2:00—Alfalfa Seed Production—Presentation of Threshed Seed, W. W. Franklin.

2:30—Some Labor-Saving Ideas, Joseph Moffett.

3:00—Round-Table Discussion of Honey Price Support Programs, J. O. Moffett, M. C. Mitchell, V. H. Adey, and J. Parker, leaders.

THE KANSAS HYBRIDS ASSOCIATION

Wednesday, Feb. 4

10:00—Open House—Kansas Hybrid Association Seed House.

12:00—Luncheon, Thompson Hall (Cafeteria).

1:00—General Assembly in Auditorium, Address—James A. McCain, president.

2:00—Room 101, Willard Hall—Results of 1952 Corn Yield Tests, A. L. Clapp, KSC.

2:20—Fertilizer and Hybrid Seed, Dr. Floyd Smith, KSC.

2:50—Possibilities and Limitations of Hybrid Seed Fields, Billy B. Bryan, KSC.

3:20—My Experiences in Handling KSC Grown Seed Corn, A. H. Stephenson, KSC.

3:50—Kansas Hybrids Association Association Meeting.

AGRICULTURAL ECONOMICS PROGRAM

Wednesday, Feb. 4

1:00—General Assembly in Auditorium, Address—Dr. James A. McCain, president, KSC.

2:00—Annual Meeting of Directors of Kansas Farm Management Associations, Room 312, West Waters Hall.

6:00—Annual Farm Management Banquet in College Cafeteria, Recognition of Farm Management Association Leaders, L. C. Williams, KSC, Adapting Cattle Program, Grassland Farming, D. Howard Doane, Doane Agricultural Service, St. Louis.

Thursday, Feb. 5

Room 312, West Waters Hall

9:00—Introductory Remarks—George Montgomery, KSC, Government, Business and Agriculture (More or Less Government Controls Ahead?), James O. Bray, KSC.

9:50—Lessons to Be Learned From Irish Agriculture, O. J. Scoville, KSC.

10:45—You and Property Taxes, W. G. Murray, Iowa State College, Ames.

1:30—Forum—Our Property Tax Problem in Kansas, Clarence Rupp, Kansas Bureau, moderator.

RURAL ART PROGRAM

Exhibition of paintings and drawings by rural artists all week in the gallery, Department of Architecture and Allied Engineering Building, Second Floor.

CROP IMPROVEMENT PROGRAM

Kansas Crop Improvement Association Golden Anniversary Meeting

Thursday, Feb. 5

Engineering Lecture Hall

9:00—Registration.

10:00—Seed Certification in 1952, Compton, Kansas Crop Improvement Association, Insect Problems in Seed and Storage, Donald A. Wilbur, KSC, New Varieties, R. V. Olson, KSC, New Developments in Alfalfa Seed Production, Grandfield, USDA, Manhattan.

1:00—Cleaning Seed for Certification (demonstration), Charles Hamon, V. Falls, Why I Sell Certified Seed, A. H. Stephenson, manager, Wichita Co-operative Association, New Zealand's Grass, Klingerson, KSC, The Wheat Growers' Problem, What I Learned in Washington, Clutter, chairman, Research Division, National Association of Wheat Growers.

4:00—A Tour of the Kansas State College Flour Mill, John Shellenberger, KSC.

6:00—Crop Improvement Banquet, Thompson Hall (Cafeteria). Toastmaster—

(Continued on Page 19)

FOR SOME PLACE TO STAY

(In Manhattan, Farm and Home Week, February 2 to 6)

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 1953 Farm and Home Week.

Check nights room is wanted:

Sunday, Feb. 1, Monday, Feb. 2, Tuesday, Feb. 3

Wednesday, Feb. 4, Thursday, Feb. 5, Friday, Feb. 6

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

NOW ON DISPLAY!

*So startlingly new!
So wonderfully different!*



THE STRIKING NEW 1953
"TWO-TEN" 4-DOOR SEDAN

CHEVROLET FOR '53

*Entirely NEW
ough and through!*



**RE PEOPLE BUY CHEVROLETS
THAN ANY OTHER CAR!**

Entirely New Styling

Chevrolet's lower in height, with long, flowing, smoothly rounded lines to give you the newest look in cars! Beautiful new interiors are richer, roomier—color-matched to the exterior finish.

Entirely New Power

New 115-h.p. high-compression "Blue-Flame" valve-in-head engine with Powerglide* models. Advanced 108-h.p. high-compression valve-in-head "Thrifty-King" engine with gearshift models.

Entirely New Powerglide*

New automatic starting and passing range gives you flashing getaway from

a standing start, greater passing ability in city driving. Gasoline consumption is substantially reduced!

Entirely New Economy

You go much farther on every gallon of gasoline! You save with greater over-all economy of operation and upkeep! And, again in 1953, Chevrolet is the lowest-priced line in the low-price field.

Entirely New Safety

Greater ease and safety of control. Greater visibility with a new, one-piece curved windshield. Finer, smoother brakes. It's the safest Chevrolet you ever drove!

Entirely New Durability

Beneath the brilliant new beauty is heavier, stronger, more rigid construction. This means even longer life for a car always famous for durability and dependability!

Entirely New Power Steering

You park and steer with finger-tip ease, yet you retain the familiar feel of the road. Optional at extra cost, it's exclusive to Chevrolet in its field.

*Combination of Powerglide automatic transmission and 115-h.p. "Blue-Flame" engine optional on "Two-Ten" and Bel Air models at extra cost. (Continuation of standard equipment and trim illustrated is dependent on availability of material.) Chevrolet Division of General Motors, Detroit 2, Michigan.

STOP RUST!

Permanent
non-poisonous
coating...
may be applied
directly over
sound rusted
surfaces

with
RUST-OLEUM



Available in many colors.

QUICK... EASY TO USE
Just remove rust scale and loose particles with sharp scraper and wire brush... then apply RUST-OLEUM by brush or spray. It's that easy.

NOT AN OIL... NOT A GREASE
RUST-OLEUM is a permanent non-poisonous coating (contains no lead) safe to use around livestock. It's ready-mixed, self-leveling and leaves no brush marks.

AVAILABLE IN MANY COLORS
RUST-OLEUM is available in most colors, including aluminum and white. Also in

colors to match those of leading equipment manufacturers.

DRIES IN 4 TO 12 HOURS
Depending on temperature and humidity, RUST-OLEUM will dry in 4 to 12 hours to a tough elastic coating. It's the dependable rust preventive coating for your machinery, implements, metal roofs, building, gutters, fences stanchions, etc.

FREE: Send name and address for RUST-OLEUM color chart and complete information.

Ask your farm implement dealer for Rust-Oleum!

He can get it for you from any of the following distributors.

L. J. MESSER CO.
320 East Avenue
Holdrege, Nebraska

L. J. MESSER CO.
1206—18th Street
Belleville, Kansas

L. J. MESSER CO.
110 West Third Street
McCook, Nebraska

L. J. MESSER CO.
102 South Second Street
Norton, Kansas

L. J. MESSER CO.
110 North Seventh St.
Beatrice, Nebraska

INDUSTRIAL STEEL & SUPPLY DIV.
622 East Third Street
Wichita, Kansas

THE FAETH CO.
1608 McGee Street
Kansas City, Missouri

RUST-OLEUM CORPORATION 2701 Oakton Street
Evanston, Illinois



COMING, NEXT ISSUE . . .

Did you lose money on your deferred-feeding project in 1952? Whether or not you did you will be interested in a story coming in the next **Kansas Farmer** giving a detailed analysis of what happened to one project that looked like a sure money-maker when it started, but ended up in the red. We are sure you will profit by reading this personal on-the-farm experience in the February 7, 1953, issue of **Kansas Farmer**.

No. 4 in series of articles
on how to grow house plants

Three More Bloomers You Will Enjoy

By FRANK PAYNE

SEVERAL of our AMARYLLIS bulbs were just about ready to burst into bloom last January 4. The flower stalk comes up as a rule before the leaves do. That was the earliest we ever had them come into bloom. Usually it is about March before we expect any bloom.

Now when ours burst into bloom I always feel like declaring a holiday. They surely steal the show. You don't have to be told when they are in bloom, they just stand up there as proud as a king in all their regal beauty. Most of ours are dark red, but you can get them in all colors and shades. They are grown and produced in Florida about the same as we grow gladiolus up here in the central west states.

Don't Hurry Them

Lots of folks say their Amaryllis do not bloom. It may be because they try to hurry them along. The bulbs require 3 months rest from October when they should be kept in a pot in a frostproof place but not watered. Bring into the light in January and the flower buds soon appear. The real secret is to have them make heavy growth AFTER thru blooming, during spring and summer months. Then is when bulbs store up strength to make buds for next year's flowers. If they are not made then, well, that is why so many folks claim they cannot get them to bloom.

Liquid manure or a complete fertilizer worked into the soil is all the plant food needed. Do not get it on foliage or bulbs. Put it in the soil so it does not touch the bulb.

The bulb must always be planted so at least two thirds of it shows ABOVE the soil. When thru blooming, be sure to cut the flower stem off to keep it from going to seed.

New bulbs quite often gather around the old mother bulb and that is where you get the increase. The old mother bulb will last many years, 25 to 50 years, so when you consider the cost at 50 cents to \$1 a bulb I think you get your money's worth if you take good care of them.

This information about AFRICAN VIOLETS is written with the aid of my wife. One could write a book about African Violets and still it wouldn't be enough, because they are so popular and violet fans number into millions today. A few years ago many folks never heard of such flowers. The correct name, or Latin name, is SAINT-PAULIA INOANTHA and they were found growing wild in Africa.

My wife grows them from the leaves. It takes about 8 to 10 months to bring the little baby plants into bloom. Watering them properly is a big item, in fact the biggest. Watering must be done from bottom of the pot. Let it soak into the ball of earth. When watered

from the top, be very careful not to water spill on the foliage or it cause brown spots.

African Violets must always be grown in a north or east window, not in direct strong sunlight. Room temperature should never get below 65° at night because, remember, they came from the tropics. When watering water must always be lukewarm.

For fertilizer Mrs. Payne uses Ponex according to the printed directions. You can get that white powder fertilizer at your seed store, dime drugstore. It is high-powered and must be mixed and applied when watered.

This flower requires a lot of personal attention if you want to get best results and a lot of blooms. If you have failures, just consult someone who is growing them successfully in your neighborhood.

Fight Farm Fires

Calcium Chloride Institute, Washington, D. C., has an article on "Fighting Farm Fires" which tells how to check your farm to protect it from fire damage. Also tells how to better control fire. For a free copy, address Farm and Home Service, **Kansas Farmer**, Topeka, Kan.

If I were limited to only one flower to grow in my home, BEGONIA would be my choice. We get more enjoyment from our begonias than all other plants put together, because they are so generous with their blooms, all year long, too.

Begonias are not a bit lazy or slow with their blooms if given the right careful watering and a sunny window. They can stand a cool place, too. They do not require any petting or special care, just a resting period in summer outdoors in a shady spot.

Come in Several Types

Begonias come in several types, some for blooms and others with beautiful foliage as if the leaves were painted by an artist. Some blooming thru bloom all winter, but rest in summer. I recommend that type. Its the kind that grow. Christmas Begonias you grow from your florist bloom about a month or so, then are thru and you have to start new ones. They are propagated by leaves like an African Violet. Take almost a year to get these in bloom, better let the greenhouse man take care of the growing and you stick to the old-fashioned kinds. They are easier and quicker to grow as they start blooming when real small.

The foliage kinds are called Rex Painted Leaf Begonia due to their beautiful foliage. Rex requires more care and not too dry an atmosphere. It is not so easy to grow and will stand neglect like the old-fashioned flowering begonias. The Angel Begonia (Latin name is Begonia Coccinea) often sold under the name of Begonia Rubra, has tall cane-like stems, leaves in pairs and red, pink or white cluster of flowers that hang down in bunches of grapes. Plants must be a reasonable size before they start to bloom. Their culture is fairly easy, grown with plenty of sunshine.

Truth About a Lye

That's the title of a little booklet printed by the Pennsylvania Salt Mfg. Co., Philadelphia, available to you free. The 52-page booklet gives you dozens of hints on uses of lye in the home and around the farm. For your copy, write Farm and Home Service, **Kansas Farmer**, Topeka, Kan.

GOOCH'S BEST FEEDS"



START COLLECTING YOUR GOOCH "POUND NOTES"

locked in GOOCH'S BEST Laying Feeds and Hog Feeds

THEY'RE WORTH REAL MONEY

IN HELPING YOU START YOUR CHICKS THIS SPRING!

See how you get them! Each bag of GOOCH'S BEST Laying Feed, and Pig & Feed you buy between now and March 31, 1953, will contain a GOOCH Pound Note, good for 1 lb. of GOOCH'S BEST Chick Starter.

Keep these notes until you're ready to start your chicks in the Spring. Then take the notes you've collected to your GOOCH dealer. For each Pound Note you've saved, he will give you one pound GOOCH'S BEST Chick Starter. You get him absolutely nothing for this "Feeder-proved" starting feed!

THINK OF THE SAVINGS! Right now, you can figure approximately how many Pound Notes you'll have by Spring. Simply take the number of hogs or chickens you have on the farm—estimate how many bags of feed they will need during the next few months. Then, since each bag of feed you buy now means a pound of chick starter later, add up the savings!

For many feeders, this can mean enough GOOCH'S BEST Chick Starter to feed a good share of their chicks to 4 weeks —AT NO FEED COST.

YOU PROFIT TWO WAYS! Besides saving a substantial part of your starting feed costs next spring, you can be sure of extra

profits from increased egg and pork production during the winter months. Feeders by the thousands have proved this! GOOCH'S BEST Feeds are nutritionally sound—fortified with all the latest-known ingredients to help you raise stronger, healthier, better producing poultry and hogs.

START COLLECTING YOUR POUND NOTES NOW! GOOCH your pocketbook—"fatten it up!" The sooner you start saving GOOCH Pound Notes, the more starting feed you'll get for your chicks this Spring. Make your next bag of feed GOOCH'S BEST—and start now to earn while you feed.

BANK YOUR POUND NOTES in this FREE GOOCH "CHICKY BANK"

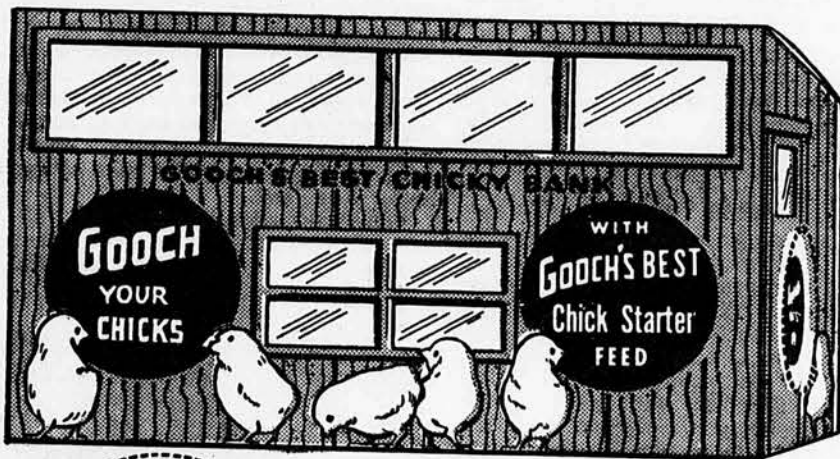
When you buy your next bag of GOOCH'S BEST Feed, ask your GOOCH dealer for a free Chicky Bank. These colorful, appealing banks are specially made to hold your GOOCH Pound Notes and they give you a handy, safe place to keep all the GOOCH Pound Notes you collect. Then, when you're ready to start your chicks this Spring, simply take your bank with the notes to your GOOCH'S BEST dealer and he will give you 1 lb. of GOOCH'S BEST Chick Starter for each Pound Note you've saved!

BOYS AND GIRLS—Get a Chicky Bank of your own . . . use it for your regular savings. Ask your GOOCH'S BEST Dealer for it now!

GOOCH FEED MILL COMPANY

COLN, NEBRASKA
INA, KANSAS

COUNCIL BLUFFS, IOWA
DALHART, TEXAS



GOOCH RED CIRCLES Are Valuable!

Collect and trade them for valuable merchandise! Ask your GOOCH dealer for the new, free catalog that shows all the Gooch Red Circle items . . . tells you how to get them!

No. 4 in series of letters to you from

Kling L. Anderson, writing from New Zealand

Visits Geysers and Volcanoes, Sees Beautiful Lakes, Life of the Maoris

By KLING L. ANDERSON

Editor's Note—Kling L. Anderson, professor of pasture improvement at Kansas State College, has been in New Zealand studying pasture work. Before he started, Kansas Farmer arranged with him for a series of letters telling of his experiences and findings. First one appeared June 7, 1952, issue. Next one appeared July 5, 1952, issue. Third one appeared Nov. 1, 1952, issue.—R. H. G.



Kling Anderson

DEAR RAY: We're traveling again, this time in North Island. First leg of our journey took us to New Plymouth, near Mt. Egmont on western tip of North Island. This part of New Zealand, known as the Taranaki region, is perhaps the leading dairy section of the dominion, altho areas around Auckland, Hamilton, and Wellington also are important dairy centers.

Taranaki, favored by high rainfall and by New Zealand's typically mild climate, is a rich grass-growing region. Only a month past midwinter, pastures are showing the dark, shiny green of new grass growth. Livestock population is high, both cattle and sheep often grazing in the same paddocks. In New Zealand every field, large or small, whether pasture or in cultivated crop, is called a paddock.

It is truly amazing to see how many animals a paddock can carry. The best land with proper fertilization and grazing management will carry a dairy cow to the acre on a year-around basis, and no grain will be fed. A little hay or silage may be used as a winter supplement, but it probably came from that same acre during spring.

Cows Do Well on Grass

The newspapers recently reported that 50,000 cows tested in the Taranaki Herd Improvement Association averaged better than 300 pounds of fat last year for the fourth consecutive year, and on grass alone. Plans are being made for me to spend some time there and in other important grazing areas with instructors in agriculture (New Zealand's equivalent of our county agents).

Outstanding feature of the Taranaki region is beautiful Mt. Egmont rising 8,260 feet above sea level without any mountains or high country around it. It dominates the landscape—a single, snow-covered peak that is the cone of an extinct volcano. Only trouble with Mt. Egmont is you so seldom see it because of the great number of cloudy and rainy days.

From the rich dairy region of Taranaki we traveled along the western coast up to TeKuiti and Waitomo caves. Headed by the famous glowworm cave, they have been major tourist attractions for years. They all have vaulted

corridors and tunnels and great cathedral-like rooms, but one has in addition the glowworms. At its lowest level it has an underground river flowing thru a sort of tunnel, dimly lit by phosphorescent glow of millions of larvae of a fly that breeds in darkness of the cave. These tiny "worms" spin delicate, cobwebby hammocks which they suspend from ceilings and walls of the cave. Hanging from the hammocks are dozens of delicate webs; on each is a row of small, sticky droplets of saliva, like beads on a string. The tail of each "worm" glows like that of our fireflies only its glow is constant instead of in flashes.

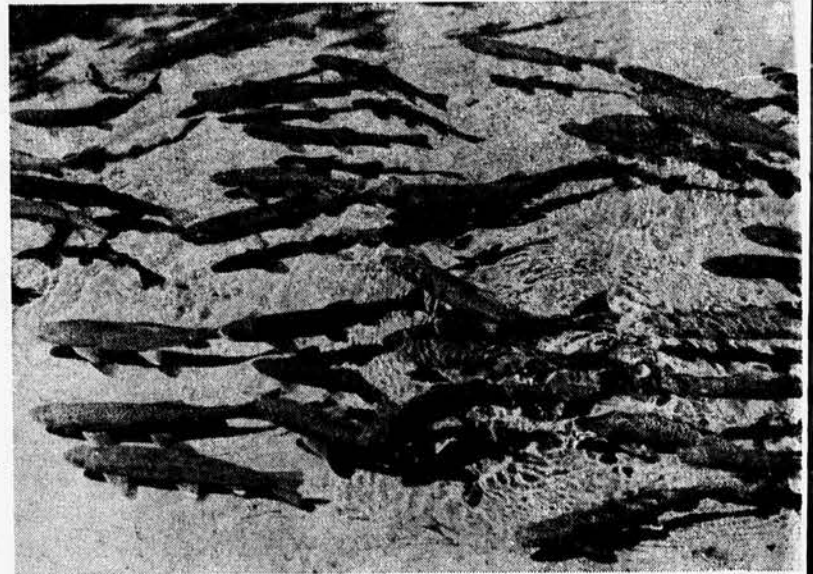
Our next stop was at Rotorua, center of the thermal region of New Zealand. Here we saw live steam emerging from holes and cracks in the ground right in the city. A couple of years ago a steam vent blew out in the middle of the paved highway right at the edge of town and had to be diverted to the side of the road where we saw the steam rising as we drove by. Some of the hazards on the Rotorua golf course are blowholes constantly giving off clouds of steam. The whole area is dotted with geysers, boiling mud pools, and hot lakes. The smell of sulfur is everywhere in this thermal region which extends from Lake Taupo northeastward to the coast and is seen again in an active crater on White Island some 50 miles offshore in the Bay of Plenty.

Visit Maori Settlement

Just south of the city of Rotorua is a Maori settlement built directly over an area of intense thermal activity. Clouds of steam rise from countless vents. Homes are heated by hot water from the many hot springs. The Maoris who live there cook their meals merely by setting pots of food over natural steam outlets and covering them with one or two burlap bags. For a couple of shillings a Maori guide took us thru the area, past geysers and boiling mud pots, and over trails that were hot underfoot and which were actually steaming in some places.

Another favorite spot for tourists is the Crystal Spring, a couple of miles on the other side of Rotorua. Five million gallons of clear, cold water, so pure that local people use it in car batteries, wells up each day in bottom of a pool some 8 or 10 feet deep and perhaps 50 feet in diameter. This water flows out into nearby Lake Rotorua and up the tiny stream come large numbers of rainbow trout introduced here many years ago from North America. Some trout will take pieces of meat or bread from one's fingers. It's quite a thrill to have a 5-pound rainbow trout eating out of your hand.

This is the region of the great volcanic eruption of June 10, 1886, when the whole top of nearby Mt. Tarawera



THESE RAINBOW TROUT in Crystal Spring near Rotorua ate out of our hands. It was a big thrill when they took bread from our fingers.

was blown off in an explosion that rocked the whole area and was loud enough to be heard in Christchurch hundreds of miles to the south. Mt. Tarawera was at that time really 3 peaks and they all erupted in a single wall of flaming gases that threw mud, boulders, and ash over many square miles.

See Several Craters

As we walked down to the lake thru the upper part of the valley that had been blown out, we passed several craters formed at time of eruption. First of these contained a cool lake of perhaps 8 or 10 acres in extent. The next one, only a few hundred yards away, was full of boiling water, largest boiling spring in world.

Nearby is site of what once was world's greatest geyser. In 1901 there suddenly began playing, a giant geyser that sometimes spouted more than 1,500 feet, projecting vast columns of black water, mud, and big boulders into the air from its 1½-acre crater. We were told it finally destroyed itself and the nearby tourist house in one tremendous outburst. The old crater is now a dry, gravelly flat, quite safe to walk upon.

A motor launch took us across Rotomahana, past steaming cliffs and many hot, stinking springs, past sites of the once-famous pink and white terraces.

We boarded another launch that took us to the site of the buried village. We had a good view of Mt. Tarawera and of the great rift that had appeared in it when its three volcanic peaks were blown off. No one knows when it again will burst out into violent eruption.

See Beautiful Lakes

On the way back to Rotorua we drove past 2 beautiful lakes—Rotokahi, as green as jade, and Blue lake, separated from the green one by a strip of land only a few feet wide.

Much of the area around Rotorua and Lake Taupo is owned by the Maoris and waters of lakes and streams are considered theirs. Some years ago a Maori was arrested for fishing trout

out of season. He protested that Maori have perpetual fishing rights, but a judge ruled the trout were "introduced fish, therefore not included under native fishing privileges, and he promptly fined the Maori. However, the Maori brought legal action against the government for using their waters for foreign fish. They won the suit and the tribes collect handsome annual revenues as "rent" for use of their streams by the white man for his introduced trout.

It is only about 50 miles from Rotorua to Wairakei and Lake Taupo where we visited another center of intense geothermal activity—Geyser Valley. Here in the space of a half mile, passed geysers, boiling mud pots, and cold springs, and steam vents of all sizes and shapes.

Describes Thrilling Spectacle

Most thrilling spectacle of all was over the hills a mile away. Here we were taken to a gigantic steam vent the Karapiti blowhole from which dry steam escapes with a deafening roar and hovers over the mountain a cloud. Temperature of the steam the vent is 365° F. and its pressure 100 pounds per square inch. Hole at surface is nearly 2 feet in diameter. A famous American geologist is said to have estimated its source to be at least 10 miles below ground. The guide called it "New Zealand's safety valve."

Major enterprise of the whole region from here to Rotorua is the lumber industry based on stands of pines planted over the last 30 years. More than half million acres have been established in this region, comprising largest man-made forest in the world. There are now in operation several large lumber mills, and a gigantic mill is being planned to make full use of the rapid-growing pines brought here from California.

We stayed overnight at Taupo, 5 miles away on Lake Taupo, largest lake in New Zealand. It is some 100 miles long and nearly as wide—is one of the famous trout-fishing spots of the country. On the far shore were New Zealand's famous mountains—Ruapehu, Ngaurahoe, and Tongariro—all volcanic peaks. Mt. Tongariro actually giving off smoke when we saw it and had been rather more active some weeks earlier.

Ash Showers Are Valuable

Lake Taupo is an extinct volcano. Repeated ash showers from various periods of eruptions are part of the material of the pumice soils that surround it for many miles in every direction. Scientists, basing their estimates on radio-active carbon-charred logs of the various layers of pumice, have calculated its last eruption was perhaps 2,300 years ago.

My visits to pasture areas in New Zealand will take me to many beautiful places before I leave and drop a line from time to time to tell about them.

—Kling Anderson



HERE IS FAMOUS Mt. Ngaurahoe volcano lying south of Lake Taupo in Tongariro National Park, and smoking when we saw it in August, 1952.

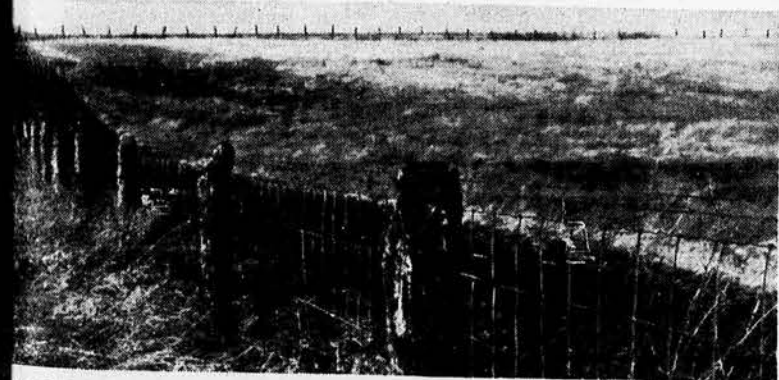
THE SHEFFIELD FENCE RIDER

PUBLISHED IN THE INTEREST OF GOOD FENCING

BUILDS FENCE OVER GULLIES ON DIRT FILLS



VE is shown part of catch-basin (left center). Mr. Houx stands on the ear a Sheffield Fence. BELOW: Roadway atop fill. Fence is stretched hill to hill. Note top strand of Sheffield barbed wire on each side posts: double protection against animal pressures.



VE YOUR FENCE FREEDOM TO MOVE



The "tension curve" of Sheffield Fence takes up expansion and contraction caused by temperature changes and impact of crowding livestock. Proper tension on the fence will stretch these curves to about $\frac{1}{2}$ normal size. Drive staples diagonally with the grain; not quite all the way in, to allow room for movement.

Do you have any "pet ideas" on stretching a fence? Send your "pet ideas" on fence building to the Sheffield FENCE RIDER. Best ideas will be published.

Flood control starts on the farm, in the opinion of James R. Houx of Centerview, Mo., who owns three farms totaling 790 acres in that area.

Mr. Houx has miles of cross fences. Where those fences had to cross deep gullies, he wasn't satisfied with a "water gap" type of fence construction. As the pictures show, a deep dirt fill was made for the fence line—with a wide roadway alongside the fence for getting equipment easily from field to field.



Beautiful home of Mr. and Mrs. Houx and children, Martha, Jimmie, Elizabeth. Interior features paneling, trim and floors of walnut from native logs saved by Mr. Houx.

The dirt for each fill was taken from *above* the fill, creating a catch basin for water control after each excessive rainfall. Old oil casing under each fill carries off the water drainage in orderly fashion . . . a controlled waterway. Pastures above these fills are contoured to retard the runoff, and retain more of the moisture for the soil.

Mr. Houx favors Sheffield Fence. He has been buying this Sheffield product for *twenty years*, and likes it.

"You'll find Sheffield Fence almost everywhere on the farm," he explains. "It's good fence, and I keep on buying it."

Get the SHEFFIELD Fence Rider FREE

The above article, condensed from the FENCE RIDER, is typical of interesting features for all the family in every issue. Ask your nearest Sheffield dealer to put your name on his mailing list—FREE.

SHEFFIELD FENCE PAYS OFF FAST!

Farmers report that Sheffield Fencing used in land use control has paid for itself in a single season. Hardly any investment you can make around your farm pays out as well.

Sheffield Fence gives you important "extras": extra quality special analysis steel, quality controlled from furnace to finished fence; extra wrap of stay wires at top and bottom; longer hinged joints

on line wires; coat of zinc tightly bonded to steel for longer life.

The extra steel in Sheffield Fence costs you no more. See your neighborhood Sheffield Fence dealer today. He'll take care of your requirements from the wide range of Sheffield sizes and types.

SHEFFIELD Bolts & Nuts

and Nut products in all standard types and sizes including Carriage, Machine, Stove, Stud and Lag; Cap, Set and Machine Nuts and Rivets.



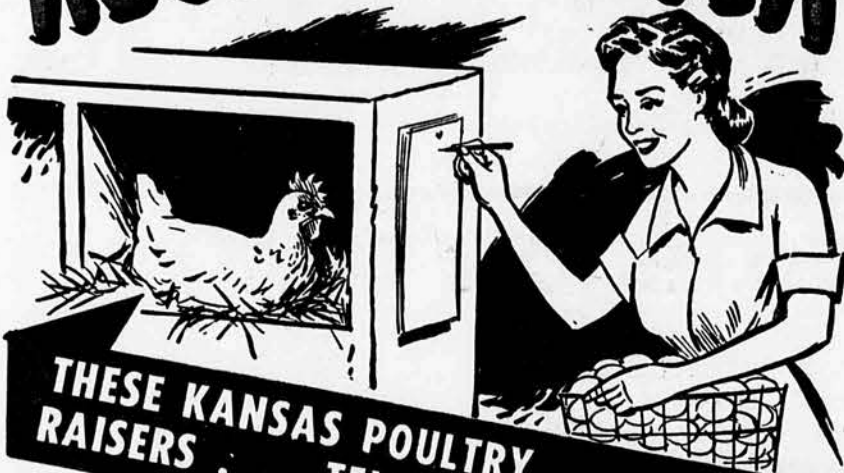
SHEFFIELD STEEL CORPORATION

HOUSTON KANSAS CITY
TULSA

SUBSIDIARY OF ARMCO STEEL CORPORATION



RECORD BUSTER



THESE KANSAS POULTRY
RAISERS . . . TELL YOU WHY . . .

THEY FEED

Shellabarger's
LAYING MASH



"We've been feeding Shellabarger poultry feeds for 6 years now and believe me Shellabarger sure helps me raise healthy, beautiful birds that lay lots of big eggs. We find that selling our eggs to a hatchery is more profitable."

Mrs. Albert Hrabik
Dorrance, Kansas



"I've been feeding Shellabarger for 6 years and believe me I like it! My big beautiful English Leghorns really shell out the eggs. I have always made money on my chickens even when others have found the going tough. I sincerely believe Shellabarger Poultry feeds have helped me plenty to make extra poultry profits!"

John Nowlin
Ogallah, Kansas

"I raise about 200 pullets every year and have been feeding Shellabarger Laying Mash for 8 years. Last year I got better than 80% production thru the laying season and I think that's plenty good!"

Kenneth Ruff
Ness City, Kansas



"I am a firm believer in good chicks, good care and management and good feed. That's why I use Shellabarger feeds. I start 'em on Shellabarger Chick Starter and push them right thru on Grower and Laying Mash."

"I've always made money on my hens feeding Shellabarger Laying Mash—my neighbors are beginning to switch to Shellabargers after watching my poultry operation."

Joel McNeas
Canton, Kansas

WE CHALLENGE YOU!

Feed your hens Shellabarger "Fortified" Laying Mash and see the difference in profits! Thousands of other successful poultry raisers know it is possible for hens to push egg production to new laying records with Shellabarger Laying Mash. We challenge you to feed your hens Shellabarger this year. Be a RECORD BUSTER! Ask your dealer for Shellabarger Laying Mash today!

KANSAS NO. 1
Laying Mash

Order From Your Nearby
Shellabarger DEALER



Ada Electric Hatchery, Ada
Farmers Elevator, Alexander
Mrs. Everett Allison, Miltonvale
Almena Feed Store, Almena
Barnard Grain Company, Barnard
Beeler Coop Exchange, Beeler
Bell Produce, Hoxie
C. D. Clark & Sons, Weskan
Daisy Produce, Palco
Dean Grain Company, Agra
Denmark Merc, Denmark
Edel Bros. Mill & Elevator, Hillsboro
Farmers Elevator, Bennington
Farmers Coop Merc, Blacksville
Farmers Elevator, Bloomington
Farmers Grain & Supply, Gray
Farmers Coop Grain & Supply, Canton
Farmers Elevator, Falun
Farmers Elevator, Gorham
Farmers Grain & Supply, Hanston
Farmers Produce, Bixen
Farmers Produce, Luray
Farmers Elevator, Marquette
Farmers Elevator, Plainville
Farmers Union Elevator, Stockton
Farmers Elevator, Wakefield
Osborne County Coop, Waldo

Farmers Elevator, Westfall
Golden Rule Hatchery, Minneapolis
Gronell Grain Company, Grinnell
Hake Grain Company, Tipton
Hannon Hatchery, Smith Center
Holmquist Elevator, Smolan
Hubbs Produce, Dorrance
Hurlbut Produce, Morland
Hegre Grocery Store, Penokee
Lewis Supply, Leola
Eleg Grain & Supply, Jetmore
Mayer General Store, Olinitz
Meyer Grocery, Carlton
Morgenslev Elevator, Utica
Morris County Grain Co., White City
Moses Produce, McCracken
McLaughlin Store, Brookville
Ochs Grain Company, Arnold
Ochs Grain Company, Hoxington
Nations Produce, Nations
Norris Grain Company, Galena
Norris Grain Company, Marietta
Norris Grain Company, Menlo
News Grain Company, Russell
Norris Grain Company, Woodston
Farmers Produce, Norton
Pyle Elevator, Beque
Pyle Elevator, Gunters
Pyle Elevator, Shilbids
Winona Feed & Grain, Winona

Ramona Coop Elevator, Ramona
Red Wing Elevator, Red Wing
Robinson Elevator, Buffalo Park
Rodney Milling Company, Crawford
Rodney Milling Company, Langley
Rodney Milling Company, Olinitz
Sanners Feed Store, Newton
Schumacher Elevator, Victoria
Chas. Seitz, Wakefield
Shaggs Grain Co., Brownell
Steban Produce, Wakefield
Swan's Produce, Ransom
Tercott Grain & Feed Co., Tercott
Tribune Grain Co., Horace
Wallace County Coop Equity Exchange, Sharon Springs
Webb Grain Company, Windom
Weide Bros. Produce, Lindsborg
Wesselowski Hatchery, Beloit
Winfield Feed Store, Ness City
Wilken Grain Co., Delphos
Wyatt Grain Co., Elletts
Wyatt Grain Co., Hill City
Wyatt Grain Co., Oakley
Jewell Elevator, Jewell
Shellabarger Feed Mills, Inc., Salina
Boulevard Grain Co., Sheridan Lake, Colo.
Harmark Grain Co., Cheyenne Wells, Colo.

Shellabarger FEED MILLS, INC.
SALINA, KANSAS

Thoughts TO LIVE BY

"Take a Look at Yourself"

READING A NOVEL can bring strange thoughts. It was a fascinating tale with convincing characters and an interesting setting. The whole thing was so plausible it made me wonder—would the story of my life be a best seller if a first-class novelist went to work on it? Just because one fails to find flavor in life does not mean it is tasteless. Very likely, the characters in the book I read found their experiences very commonplace, too.

The Smith family has a reunion. Someone takes some moving pictures. Months later, the clan reassembles and the pictures are shown. Everyone manifests great interest in the pictures in which he appears. The common conclusion is the reunion was a far better thing than they realized at the time. It is fun to take a look at oneself.

It also is enlightening to look at oneself. Drama has therapeutic possibilities. Let a shy person play an aggressive role or let a brat take the part of a saint—it may be only play acting, but character education is involved.

A clergyman was asked to conduct a forum on race relations in the Church. He opened the session with two original, unrehearsed plays. The first was set in the narthex of a church. An educated and cultured couple from a minority group came to a conventional, conservative church. The ushers met them at the door. What happened? What did the ushers say? What did the strangers say? The second play was set later in the day at a meeting of the official board. The experience of the morning was discussed and a policy for the future was developed. These situations were acted out by people who were assigned the parts on the spot. What a discussion the plays aroused! Some people saw themselves for the first time.

In Shakespeare's "As You Like It", Jaques says:

"All the world's a stage
And all the men and women merely players.
They have their exits and their entrances;
And one man in his time plays many parts."

Life could be toned up considerably if we realized we are being

watched. The eye of God is upon us. And there are other invisible spectators. The author of the Book of Hebrews described the track of life. The spirits of the departed heroes of faith are looking down from their seats in the grandstands upon the mortals as they run the races: "Wherefore seeing we are compassed about with so great a cloud of witnesses, let us lay aside every weight, and the sin which doth so easily beset us, and let us run with patience the race that is set before us, looking unto Jesus the author and finisher of our faith; for the joy that was set before him he endured the cross, despising shame, and is set down at the right hand of the throne of God." I wonder whether Jesus ever stepped aside to take a look at himself?

A member of the Alcohol Anonymous organization who is greatly admired and dearly loved used to quote a poem by an unknown author. Its theology may not be quite as high as that of the Bible, but its message was of great helpfulness to him:

The Man in the Glass

When you get what you want in
struggle for self,
And the world makes you king
one day,
Just go to the mirror and look at
yourself,
And see what that man has to
show. For it isn't your father or mother
wife
Who judgment upon you must pass.
The fellow whose verdict counts
in your life,
Is the one staring back from
the glass.
You may be like Jack Horner and
find
a plum,
And think you are a wonderful
fellow. But the man in the glass says
you
only a bum,
If you can't look him straight
in
the eye.
He's the fellow to please, never
all the rest,
For he's with you clear to the end.
And you've passed your most
difficult tests,
If the man in the glass is your
friend.
You may fool the whole world
on
the pathway of years,
And get pats on the back, as
you
pass,
But the final reward will be heart
and
tears
If you have cheated the man in
the
glass. —Larry Schwab

Measuring Milk Produced by Cows Grazing on Irrigated Pastures

FORTY-TWO registered Brown Swiss dairy cattle are being used at Kansas State College branch experiment station, Garden City, to measure milk produced by dairy cows on irrigated pastures, and to demonstrate value of dairying in connection with irrigation.

A. B. Erhart, superintendent of the station, said 8 different grasses and 10 legumes are being compared in the irrigation-dairying project.

Preliminary results indicate alfalfa and brome grass are equal or superior to other combinations. Gross returns from 1 acre of grass have been more than \$200, Erhart said. He gave no figure for net returns. Gross returns are computed from value of milk produced from the irrigated grass and legume pasture.

Grasses used in the experiment were brome, intermediate wheatgrass, wheatgrass, Kentucky 31 fescue, casian bluestem, Blackwell switchgrass, Sudan, and Bahio rye. Legumes used in combination with grasses were alfalfa, ladino clover, sweet clover, birdsfoot trefoil, creeping alfalfa, Astragalus sp. K L 13, lespea daurica schimadae, hairy vetch, Lespedeza tuberosus, and Astragalus cicer.

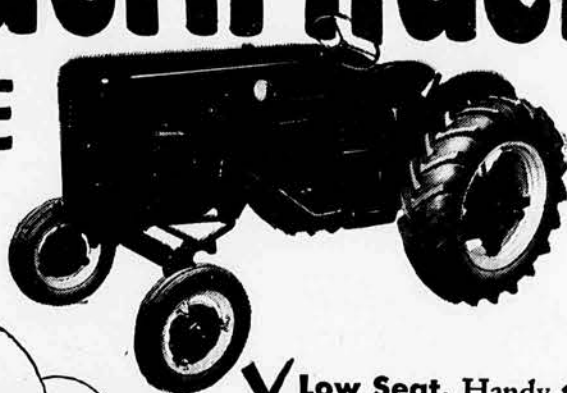
Inspects KSC Research

Kansas State College research in agriculture was inspected recently by Dr. Francisco Q. Santos, of Philippine Agricultural College. He is currently engaged in research work on nutrition and utilization of waste products.

CASE Presents Newest of Modern Tractors

**MORE CONVENIENCE
MORE COMFORT
MORE UTILITY**

than Ever Before Built Into a Tractor



- ✓ **Low Seat.** Handy to get on, handy to controls, handy to watch your work.
- ✓ **Low platform.** Just a step from the ground. Yet full crop clearance for cultivation.
- ✓ **Side entrance** ahead of fender. No need to climb over rear-mounted implements.
- ✓ **Low profile.** Tail-pipe exhaust and low air intake optional, as shown above.
- ✓ **Low center of gravity.** Unusual stability for operation on side hills.
- ✓ **Cultivate up-front,** or behind with Eagle Hitch mounting of sweeps or shovels.
- ✓ **Adjustable tread** front and rear for wide range of row spacing.
- ✓ **High-torque** heavy-duty engine with lugging power for hard pulls.

HOOK UP SITTING DOWN

Stay in the driver's seat! Eagle Hitch claws take hold of mounted plow, disk harrow, roller-packer, etc. . . . you slip a pin into depth-control link, let hydraulic control raise implement . . . and GO.

Like all Eagle Hitch tractors, this new low-seat model also gives you Constant Hydraulic Control and powerful brakes for sure stops and short turns. It saves you hundreds of motions every day, takes less time to hook up and get to the job, gives you more productive time in the field, helps you lessen costs, grow bigger crops, get larger returns.



Shock-free steering stops jolts from rough ground, prevents bruised hands and aching wrists. Notice how operator drives over big bumps without hands on the wheel.



Constant-depth principle pulls plows at consistent depth. Break-Away plows uncouple on striking stone.

Make a date with your Case dealer for a personal demonstration. See this new tractor on his floor, later in action on your own farm. See the great variety of Eagle Hitch implements to fit your soil and crop system. Use the coupon.

GET THE FULL STORY IN PICTURES

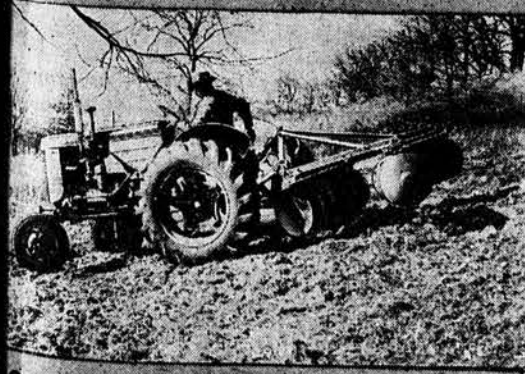
For catalog or folders, mark here or write in margin any tractor, any farm machine you need. J. I. Case Co., Dept. A-47, Racine, Wis.

Eagle Hitch Implements—
☐ Low-seat 2-plow Tractor
☐ Big 2-plow "SC" Tractor
☐ 3-plow "DC" Tractor

☐ Eagle Hitch Implements
☐ Seedmeter Drills
☐ Manure Spreaders

NAME _____
 POSTOFFICE _____
 RFD _____ STATE _____

CASE



Constant hydraulic control acts instantly any time when engine is running, independent of clutch and gears. Moving or standing, you can raise, lower, adjust implements.

HAULS - UNLOADS - ELEVATES - MIXES

GRAIN-O-VATOR

The ORIGINAL and largest selling self unloading and elevating wagon.



GRAIN-O-VATOR will mechanize your feed and grain handling jobs. Eliminate time taking scooping, stop wasting feed and save feed help expense. GRAIN-O-VATOR unloads up to 50 bushels per minute. Operated from PTO. Handles flowing materials.



FEEDING NO PROBLEM
Load it up—mixes it and feeds without effort.



BLOWER ATTACHMENT
Blows grain up to 40 feet high. Another reason for GRAIN-O-VATOR Superiority.

SAVE TIME, LABOR AND MONEY WITH THE LOW COST GRAIN-O-VATOR. SIMPLE TO OPERATE AND DESIGNED FOR YEARS OF SERVICE. WRITE FOR DETAILS

Write for Free Folders

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

WELCH SALES COMPANY

BUD WELCH
Strong City, Kansas

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.

THE *Mighty* MODEL G

DOES THE JOB EASIER AT LOWER COST!



Here's the tractor built for profitable POWER farming. For easy handling—steady, dependable maximum power at lower cost—this 4-5 plow MM tractor is in a class by itself. Ideal for belt work, big plowing jobs, pulling two or three drill hook-ups, large Wheatland disc plows, wide-cut harrows and other heavy farm operations that get more work done in less time.

IMPORTANT PROFIT FACTS

Advantages like these make the mighty MM Model G just right for your 4-5 plow tractor needs: high-compression cylinder head for maximum fuel economy; force-feed lubrication to all vital parts; 5-speed transmission ranging from 2.5 to 13.8 mph; internal expanding shoe type brakes for quicker stops; starter and lights as standard equipment; comfortable Flote-Ride seat that shortens long working days; large twin-disc, hand operated clutch for easier, safer operation and easier control; Visionlined design for unobstructed vision.

Owners everywhere say that for power, economy, and easy operation nothing can equal the mighty MM Model G tractor. Come in, let us give you all the farm-profit facts.



MINNEAPOLIS-MOLINE

MINNEAPOLIS 1, MINNESOTA

Better Get Your Seed Supplies Early But Be Sure of Quality You Buy

YOU SHOULD BE getting seed supplies right away for spring planting, Kansas State College agronomy department officials advise, in view of more limited supplies than usual of some seeds. Otherwise, existing supply may find its way into other channels. However, there is danger in rushing purchase at the expense of being sure of quality and adaptability of the seed you buy, they caution. Also, while the sorghum crop, for example, was small, it should be remembered only a small amount of seed in proportion to some other crops is needed to plant sorghums.

Outcome of the wheat crop will influence considerably seed need, Dr. H. H. Laude, staff agronomist, pointed out. Situation varies considerably with local conditions. Dean Emeritus R. I. Throckmorton reminds us of some similar conditions in the past, when many plowed up what would have gone on to make a real wheat crop. Best advice seems to be to keep posted on current situation.

First Choice in Replanting

Outlook for west where sorghum is next in line, is for limited supply compared to previous years. It would be first choice in replanting wheat land, and since alternatives for wheat are few and with half the cultivated acreage in wheat, making a change is a serious proposition, Doctor Laude emphasizes. Seeding sorghum, of course, rules out wheat for next fall, too, he reminds us. Summer-fallowing is another possibility. But a large part of Western Kansas was fallowed last year and 2 years fallow in succession is inviting blow hazard and increased runoff.

Small grain is next preference for the west. Barley preferred, but supplies of adapted Beecher and Flynn are scarce.

College experts are looking for new specialty crops as fill-ins, but satisfactory substitutes are hard to find. Safflower is being tested but College is not ready to recommend it yet. It has possible oil uses in hastening drying of

coating compositions when mixed with linseed oil.

After sorghum planting time, Sudan for feed is next possibility. Some try millets for hay and grain. They possibly have a place as catch-crops if sorghums fail, Doctor Laude feels.

Central and Eastern Kansas possibilities are more varied. Sweet clover is easily grown and oats are best bet in small grain. Corn does well in east. Clover and oats supplies especially promise to be scarce. Eastern Kansas is good spot also for later sowing of alfalfa, soybeans and brome pasture.

Sesame May Help

For the future, Central Kansas may find real boon in Sesame if College tests show it satisfactory and if industry accepts it. Sesame oil makes pyrethrum, the insecticide, more effective.

Study of acreages of seed crops inspected by Kansas Crop Improvement Association give indication of more limited supplies of certified oats, sorghum, barley and possibly clover seeds too, so now is time to think of supply.

Everyone is eager to take advantage of new varieties that will give greater and surer yields. If you have heard about a phenomenal crop in a neighboring state or region that is not on the recommended list in your area yet, keep this in mind. Doctor Laude explains that as soon as experiment stations anywhere else in the Nation are ready to field-test a variety for general use, they send samples to all other states they think might be interested. Thus in Kansas, we are testing new varieties right along with our neighbors, but under Kansas conditions. If that new variety is adaptable in your area, your experiment station will know. Ask about it.

Dairy Group Elects

Newly-organized North Central Kansas Dairy Improvement Association is headed by Elbert Henry, of Belleville. Membership includes dairymen from Jewell, Cloud and Republic counties.



Get your thinking caps on, Kansas 4-H Club reporters! Announcement is made of the 1953 Kansas 4-H Club Reporters 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.

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 write to State 4-H office, Manhattan.)

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.

Far Too Few Crops Are Included In Most of Our Kansas Gardens

By WILLIAM G. AMSTEIN, Kansas State College

IN THE NEXT MONTH or two most Kansas gardeners will be choosing their 1953 vegetable crops and varieties. It is one of the most important phases of the entire garden program. How much time or attention do you give to it? There is a big difference in adaptation of some vegetable varieties.

It is surprising to find how few gardeners answer with any degree of certainty, questions on varieties they are using even when the principal vegetable crops are involved. Can you imagine getting the same type answer about most field crops? I hope more gardeners will keep track of varieties used in 1953 and results obtained. It will help improve your returns.

Most years I visit gardens in all sections of the state. One common observation is that too few crops are included. It is true a majority of production usually is obtained from 6 to 8 main crops. But many other crops could be included with success. Likewise, considerable added variety to meals would be obtained at the same time. In early spring vegetable list, crops such as head lettuce, cauliflower and broccoli are good examples. For late summer, as well as fall and winter use, butternut and buttercup squash, summer squash, sweet potatoes and similar items could be included in more garden planting plans.

These Deserve Attention

Along with new crops, better adapted varieties of standard crops, or varieties that aid in providing a longer season of return, deserve attention. Do you belong in the group that makes one big planting of sweet corn? This gives your family more corn than you can use at its peak of harvest. Then you go the rest of the season without any more corn, unless your neighbors happen to make the same mistake earlier or later. However, I hope both you and your neighbors make use of several planting dates, or select a list of varieties with a wide range of maturity dates.

While no new vegetable varieties were awarded high honors this year, there are several introduced in the last year or two that deserve listing. Some of these may not be too widely

available. However, if you start looking early your dealer may find them for you.

Washington 500 is a new strain of asparagus developed in California. It has proved to give larger early yields and more uniform and greener stalks than the regular Mary Washington. Stalks are large and thick, deep green without purple overcast, and they stay tight even when fairly tall and old.

Golden Harvest is a new delicious main crop sweet corn. Golden Harvest is a white-silked strain of Golden Cross Bantam. It has excellent sweetness and rich flavor, more vigorous plants and uniform ears. Its golden colored ears are very attractive as well as appetizing for fresh use, canning or freezing. Dr. Glenn Smith, of Purdue, developed both Golden Cross Bantam and Golden Harvest.

Hoosier Gold (77 days) is a medium-early, high-quality hybrid sweet corn ripening between Carmelcross (72 days) and Golden Cross Bantam (84 days). This is in the season where a real need is met with Hoosier Gold. Most early corn has lacked real quality. This one is an exception. Too many in this season only had earliness to recommend them along with a surplus of worm damage.

Two new loose leaf varieties of lettuce are **Slobolt** and **Salad Bowl**. Slobolt will stand 2 or 3 weeks longer than most varieties without sending up a seed stalk. By keeping outer leaves picked off the plant will continue in production. Salad Bowl is a distinctive loose-leaf-type lettuce of high quality. Plants make a rosette of wavy, notched leaves closely set on a short center stem. Both of these are good varieties for home use.

The following are suggested vegetable crops and varieties for Kansas. Disease-resistant varieties or strains and certified seed should always be used where possible:

Beans: Snap—Topcrop, Bountiful, Stringless Green Pod. Wax—Golden Wax, Pencil Pod Wax.

Beets: Early Wonder, Detroit Dark Red.

Cabbage: Yellow Resistant Golden Acre, Marion Market.

Carrots: Red Cored Chantenay, Danvers Half Long.

Corn: Golden Cross Bantam, Ioana.
Cucumbers: Burpee or other hybrids, Marketer.

Lettuce, Leaf: Black Seeded Simpson, Grand Rapids, Slobolt.

Lettuce, Head: Great Lakes.

Onion: Sweet Spanish, Bermuda (Plants or sets and seed).

Peas: Little Marvel, Wando (heat resisting), Burpeeana.

Irish Potatoes: Irish Cobbler, Red Warba (use certified seed).

Spinach: Bloomsdale Long Standing, America.

Summer Squash: Straightneck, Castera.

Winter Squash: Uconn, Butternut, Sweetcup.

Sweet Potatoes: Nancy Gold, Orlis.

Swiss Chard: Lucullus.

Tomatoes: Eastern Kansas (Wilt Re-

sistant), Rutgers, Marglobe. (Non-wilt resistant), Valiant, Stokesdale or Sioux. Central and Western Kansas Sioux, Firesteel, Porter.

Turnips: Purple Top Globe.

Watermelons: Kansas, Blacklee.

Other crops or varieties that deserve planting include:

Beans: Wade.

Broccoli: De Cicco, Italian Green Sprouting.

Califlower: Early Snowball.

Chinese Cabbage: Michihili, Chihli.

Kohlrabi: Early White Vienna.

Tomatoes: Hybrids (Select them for early and late maturity).

Hybrid Sweet Corn: Hoosier Gold, Golden Harvest, Gold Rush, Golden Security.

Onion: Hybrids.

Irish Potatoes: White Cloud.

CHAMPLIN HI-V-I PREMIUM HEAVY DUTY MOTOR OIL ON GUARD AGAINST WINTER WEAR!



There is no time for guess-work about lubrication used in engines of war. The U. S. Army has developed a series of rigid tests to evaluate the quality of heavy duty oils under extreme conditions. The new Champlin HI-V-I Premium Heavy-Duty Motor Oil has passed, and in many instances, exceeded the tests covered by U. S. Army Mil-O-2104 specification, for oil to be used in heavy-duty service!

ESPECIALLY REFINED TO INSURE SUPERIOR LUBRICATION PROTECTION AT FREEZING TEMPERATURES!

The icy onslaught of winter holds no fear of engine trouble for the motorist who has HI-V-I Premium Heavy-Duty Motor Oil on guard in that engine. This oil is especially refined to insure an instant, free-flowing film of lubrication...one that is tougher, longer-lasting and richer than ever before! A new surface-active agent gives HI-V-I its added film strength...the power to adhere to metal parts, uniformly and constantly, during all engine operating temperatures and speeds.

Heavy-Duty HI-V-I prevents engine wear caused by harmful contaminants, by dispersing them before they can form damaging carbon deposits.

For complete engine protection at freezing temperatures, use Champlin HI-V-I Premium Heavy-Duty Motor Oil!



CHAMPLIN HI-V-I
HEAVY DUTY OIL IS
MOST EFFECTIVE IN
ELIMINATING TROUBLE
CAUSED BY LOW
TEMPERATURE OPERA-
TIONS...PARTICULARLY
"STICKY VALVES"



a product of

CHAMPLIN REFINING COMPANY, Enid, Okla.

BARTON COUNTY BOY WINS AWARD



DARRELL E. KEENER, Barton county, won national award of \$300 scholarship at 4-H Club Congress, Chicago, from American Oil Co., General Petroleum Corp., Pan-American Southern Corp., Standard Oil Co. (Ind.); Standard Oil Co. (Ky.); Standard Oil Co. (Ohio); Stanolind Oil and Gas Co.; and Utah Oil Refining Co. Darrell is 6th from left, above. He enrolled in tractor maintenance program to learn how to service and care for 2 tractors on his farm. He has kept records for 530 hours on both. He won blue ribbon at state fair for demonstration on cleaning and packing wheel bearings. For last 2 years Darrell has been president of Eureka Homesteaders 4-H Club.

FARMING "FIRSTS"

National Weather Improvement Association was organized in winter of 1951. First president was Harvey Harris, rancher of Sterling, Colo. Purpose of organization is to insure weather improvement developments proceed in an orderly fashion; that this new force be directed into constructive channels for best interests of entire country.

Peas Were Cultivated by Indians in Virginia before European settlement. European varieties were planted at Plymouth in 1621.

First Entomology Professor in United States was Hermann August Hagen, 1870-1893, at Harvard University, Cambridge, Mass.

First Horticultural Magazine was "Floral Magazine and Botanical Repository," published in May, 1832, at

Philadelphia, Pa., by David and Cuthbert Landreth, nurserymen and seedsmen.

First Horticultural Society was the New York Horticultural Society, founded in 1818. It was incorporated on March 22, 1822, and lasted 15 years.

First Permanent Horticultural society was The Pennsylvania Horticultural Society, established November 24, 1827, at Philadelphia. Horace Binney was first president. First exhibition of society was held on June 6, 1829.

Red Peppers Are believed to be native of America; were cultivated by Indians.

Strawberries Were Found growing wild in great abundance by first settlers in Virginia. Later, cultivated strawberries were thought to be derived from Chilean stock.

First Veterinary College in America was Boston Veterinary Institute at Boston, Mass., on April 28, 1855. First president was Dr. Daniel D. Slade.

First "Demonstration Farms" in U. S. were in the South, when Seaman A. Knapp of the USDA set up farms where improved methods of growing cotton were shown and taught to farmers. This year is 100th anniversary!

Mechanical Principles of the modern grain elevator were first employed by Joseph Dart in Buffalo, in 1842.

Grades of Wheat were first indicated on grain elevator receipts in Chicago in 1857.

First Phase of Organized drive for education for farmers and working-class people was the Lyceum movement, founded by Josiah Holbrook in 1826.

First President of the Farm Home

February Parties

For party fun, let us suggest these leaflets:

Mr. Ground Hog's February Party—playlet, 5 characters in the cast. Price 5c.

That February Party. Suggested games. Price 3c.

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

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

Address Home Service Editor, Kansas Farmer, Topeka, Kan.

Editors Association, for women editors of farm publications of United States was Mrs. Louise Roote, editor of Farmer's Weekly newspaper, Topeka, Kan. She helped organized the association.

Future Farmers of America was organized at Kansas City, Mo., in November 1928.

Annual National FFA Day was established in 1934.

A National FFA Camp was opened for the first member visitors on June 1, 1941.

Annual National FFA Public Speaking Contest was started in 1930.

First Organization Similar to the FFA was in 1921, in Virginia, for Vocational Agriculture students at Burke Garden. A state-wide organization was formed in 1925, and was first to obtain a state FFA Charter.

First National Convention of FFA was held at Baltimore Hotel, Kansas City, Mo., November 20, 1928.

First National President of FFA was Leslie Applegate, of New Jersey in 1928.

First National Winner of FFA Public Speaking Contest was Edward Drace, Keytesville, Mo., in 1930.

First National Winners of FFA Better Chapter Contest were Salisbury, Mo.; Danville, Ark.; Maddock, N. Dak. and Forestville, N. Y., in 1930.

First National Winners of FFA State Association Awards were Virginia, Illinois, Tennessee and Georgia in 1930.

First National President of New Farmers of America was David Simmons, of Alabama.

New Farmers of America, national organization of Negro Vocational Agriculture students, had its beginning in Virginia in 1926 and held first state meeting and rally at Virginia State College, Petersburg, in May 1927. First national meeting of NFA was held at Tuskegee Institute, Ala., in August 1935.

First Feed Technology curriculum in an American college was at Kansas State College, inaugurated in September 1951. It became the only college in the world offering work leading to degree in feed technology.

First Woman to Win a master's degree in soils from Kansas State College was Ursula Moser, of Cambridge, Mass., on January 25, 1952.



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

CHANCES are your dad would have laughed his head off if anyone had suggested that he fertilize in January...and his dad would have grinned at the idea of fertilizing *any* time.

That just goes to show how much we've all learned about better farming methods. Nearly everybody knows now that winter is an excellent time to apply BEM BRAND. It stands to reason, when you stop to think about it, because early application lets BEM BRAND become *part of your soil*. That means there is plenty of time for soil and moisture to unlock all the nutrients in BEM BRAND, so that they are ready and waiting for the first seeds.

Buying BEM BRAND early has other advantages, too. For example, buying today will make it certain that you get exactly the quantity and grades you need instead of settling for substitutes at the last minute.

That reason alone is enough to make many farmers pick a small, dry space in the barn, for storing BEM until they're ready to use it. Three-by-five feet of floor space will hold a ton of BEM BRAND. What's more, it will stay in smooth-flowing, easy-drilling condition until you're ready to use it.

Either way you store it...in the soil or in the bag...early buying makes good sense. Just be sure you get BEM BRAND, the *bonus* fertilizer. See your dealer now.

BEM BULLETIN BOARD

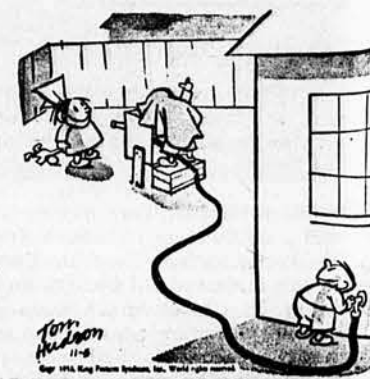
TEST YOUR SOIL
YOUR COUNTY AGENT CAN
TELL YOU WHAT GRADE OF
BEM BRAND IT NEEDS!

LISTEN TO "FARM PROFIT BUREAU"
WITH SAM SCHNEIDER
12:45 P.M. - M.W.F. on KVOO
"THE NOON NEWS" WITH LARRY FINLEY
MON. WED. FRI. ON KCMO. BIG ON YOUR DIAL.

FREE
FERTILIZER
HANDBOOK
WRITE FARM SERVICE DEPT.
THURSTON CHEMICAL CO.
JOPLIN, MO.

Buy **BEM**...the *bonus* fertilizer!

THURSTON CHEMICAL CO.



"Smile."

Farm and Home Week Invites You

(Continued from Page 8)

Coleman, Lawrence. Recognition of Premier Seed Growers, Walter J. Atzenweller, agricultural commissioner, Kansas City Chamber of Commerce. Fifty Years of Crop Improvement, C. C. Cunningham, president, Kansas Crop Improvement Association. Folksong Philosophy, Earle Davis, English Department, KSC.

LIVESTOCK DAY PROGRAM

Thursday, Feb. 5

Room 212, West Waters Hall

9:00—Problems of Current Interest in Roughage Feeding, Rufus F. Cox, KSC. How Much Protein and What Kind, D. Richardson, KSC. Special Supplements Needed for Low Quality Roughages, Lloyd E. Washburn, Colorado A & M College, Fort Collins. Making Poor Roughages Do the Work of Good Ones in Lamb Fattening, T. D. Bell, KSC.

1:30—Straw, Stover and Other Low Quality Roughages for Wintering Beef Cows, Lot F. Taylor, KSC. Roughages for Breeding Ewes, V. E. McAdams, KSC. Bluestem Grass in Summer and Winter for Making Beef, Ed F. Smith, KSC.

AGRONOMY PROGRAM

Friday, Feb. 6

Engineering Lecture Hall

9:00—Importance of Grass in Kansas, R. V. Olson. Grass in Eastern Kansas, New Information on Grass from the Experiment Station, R. I. Throckmorton, KSC. Grass in Central Kansas, Six Years of Range Studies at Hays, W. W. Duitsman, superintendent, Fort Hays Branch Experiment Station. Grass in Western Kansas, Re-establishing Range, George Atwood, project manager, Soil Conservation Service, Elkhart. Irrigated Pastures, A. B. Erhart, superintendent, Garden City Branch Experiment Station.

1:30—The Value of Grass in Agriculture, illustrated, C. J. Chapman, Wisconsin University, Madison. Grass Silage, John Miller, soil conservationist, Consumers Co-operative Association, Kansas City. Grass Panel, discussion of questions by Kansas growers and users.

Hay Came From Linn

Dear Mr. Gilkeson: In your December 20 issue, on page 2, you listed Kansans winning high honors at the International in Chicago.

You mention Clyde W. Seales, Osawatomie, was named 1952 Hay King. I thought you might like to know Mr. Seales and also the winning hay entry are both from Linn county. The Seales Hay Company is 3½ miles southeast of Mound City, and the hay that won the title for Mr. Seales was baled on their meadow 4 miles southeast of town.

J. W. Seales, father of Clyde, lives on the home place here at Mound City. Clyde is principal of the Junior High School at Osawatomie, and listed his address as such, at Chicago.

The hay was cut from their limestone prairie meadow around July 4. We here in Linn county are proud this championship hay was from our county, but with Mr. Seales entering his address as Osawatomie, too, many take it for granted that is where the hay came from.—Very truly yours, Bruce E. McLaury, County Agent.

Appoint a Kansan

Ned O. Thompson, former county agent in Stevens county, has been named chief of the land use and settlement branch of Region 3 of the U. S. Bureau of Reclamation, Boulder City, Nev. He is a 1936 graduate of Kansas State College.

Is It True?

Is it true bees make their humming and buzzing noises with their mouths or within their breathing systems?

According to agricultural scientists, those familiar noises are made when bees rapidly vibrate their wings! A honeybee can vibrate its wings 220 times a second! There are "fanner bees" who ventilate a hive by crawling about beating their wings!

Order Now and— SAVE On Oils and Greases

Use the Annual Phillips 66 Advance Order Plan!



HERE'S HOW THE PLAN WORKS: Order your Phillips 66 Motor Oils, Gear Oils, and Greases now. Set a delivery date before May 31, 1953.

The single delivery saves us time, trouble and handling expense. So we can offer you these special benefits:

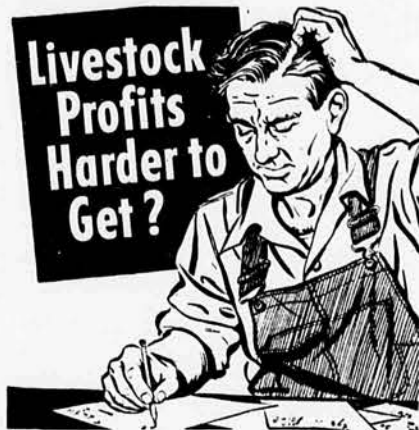
- Money-Saving Discounts
- Discounts on Orders as Small as 15 Gallons
- Protection against Price Increases
- No Down Payment—No Cash Outlay
- The Products You Need When You Need Them



TRACTORS AND
TRUCKS NEED
THIS HEAVY
DUTY OIL!

And most important, you get famous Phillips 66 Products . . . products you can depend on. You get Phillips 66 Heavy Duty Premium Motor Oil . . . the oil that's so good it actually surpasses manufacturers' recommendations for all makes of cars . . . an oil that's truly heavy duty so it will protect your truck and tractor, too.

See your Phillips 66 Tank Truck Driver. Get your order in and save on Phillips 66 Motor Oils, Gear Oils and Greases.



... NOT WITH BIG 6 TRACE MINERAL SALT

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

YOUR LIVESTOCK NEED EXTRA MINERAL HELP!

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

Available from
most feed dealers
in 50-lb. blocks
and 50-lb. and
100-lb. bags.



AMERICAN SALT CORPORATION
20 West 9th Street Bldg., Kansas City 6, Mo.
Makers of REX Multi-Mineral Supplement with Salt,
BIG 4 Iodized Mineral Supplement Salt

"Make your dollar buy more wear... more comfort!"

LOOK FOR THIS LABEL!

...WRITE FOR THIS HELPFUL FREE BOOKLET—"YOUR SHOES"

RED WING SHOE CO.
156 MAIN STREET • RED WING, MINN.
MADE TO WEAR... EVERYWHERE!

EXTRA FARM PROFITS

KSILO KM

★ WATER-PROOF
★ FIRE-PROOF
★ VERMIN-PROOF

Manufactured by our NEW METHOD for GREATER STRENGTH — BEAUTY — DURABILITY.

Liberal Discount for early orders. Investigate our payment plan before you buy—monthly, quarterly or semi-annually.

Write for complete information
KANSAS-MISSOURI SILO CO.
624 East 7th St.
Topeka, Kas., Phone 2-2757

Crop Improvement Makes Headway

(Continued from Page 1)

leading farmers of the state. Its service to Kansas agriculture has long won the praise of the state agricultural college, and various other organizations interested in the welfare of the state's agricultural economy.

The Crop Improvement Association's greatest growth has come in the last 15 years with the program of seed certification which it is legally authorized to conduct thru Kansas State College. Encouraging farmers to plant certified seed of adapted field crops has been a growingly important function of KCIA, boosting acres of all crops inspected for certification to 16,000 in 1942, and 6 times that many by 1952. Sale of certified seed by association members has exceeded a million dollars annually for the last 7 years, reaching a million and a half in the 2 latest crop years.

Growers Pay Sale Fee

Principal source of association income is a 2 per cent sale fee paid by growers on seed sold from inspected fields. This supports educational promotion which in 1930 amounted to less than \$400, in 1950 had risen to \$10,830. The certified seed message is carried by 10,000 KCIA semi-annual seed directories. These include in their pages descriptions of varieties approved for certification, standards required for certification, and lists of growers. The message of good seed and adapted varieties also is carried to a wide radio audience hearing Kansas State College athletic events. A monthly association news bulletin, displays at fairs, use of association bags, tags and seals are other methods used to bring work of the association to public attention.

Guiding policies of the association are its 14 officers and directors, almost all of whom are engaged in farming, and interested in keeping problems of the active farmer uppermost in association planning.

From the days of its original exclusive membership of 20, KCIA reached a membership of 2,050 in 1950. From 2 half-time employees not many years ago, the KCIA office has expanded to 8 full-time employees, 3 of them officers of the association. An extra staff of clerks and typists is needed in the spring, and a crew of field inspectors is needed in the crop season. For example, 18 inspectors were needed for the wheat crop this year. Fitting into this seasonal work are folks regularly employed as Vocational Agriculture instructors, high school principals and some farmers.

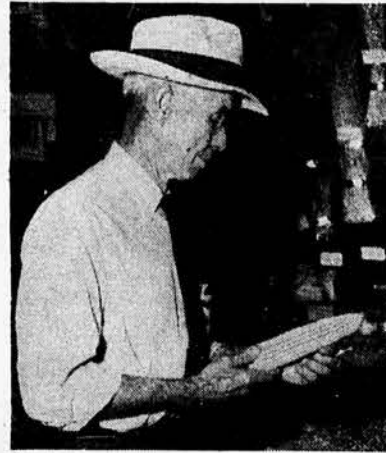
It was at a meeting of the State Board of Agriculture in 1902 Prof. A. W. Shamel, of Illinois, told of an association of corn breeders established 2 years earlier in his state, and suggested the value to Kansas of such a group.

Started as Corn Association

L. E. Call, dean emeritus of agriculture at Kansas State College and KCIA secretary from 1908 to 1910, reports after extensive study of the early history of the group that farm leaders of that day attending the meeting thought highly of the Illinois plan. Under J. W. Robison, of Towanda, livestock man and outstanding agricultural leader, the Kansas Seed Corn Breeders Association was organized. Edwin Taylor, Edwardsville, was chosen vice-president; Col. Guilford Dudley, Topeka, treasurer, and E. B. Cowgill, secretary. Constitution and by-laws of the Illinois association were adopted by the Kansas organization.

Kansas Farmer for January 21, 1904, reported the 3rd annual meeting of the Kansas Seed Corn Breeders Association in Representative Hall, January 15. At this meeting, the association adopted its own constitution and named in addition to the same, officers elected in 1902, a group of directors including John Powers, Marion; T. W. Potter, Peabody, and the Professor of Agriculture at the Agricultural College.

That year, President Robison also became president of the State Board



C. C. CUNNINGHAM, KCIA president and veteran crop expert in Kansas will be feature speaker at association's annual banquet February 5, at Manhattan. Here he is seen judging farm crops at Kansas State Fair, an annual duty he has enjoyed the last 40 years. He farms at El Dorado, has served as a KCIA director since 1915.

of Agriculture, but Dean Call pointed out that altho the association sought recognition by the State Board of Agriculture, such recognition was slow in coming and most interest in improved corn breeding was shown by the agricultural college.

The 5th annual meeting of the association was held at Kansas State College January 22 to 24, 1906. Kansas Farmer's account of the meeting, which included a corn show, advised those attending to "take a receipt for your railroad fare, for if 100 persons present such receipts, the return trip will cost but little." Over 400 attended and 115 came from distances greater than 15 miles. "A score of new members were added to the association," a later account states.

Speakers Came From Canada

Program for the 1906 meeting was most outstanding, Dean Call found. Speakers came from distant parts of the United States and Canada. Prof. C. G. Hopkins, of Illinois, spoke on "Improvement of Corn by Breeding," describing crossbreeding and inbreeding work there with Leaming corn. Corn had been inbred for 3 successive years. This is probably where the first conception of hybrid corn originated. "Half the corn grown in Illinois is known by a name that has some authentic history," Professor Hopkins said.

Others on the program discussed improvement of cereal crops, farm management and good roads. Professor Shoesmith of the college was elected secretary of the association, to be succeeded in later years by Milton Snodgrass, Dean Call, and E. G. Schafer. In 1914, interest in the improvement of crops other than corn led the organization to change its name to the Kansas Crop Improvement Association. Interest of the Kansas State College in the association has continued since those early days, affairs of the association resting largely in the hands

of the secretary who has been a member of the college faculty since 1905. Activities of the association have been largely promotional and educational and the college has found the association an effective agency thru which to work in the improvement of crops in the state.

In 1917, the college called on the KCIA to keep a pure source of seed available when Kanred wheat was introduced. The college arranged thru KCIA for distribution of foundation stocks of the wheat and for inspection service starting in 1917 to assure increased supplies of pure seed. It is interesting to note Senator Frank Carlson, of Concordia, was one of the first members of KCIA to supply certified Kanred.

Asked College to Act

Inspection and certification of seed were at first conducted by verbal agreement between the Experiment Station and KCIA. In 1937, however, the Kansas Legislature enacted the Kansas Certified Seed Law authorizing Kansas State College to appoint an agency or agencies for the purpose of certifying seed and plant parts and provided that no certification shall be made except by, or on authority of, the college.

The director of the Experiment Station acting for the college has each year approved the Kansas Crop Improvement Association as the legal certifying agent for the state, and has named the varieties of crop plants that are to be inspected and certified.

Thus Kansas is one of the few states in which seed inspection and certification are self-supporting. While the secretaries of the association have remained on the college staff and office space has been provided by the college, the association has contributed enough to the college budget to offset this, thru inspection of college fields and crops without charge. In fact, the relationship that has existed between the association and the college has been mutually beneficial in their joint effort to provide Kansas growers with a plentiful supply of finest varieties developed.

Present officers of KCIA, which is a member of the International Crop Improvement Association, are C. C. Cunningham, president; J. E. Sowder, Toronto, vice-president; L. L. Compton, secretary-treasurer; Jake Ubel, assistant secretary, and Betty Stephens, clerk, all of Manhattan. Directors of the Association: Charles R. Topping, Lawrence; Edward Oborny, Bison; George Fuhrman, Atchison; Wallace White, Coldwater; Walter Peirce, Hutchinson; H. F. Roepke, H. E. Myers, and L. C. Williams, Manhattan; and Mr. Sowder.

These Assistants Help

Continuing activities of the office are carried on by Mr. Compton and his assistants; Mr. Ubel; Miss Stephens; Pearl Mosteller, file clerk; Marilyn Scherling, clerk-typist; Carol Webster, certification clerk; Joanne Nauman, bookkeeper.

Program for the annual meeting of the Kansas Crop Improvement Association, February 5, at Manhattan, announced by L. L. Compton, secretary-treasurer, will be found in Farm and Home Week story in this issue of Kansas Farmer.

WHERE DO THEY GO?

What happens to Kansas State College agriculture students who are members of the livestock judging teams?

The 1936 team—which won first in America at the International Livestock Exposition—is considered typical of occupations followed. Tom Potter, Peabody, now operates a large beef cattle ranch there. Clarence C. Bell, McDonald, is a farmer there and president of the Kansas Wheat Association. J. A. McMurtry, Claredon, Tex., is now a large beef cattle rancher near Claredon. Roy Freeland, Effingham, is secretary of Kansas State Board of Agriculture, prior to that was associate editor of Kansas Farmer. Clare Porter, Stafford, is secretary of the Nebraska Crop Improvement Association. W. B. Thomas is Saline county agent.

Knowledge these men gained in judging fine livestock has been retained, is used in various ways in their respective fields of endeavor to improve agriculture.



Dwight Hull SAYS . . .

Let's Mean It When We Sing, "The More We Get Together"

"THE MORE WE GET together, the happier we will be." This little song, usually sung when people get together, carries a meaning and a philosophy we might well consider at this time of the year. This is the time of year many farm groups get together for annual state, district, and local meetings of various farm organizations. "The more we get together the happier we will be," does not necessarily imply happiness comes to us just while we are together, and leaves us when we return to our homes. Real happiness does something to us to change our attitudes, our ideas, and our method of doing things. It gives us greater mental and physical security in what we are doing, and in our relationship with our fellowmen.

Many times we think we are too busy with our daily tasks to even attend meetings that are most convenient for us, and perhaps are considering the subject that is closest to our hearts. Too busy—because we have failed to catch the real value that can come to us from such a source. Yes, too busy—because maybe we have failed to put forth the effort which will enable us to receive some benefit.

To Get the Most Benefit

It is rather difficult to tell someone, who is not convinced he should attend, of the benefits he might derive from attending. Tangible results from belonging to your state or district dairy-breed organization, for example, cannot readily be realized. How often we hear someone say, "What good or benefit do I get by belonging to our state breed organization?"

In reality, the folks who receive most benefit from any organization are the ones who put the most into it, both in time and effort. This doesn't mean you have to run the organization or even be an officer. Time might simply mean the time it takes to attend and do whatever part you may be called upon to do. Effort might be either physical or mental. Very often we miss the benefits we might receive because we do not put forth mental effort, or have the proper mental attitude.

To belong to any group and do one's part involves a certain amount of selfishness. There are many things a group can accomplish that benefit every individual of the group. The best example I know is breed promotion. The breed that does a good job of promoting the breed by advertising, by encouraging breeders to show at local and state shows, by interesting 4-H club members in the breed, by assisting new breeders with their problems, helping every individual who owns

animals of that breed. Thus, those who belong and help make the organization a success, do so with an unselfish attitude.

What is the value of an idea? Where are we likely to receive our most valuable ideas? Surely not by staying at home like a hermit. We receive ideas from others. These ideas may come in visiting with others, in group discussions, by listening to someone talk or in study of approved practices recommended by those who qualify as authorities in our field of endeavor. We are usually not aware we have picked up an idea. In fact, many ideas come to us slowly and may take years to actually formulate. We do not know where one comes from, or how we got it. In other words, ideas become a part of us and our growth and development.

We Are Fortunate

Who can measure the value of a friendship? Many valuable, lasting friendships are formed when persons with common interests get together in groups. How poor we would be, indeed, if we did not have friends. How fortunate we are to live in a country where men and women are free to organize as they please and develop a program they feel is most beneficial to them. Despite the benefits and despite the freedom we enjoy, we find only a small percentage of those eligible to belong to a given group, actually belonging or taking advantage of the many fine programs presented for their benefit.

One fine program we have in mind which more farmers should take advantage of is "Farm and Home Week" at the Kansas State College, Manhattan. Many farmers never miss a year in attending this event, while many others have never realized the advantages of attending.

Wouldn't it be a good time, as we start the New Year, to resolve to take our place in the groups and organizations closest to our hearts? Then let the song we sing, "The more we get together, the happier we will be," really mean just that to us.

Morris County Doubles Soil Effort

Soil conservation practices most needed in Morris county were doubled in 1952 over 1951 soil efforts.

The 1952 program resulted in 508 farmers participating, compared with 374 in 1951. Pasture seeding was increased 300 per cent over 1951; terracing, 228 per cent; sod waterways, 200 per cent; and building earthen dams, 180 per cent.

I WONDER HOW THAT STARTED . . .

"A rabbit's foot is good luck"

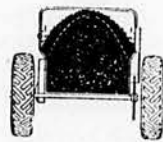
This saying started in ancient times when the rabbit became proverbial for rapidity with which it multiplies—so became a symbol of fertility. Feet and footprints were mystic symbols in ancient folklore as most sacred part of the body. Also, rabbit became known for his cleverness in outwitting enemies. The left hind foot is luckiest it's said, particularly if from a rabbit that has run in a graveyard!



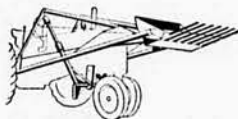
BIGGER LOADS and BETTER SPREADING



That's why a **NEW IDEA** is a good idea!



Wider Upper Cylinder and Tapered Bed: No choking or bunching — manure feeds back freely to Wide-Spread Distributor.



NEW IDEA-HORN LOADER: Makes a short easy chore of manure handling and many other heavy loading and lifting jobs. Types to fit wide range of tractors — 10 labor-saving attachments.

Those flared side-boards on a NEW IDEA Spreader make a labor-saving and time-saving difference! Make loading so much quicker and easier, either mechanically, or by hand. Make room for extra fork-fulls in the wider-top wooden box. Make it possible to haul a lot higher load — with least loss along the road.

Every load is a bigger pay load! Even partially frozen chunks are chewed up fast by 100 staggered beater teeth. That famous widespread distributor quickly shreds toughest manure down to best soil-building size. Handy levers permit positive control of coverage.

For sure shredding, plus wide, uniform spreading — more fertility value to boost your yield per field — you'll find a NEW IDEA by far the best idea. But there's many another reason why it's the world's most wanted spreader. Ask your NEW IDEA dealer about this largest ground-driven spreader.



No. 15 PTO Spreader
125 Bu. Capacity

Now, a **NEW IDEA power take-off Spreader** that provides constant power to give you positive spreading control. Heavier steel framework lined with select pine; bigger tires on tapered roller bearing wheels; large upper cylinder and heavy duty distributor... engineered to handle actual 125 bushel loads.



Mail coupon today for free folders!

NEW IDEA SUBSIDIARY
FARM EQUIPMENT CO. **AVCO** MANUFACTURING CORPORATION

Dept. 793, Coldwater, Ohio

Send free folders as checked:

- | | |
|---|--|
| <input type="checkbox"/> No. 15-A PTO Spreader (125 bu. capacity) | <input type="checkbox"/> No. 14-A Spreader (65 bu. capacity) |
| <input type="checkbox"/> No. 12-A Spreader (90 bu. capacity) | <input type="checkbox"/> Lime Spreader Attachment |
| <input type="checkbox"/> No. 10-A Spreader (75 bu. capacity) | <input type="checkbox"/> New Idea-HORN Loaders and Attachments |
| <input type="checkbox"/> "Barnyard Manure" Booklet | |

Name _____

Address _____

MID-CONTINENT DEALERS

Abilene.....Farmers Grain Exchange
 Abilene.....Gordon Mark Elevator
 Albert.....Farmers Mill & Elevator
 Alexander.....Farmers Co-op Oil & Supply Co.
 Almena.....G. H. Graham Elevator
 Alton Osborn Co. Farmers Un. Co-op Assn.
 Andale.....Andale Farmers Co-op Co.
 Argonia.....Norris Grain Co.
 Arlington.....Co-op Exchange
 Asherville.....Asherville Grain Co.
 Assaria.....Olsson Elevator
 Atwood.....Niswonger Hay & Grain Co.
 Augusta.....Furlong Hatchery
 Aurora.....Aurora Co-op Assn.
 Barnard.....Barnard Grain Co.
 Barnes.....Barnes Co-op Assn.
 Bavaria.....Continental Grain Co.
 Bayaria.....Farmers Elevator Co-op Co.
 Bellaire.....Derby-Howard Grain Co.
 Bell Plaine.....Custer Grain & Seed Co.
 Belleville.....Sis Seed & Fertilizer Co.
 Beloit.....Seymour Packing Co.
 Belvue.....Belvue Grain Co.
 Bentley.....Bentley Elevator
 Beverly.....Beverly Grain & Feed Co.
 Bigelow.....Bigelow Grain & Feed Co.
 Bird City.....Kemp Elevator
 Blaine.....Northrup Seed House
 Bloomington.....Farmers Union Elevator
 Blue Rapids.....Ralph's Market
 Brewster.....Coffey Grain Co.
 Brownell.....Skaggs Grain Co.
 Buhler.....Buhler Produce
 Burr Oak.....Burr Oak Grain & Feed Co.
 Bushton.....Bushon Grain & Supply Co.
 Caldwell.....Farmers Co-op Grain Co.
 Caldwell.....Johnson Produce
 Canton.....Canton Elevator Co.
 Carlton.....Farmers Union Co-op Assn.
 Chapman.....Chapman Grain Co.
 Chase.....Chase Co-op Union
 Cheney.....Midwest Grain Co.
 Cimarron.....Flowers Feed & Seed
 Clay Center.....Crane Produce
 Clay Center.....Farmers Union Co-op Assn.
 Clay Center.....Gordon Mark Elevator
 Clearwater.....Kansas Milling Co.
 Clifton.....Farmers Union Co-op Shipping Assn.
 Collyer.....Collyer Co-op Assn.
 Concordia.....Seymour Packing Co.
 Corinth Osborn Co. Farm. Un. Co-op Assn.
 Council Grove.....Burton's Feed & Seed
 Council Grove.....Council Grove Grain Co.
 Council Grove.....J. L. Saunders Milling Co.
 Courtland.....Scholtes Seed & Feed
 Courtland.....Courtland Grain & Feed
 Crawford.....Rodney Milling Co.
 Damar.....Continental Grain Co.
 Delphos.....Thurston Produce
 Delphos.....Wilkins Grain Co.
 Densmore.....Gome Lumber, Coal & Grain Co.
 Derrance.....Farmers Co-op Elevator Co.
 Dorrance.....Hubbs Produce
 Downs Osborn Co. Farmers Un. Co-op Assn.
 Downs.....Voss Grain & Seed Co.
 Dundee.....Midwest Grain Co.
 Dwight.....Dwight Feed & Seed
 El Dorado.....Home Grain Co.
 Ellis.....Belt Co-op Assn.
 Ellis.....E. C. Wyatt Grain Co.
 Ellsworth.....Central Kansas Mill & Elev. Co.
 Elmo.....Elmo Elevator Co.
 Emporia.....Kansas Soya Products
 Emporia.....Teichgraber Milling Co.
 Eskridge.....Duff Produce
 Fairbury, Nebr.....Fremont Milling Co.
 Fontana.....Wilson Grain Co.
 Formosa.....Formosa Elevator
 Geneseo.....Geneseo Grain Co.
 Glade.....Quanz Grain Co.
 Glasco.....Campbell Seed House
 Glen Elder.....Farmers Union Elevator
 Goodland.....Terminal Grain Co.
 Grainfield.....Robinson Milling Co.
 Great Bend.....Farmers Grain & Supply Co.
 Greenleaf.....Farmers Co-op Elevator Assn.
 Greenleaf.....Greenleaf Grain & Feed Co.
 Greenleaf.....Hogan & Son
 Greensburg.....Farmers Grain & Supply Co.
 Grinnell.....Continental Grain Co.
 Grinnell.....Co-op Union Mercantile Co.
 Gypsum.....Moore Grain & Lumber Co.
 Gypsum.....Stevens Sellards Hardware
 Halstead.....Farmers Co-op Grain & Merc. Co.
 Hanover.....Perry Farm Service
 Hanston.....Farmers Co-op Grain & Supply Co.
 Harlan.....Harlan Elevator
 Hartford.....Kansas Soya Products Co.
 Haviland.....Farmers Co-op Co.
 Hays.....Continental Grain Co.
 Hays.....Farmers Co-op Assn.
 Haysville.....Haysville Elevator & Supply Co.
 Herington.....Wilkinson Grain Co.
 Hesston.....Hesston Mill & Elevator
 Hiawatha.....Lambert & Dickerson
 Hiw City.....Morrison-Gregg-Mitchell Grain Co.
 Holsington.....Jim Barrett Grain Co.
 Holton.....Farmers Union Co-op Business Assn.
 Holyrood.....Holyrood Co-op Grain & Sup. Co.
 Home.....Roy Lewis Seed Store
 Hope.....Russell Hardware
 Humboldt, Nebr.....Cooper Seed Co.
 Hutchinson.....Reno Consumers Co-op Assn.
 Idana.....Idana Grain Co.
 Independence.....Star Mill Co.
 Industry.....Winters & Son
 Irving.....Irving Elevator
 Isabel.....Farmers Co-op Equity Co.
 Jewell.....Claude Reynolds Elevator
 Jewell.....Seymour Packing Co.
 Junction City.....Bowman Implement Co.
 Junction City.....Continental Grain Co.
 Junction City.....Morrison Grain Co.
 Kensington.....Levin Brothers
 Kingman.....Morton Feed Store
 Kinsley.....Kinsley Co-op Exchange
 Kiowa.....Bowersock Mill & Power Co.
 Kiowa.....O. K. Co-op Grain & Mercantile Co.
 Kipp.....J. Lynch & Co.
 Kirwin.....Farmers Union Co-op
 La Harpe.....La Harpe Farmers Union
 Langley.....Rodney Milling Co.
 Larned.....Paunce County Co-op Assn.
 Lebanon.....J. L. Falton
 Lebo.....Lebo Grain Co.
 Lenora.....Lenora Mercantile Co.
 Lincoln.....Farmers Elevator
 Lincoln.....Lewis Co-op Co.
 Lincoln.....Lincoln County Co-op Produce
 Lincolnville.....Farmers Union Co-op Assn.
 Little River.....Thompson Produce
 Logan.....Logan Farmers Union Co-op Assn.
 Logan.....Logan Grain Co.
 Long Island.....Long & Reed Co.
 Lorraine.....Lorraine Grain, Fuel & Stock Co.
 Lucas.....Continental Grain Co.
 Maize.....Maize Mills, Inc.
 Manhattan.....Central States Seed Co.
 Manhato.....Jewell County Implement Co.
 Mankato.....Mankato Hatchery
 Mankato.....Farmers Union Elev.
 Mankato.....Seymour Packing Co.
 Marquette Co-op Farmers Union Elevator Co.
 Marysville.....Standard Milling Co.
 Meade.....Co-op Elevator & Supply Co.
 Medicine Lodge H. W. Skinner Gr. & Lbr. Co.
 Melvern.....Melvern Hardware
 Mentor.....Mentor Elevator
 Miltonvale.....Smith Feed & Grain Co.
 Minneapolis.....Farmers Elevator Co.
 Minneapolis.....Minneapolis Grain Co.
 Morganville.....Farmers Co-op Elevator Assn.
 Morrill.....Morrill Elevator
 Morrowville.....Continental Grain Co.
 Mount Hope.....Farmers Co-op Elevator Co.
 Mullaville.....Equity Exchange
 Nurka.....Nurka Grain & Feed Co.
 Natoma.....Huxman Produce
 Navarre.....Farmers Union Co-op Assn.
 Ness City Farmers Co-op Grain & Supply Co.
 New Cambria.....Continental Grain Co.
 Niles.....Rickett Grain Co.
 Norton.....Ralph Reich Grain Co.
 Oak Hill.....Pyle Elevator Co.
 Offerle.....Offerle Co-op Grain & Supply Co.
 Osage City.....R. W. Sturdy Grain Co.
 Osborne Osborn Co. Farm. Un. Co-op Assn.
 Ottawa.....Cannady Supply Co.
 Oxford.....Oxford Elevator
 Palco.....Stull Grain Co.
 Pawnee Rock, Farm. Grain Fuel & L. S. Co.
 Peabody.....Peabody Co-op Equity Exchange
 Phillipsburg.....Frans Feed & Seed

THE GREATEST NAME

THE ORIGINAL



GRO-COATED

®
BRAND

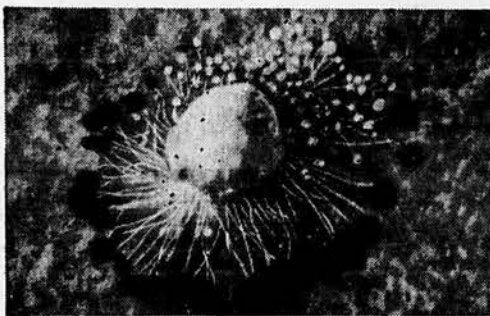
FARM

**YOUR EXTRA INSURANCE
AGAINST CROP FAILURE**

Our famous GRO-COATED Brand Seed is your greater insurance against crop failures, especially during cold, wet, unfavorable growing seasons. GRO-COATED Brand protection is more than a mere chemical treatment. The genuine GRO-COAT formula is an exclusive combination of various special fungicides that kill seed-destroying organisms. An added Growth Stimulator is designed to produce heavier and stronger root growth. Tests show that 2½ times as many plants from GRO-COATED Brand Seed when compared with unprotected seed. For extra insurance of a good crop this year... insist on GRO-COATED Brand Farm Seeds.

**THE MOST ECONOMICAL FARM
SEED THAT YOU CAN PLANT**

Farmers all over the Midwest report excellent results from their GRO-COATED Brand Seed... many say they would willingly pay over 10c per pound more for GRO-COATED Brand than unprotected seed! Seed treatment for wheat, oats and corn has long been recommended by Agricultural Authorities. Now all kinds of seed can be protected without injury to seed. Gro-Coated legume seeds can be protected without injury to seed, and they can be successfully inoculated also. Our tests show more nodules on plants grown from inoculated Gro-Coated seed. Many farms report better stands from lighter rates of seeding. So, to get the most out of your seed dollar... insure you plant GRO-COATED Brand.



SEED DESTRUCTION

This unprotected Ladino Clover seed was once a healthy seed. It is being destroyed by seed rot organisms. It can never produce a plant.



GRO-COATED BRAND SEED

Healthy GRO-COATED Brand Seed has been protected from seed-killing organisms and is just starting to produce a healthy plant.

**GRO-COATED
BRAND
PROTECTS
AGAINST
DISEASE**



SEE YOUR NEAREST GRO-COATED Brand SEED DEALER

Both, Mid-Continent Seeds, Inc., of Salina, and Standard Seed Co. of Clarinda, are processors and distributors of famous GRO-COATED brand seeds, which are sold by the many dealers listed in this advertisement. Locate your nearest GRO-COATED Brand Seed Dealer and pay him a visit. He knows his seeds and is well equipped to serve you. Ask him for special circulars and latest information on different crops. Learn how you can get better assurance of good stands... that's what you want from the seed you buy! Insist on the best! Remember, GRO-COATED Brand Seeds were the FIRST chemically protected seed to be nationally and extensively developed... Laboratory tested and farm proven for over four years! Be sure... be safe this spring with GRO-COATED Brand Seeds, sold exclusively by your Mid-Continent and Standard Seed Dealer.

MID-CONTINENT SEEDS, INC. SALINA, KANSAS

Phillipsburg.....Phillips County Grain Co.
 Plainville.....Farmers Elevator
 Portia Osborn Co. Farmers Un. Co-op Assn.
 Pratt.....Pratt Equity Exchange
 Pretty Prairie.....Coons Produce
 Quinter.....Continental Grain Co.
 Quinter.....Quinter Co-op Assn.
 Ramona.....Ramona Co-op Elevator Co.
 Randall.....Randall Farmers Co-op Union
 Randolph.....Seymour Packing Co.
 Red Cloud, Nebr.....Holmstrom Grain
 Republic.....Seymour Packing Co.
 Republic.....Republic Grain Co.
 Republic.....Seymour Packing Co.
 Richmond.....Farmers Co-op Mercantile Society
 Riley.....Riley Feed Store
 Rolla.....Ernest Kneller
 Roxbury.....Moore Grain & Lumber Co.
 Russell.....Norris Grain Co.
 Sabetha.....Ruse & Dornes Seed House
 Saffordville.....North Grain Co.
 Saint Francis.....Salina
 Salina.....Salina
 Scandia.....Scandia
 Scott City.....Scott City
 Seneca.....Seneca
 Solomon.....Solomon

IN FARM SEEDS

GENUINE

GRO-COATED SEEDS!

AGRICULTURAL AUTHORITIES RECOMMEND PLANTING TREATED SEED

Many state college authorities and agricultural experts now fully endorse seed treatment. "Iowa Farm Science" (Jan. 1951), published by Iowa State College says: "Losses from many plant diseases can be avoided by following simple practices: Always plant treated seeds to get better stands of healthier plants." No. Dakota Ag. Col. 1950 Bulletin No. 376 is entirely devoted to seed treatment. Treatment of grains, alfalfa, reed canary grass and other grasses is strongly recommended. These are just a few of the many agricultural authorities who recommend seed treatment. When ordering your seed this year be sure you get the original, genuine GRO-COATED Seed.

COMPLETE LINE OF GRO-COATED BRAND FARM SEEDS

Agricultural seeds can now be protected and your Mid-Continent and Standard Dealers have complete lines of seeds. All Gro-Coated Brand. Ranger, Buffalo, Grimm and other Alfalfas. Medium Red, Alsike, Hubam and other Clovers. Trefoil and Ladino, Fescue Grass, Brome, Red Top, Orchard, Timothy and many others. If he does not have it all in stock, he can get it for you quickly. This is true also of Gro-Coated Brand Seed Corn having exceptional performance records. Three main maturity groups. Blue Seal Processed Oats and other grains, Missouri 0-205, Cherokee, Andrew and Reselect Clinton. This seed is vastly superior to average oats and produces far greater yields.

GRO-COATED BRAND MEANS BIGGER PLANTS



Untreated GRO-COATED
The GRO-COATED Brand Alfalfa in this test produced 58% more plants than the same seed not treated.



Untreated GRO-COATED
GRO-COATED Brand Red Clover here produced 87% more plants than the untreated. Many other similar tests.



FREE JUST OFF THE PRESS THE AUTHENTIC STORY OF GRO-COATED Brand SEEDS

Here in actual color photography reproduction is the authentic story of GRO-COATED Brand Seeds. See what causes seed to rot, and see how GRO-COAT protection removes one of the causes for seedling failures. See the effect of treatment on stands. See how the plants from GRO-COATED Brand Seed have longer leaves, taller, strong stems, and a much better and heavier root system. Learn how you can put extra dollars in your pocket by sowing only Genuine GRO-COATED Brand Seed. It's all in our attractive new color brochure. Write for your FREE copy now.



STANDARD SEED CO. Clarinda Iowa

STANDARD SEED DEALERS

- | | |
|----------------|-------------------------------|
| Altoona | Lloyd Elevator |
| Altoona | Altoona Mill & Elevator |
| Angola | Morgan's General Store |
| Axtell | Thompson Feed & Service |
| Baldwin City | Hunts Farm Supply |
| Barnes | Barnes Hatchery |
| Beagle | Protzman Lumber & Hatchery |
| Beattie | Farmers Union Co-op |
| Bellville | Roy Blackburn |
| Bendina | Bendina Grain Co. |
| Bern | Lortscher Grain Co. |
| Berwick | Wittmer Grain Co. |
| Blue Mound | Blue Mound Lumber & Hdwe. |
| Blue Mound | Blue Mound Elevator Co. |
| Blue Rapids | E. L. Bigham |
| Bonner Springs | Bonner Springs Feed Store |
| Burlingame | Seymour Packing Co. |
| Burlington | Browning Farm Supply |
| Burlington | Seymour Packing Co. |
| Centerville | Walt Grain Co. |
| Centerville | Centerville Grain Co. |
| Cherryville | Paul Stritzke |
| Coffeyville | Rees' West Side Farm Supply |
| Columbus | Farmers Union |
| Concordia | Seymour Packing Co. |
| Corning | James Graff |
| Denton | Winchester Grain Co. |
| DeSoto | Goodman Grain Co. |
| Easton | Eugene Pamey |
| Edgerton | Edgerton Grain Co. |
| Edna | R. E. Nettleton |
| Effingham | Pinder Grain Co. |
| Elmore | Nelson Hardware |
| Elora | Johnson Elevator |
| Eudora | Farmers Elevator Co. |
| Everest | Geiger Grain Co. |
| Fairview | Derby-Howard Grain Co. |
| Fontana | Wilson Grain Co. |
| Ft. Scott | Leist Feed Store |
| Ft. Scott | Banner Feed Store |
| Gardner | Gardner Grain Co. |
| Gardner | Johnson Seed Co. |
| Garnett | Garnett Elevator Co. |
| Garnett | Seymour Packing Co. |
| Girard | Frazier Produce |
| Goff | Derby-Howard Grain Co. |
| Goff | Seymour Packing Co. |
| Greeley | Greeley Co-op Assn. |
| Greeley | Greeley Hardware |
| Haddam | Mrs. M. Kirkpatrick Produce |
| Hanover | Perry Packing Co. |
| Hawatha | Cowen Implement Co. |
| Hawatha | Lambert & Dickerson |
| Hawatha | Seimer Elevator |
| Hilldale | Moore Farm Supply |
| Hillsdale | Fessenden Grain Co. |
| Holton | Farmers Union Co-op |
| Holton | Holton Green House |
| Holton | Dannenberg Implement |
| Holton | Seymour Packing Co. |
| Horne | Roy Lewis |
| Horton | Allison Hardware Co. |
| Humboldt | Bradford Implement |
| Humboldt | Farm Service Store |
| Huron | Norris Grain Co. |
| Independence | Fraziers Farm Center |
| Independence | Seymour Packing Co. |
| LaCygne | Oberlin |
| LaCygne | Wally Duncum |
| Lancaster | Atchison County Farmers Union |
| Lane | Lane Elevator |
| Lane | Lane Lumber & Hardware |
| Lawrence | Seymour Packing Co. |
| Leavenworth | Foster Feed Store |
| Lebo | Lebo Grain Co. |
| Lenexa | Lenexa Grain Co. |
| Liberty | Kansas Milling Co. |
| Lillis | Derby-Howard Grain Co. |
| Louisberg | Owens Produce |
| Lyndon | Bremer & Stanley |
| Lyndon | Farmers Co-op Business Assn. |
| Lyndon | Seymour Packing Co. |
| McLouth | McLouth Elevator |
| McPherson | Seymour Packing Co. |
| Manhattan | Perry Packing Co. |
| Mapleton | Earl Post Hardware |
| Marion | Seymour Packing Co. |
| Marysville | Seymour Packing Co. |
| Mayetta | Seymour Packing Co. |
| Melvern | Melvern Hardware & Grain |
| Meriden | Meriden Farmers Union Co-op |
| Merrill | Seymour Packing Co. |
| Mound Valley | Morrill Elevator |
| Mound Valley | Johnson |
| Mound Valley | Kilne Hardware |
| Muscotah | Continental Grain Co. |
| Netawaka | Derby-Howard Grain Co. |
| Neodesha | Linn Grain Co. |
| Nortonville | Weishaar Brothers, Inc. |
| Olathe | Walden |
| Olathe | Farmers Union Co-op |
| Olathe | Kansas Soya Produce |
| Omaha | Graham Grain Co. |
| Osage City | Seymour Packing Co. |
| Osawatomie | Osawatomie Farmers Union |
| Osawatomie | Osawatomie Feed & Produce |
| Oskaloosa | Oskaloosa Hardware |
| Oskaloosa | Oskaloosa Feed Store |
| Oswego | Oswego Grain Co. |
| Ottawa | Cannady Supply Co. |
| Ottawa | Ottawa Co-op Association |
| Ottawa | Seymour Packing Co. |
| Ottawa | Farmers Elevator |
| Overbrook | Clyde Moran |
| Ozawie | Keller Produce |
| Padonia | Continental Grain Co. |
| Padonia | D. L. Zeller |
| Parker | Lochart Station |
| Parsons | Hallmark Seed House |
| Parsons | Holt & E. O'Brien |
| Perry | Corpestein Grain Co. |
| Piqua | Piqua Grain Co. |
| Pittsburg | Kelso Seed Co. |
| Pomona | Pomona Feed & Seed Store |
| Powhatan | Derby-Howard Grain Co. |
| Prescott | Farmers Exchange |
| Quenemo | Morris Hardware |
| Redfield | Rainbow Valley Farm |
| Richland | Richland Elevator |
| Richmond | Farmers Co-op Mercantile |
| Richmond | Richmond Elevator |
| Robinson | Farmers Elevator |
| Rossville | Berry Grain & Seed Co. |
| St. George | Buds Service Station |
| St. Paul | Beachner Seed Co. |
| Sabetha | Moore Brothers Hardware |
| Sabetha | Seymour Packing Co. |
| Sabetha | Wittmer Brothers Hardware |
| Seranton | Williamson Produce |
| Seneca | Farmers Elevator Co. |
| Shawnee | Hartman & Son Hardware |
| Tonganoxie | Dale Rawlin |
| Topeka | Seymour Packing Co. |
| Topeka | Sherman Feed & Seed |
| Uniontown | Snyder Company |
| Uniontown | Uniontown Hardware |
| Valley Falls | Murray & Heer Motor Co. |
| Valley Falls | Tobins Hatchery & Produce |
| Vermillion | Derby-Howard Grain Co. |
| Vernon | Farmers Union Co-op Assn. |
| Washington | Seymour Packing Co. |
| Waverly | Powers Produce |
| Waverly | Durov Produce & Feed |
| Wellsville | Rhoda Produce |
| Westphalia | Nolan Grain Co. |
| Westmore | Derby-Howard Grain Co. |
| White Cloud | E. Nott |
| Whiting | Whiting Elevator |
| Winchester | Whiting Grain Co. |
| Winfield | Duguld Feed & Supply |
| Zarah | Seymour Packing Co. |
| Zarah | Zarah Grain & Elevator |

Mid-Continent Dealers (Cont.)

- | | |
|------------|-------------------------------------|
| Wakeney | Wakeney Co-op Assn. |
| Wakeney | Wakeney Farmers Co-op Assn. |
| Waldo | Osborne Co. Farmers Un. Co-op Assn. |
| Wamego | Wamego Seed & Elevator Co. |
| Washington | Davidson Grain Co. |
| Waterville | Farmers Co-op Grain Assn. |
| Waterville | Samuelson Feed & Seed |
| Wellington | Newell Feed & Seed |
| Wells | Hart-Bartlett-Sturtevant Grain Co. |
| Wellsville | Dunbar Grain Co. |
| Westfall | Westfall Grain & Supply Co. |
| White City | Morris County Grain Co. |
| White City | White City Grain Co. |
| Wilson | Kyner Elevator |
| Winona | J. A. Cochran, Jr. |
| Winona | Winona Grain & Feed |
| Woodbine | Woodbine Farm. Un. Co-op Exch. |
| Woodstock | Hart Grain Co. |
| Zenda | Zenda Grain & Supply Co. |

- | | | | | | | |
|-----------|----------------|---------------------------------|--------------|----------------------------|----------|---------------------------|
| Produce | Solomon | Henderson & Wood | Studley | Pyle Elevator Co. | Tescott | Tescott Grain & Feed Co. |
| Seed Mill | Solomon | Security Elevator | Stuttgart | Hart Grain Co. | Thibault | Farmers Union Co-op Assn. |
| Grain Co. | Solomon Rapids | Johnson-Thierolf Merc. Co. | Susank | Peter L. Ochs Elevator Co. | Thompson | Hake Grain Co. |
| King Co. | Stafford | Indept. Co-op Grain & Merc. Co. | Sylvan Grove | Farmers Co-op Elevator Co. | Topeka | Sherman's Feed & Seed |
| St. Louis | Sterling | Cooper & Sons | Sylvia | Sylvia Co-op Assn. | Toronto | J. E. Sowder Seed Co. |
| St. Louis | Stockton | Bouche Grain Co. | Syracuse | Syracuse Co-op Exchange | Vesper | Vesper Co-op Assn. |
| St. Louis | Stockton | Farmers Union Elevator | Talmage | Talmage Grain Co. | Wakeeney | Robinson Milling Co. |

Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



A REAL WINTER DISH just right for any day of the week. Tart apples help add flavor. It's something different with brown sugar and tapioca.

Serve Wintertime Specials

APPLES, liver, beef, squash, cabbage and honey... these are the foods we offer for winter days. All are plentiful and delicious served in our home-tested recipes.

Baked Apple Tapioca

2½ cups thickly sliced tart apples	1 cup brown sugar, firmly packed
3 tablespoons butter	¾ teaspoon salt
¼ teaspoon cinnamon	3 cups water
½ cup quick-cooking tapioca	1 to 2 tablespoons lemon juice

Arrange apples in greased baking dish. Dot with butter and sprinkle with cinnamon. Combine remaining ingredients in saucepan and mix well. Place over medium heat and cook until mixture comes to full boil, stirring constantly. Remove from heat. Pour over apples in baking dish. Cover and bake in moderate oven (375°) 20 minutes or until apples are tender. Serve warm or cold with cream or whipped cream. Makes 6 to 8 servings.

Honey Nut Bread

½ cup coarsely chopped nuts	1 egg, beaten
2 cups flour	½ cup honey
3 teaspoons baking powder	½ cup milk
½ teaspoon salt	2 tablespoons melted butter

Add the nuts to sifted dry ingredients. Combine the beaten egg, honey, milk and melted butter. Add to first mixture. Stir until the ingredients are just moistened. Bake in greased bread pan in moderate oven (350°) for 45 to 50 minutes. Makes 25 to 30 slices.

Baked Squash with Pineapple and Sausage

3 acorn squashes	2 tablespoons brown sugar
1 teaspoon salt	1 pound sausage
dash of pepper	6 slices pineapple

Halve the squashes, remove seeds and add salt, pepper and brown sugar. Bake in medium oven for 30 minutes. Fry sausage cakes to half-

done stage to fry out some of the fat. In each squash half, place 2 tablespoons of cubed pineapple and a sausage cake. Return squash to oven and continue baking for 20 minutes or until squash is tender and sausage is well done. Pineapple may be omitted if desired.

Apple Crisp with Coconut

4 apples	½ teaspoon nutmeg
1 cup coconut	½ cup sifted flour
¼ cup water	¾ cup brown sugar
juice of 1 lemon	½ teaspoon salt
	¼ cup butter

Peel, core and slice the apples, then alternate with layers of coconut in a buttered baking dish. Add water, lemon juice and nutmeg. Combine flour, sugar and salt. Cut in butter. Sprinkle this mixture on top of the apple slices and coconut. Bake in moderate oven, (350°) for 40 minutes or until apples are tender. Serves 8. Use less lemon juice if apples are exceptionally tart.

She's a Farmer, Painter, Writer, Collector



SHE PAINTS the Kansas scenes she knows so well. She's a farmer, collector and writer, a Kansan who has grown up with the state.

WABAUNSEE COUNTY residents are accustomed to seeing a tall, gray-haired woman darting about with her paints and brushes. She is Maude Mitchell, daughter of a pioneer Kansas family.

Miss Mitchell, only daughter of Captain and Mrs. William Mitchell, has a wealth of experiences to remember, both those of her own and those of her family. Her father, Captain Mitchell, was a member of the original Beecher Life Company that came west from Connecticut and established a colony in the county. Her father traveled extensively in his early life as a gold miner.

Built by Father

Her ranch home south of Wamego was built around the original house built by her father. She commented, "One of the most interesting things about the house is the dining room. It was formerly the original log cabin built in 1856. The rest of the house was built onto this small cabin." She added, "Our home was one of the stations on the underground slave railway. Father and several of our neighbors worked together to send the slaves northward. There was a small loft over the cabin where the slaves were hidden. I've made it into my studio and often think of its background when I'm painting there."

Mrs. Mary Buzzard, an old friend of the Mitchell family, lives with her. Mrs. Buzzard has been with us since we were a child," she adds. "Cooking is not of my line, so I keep house and let her do the cooking."

She and her 3 brothers operate a 400-acre ranch and since all of the 4 are large folks, the ranch appropriately is titled, "The Big Four Ranch." It is divided into 4 parts now and a large part was inundated in the summer of 1951 by floodwaters. Now the land is again planted to corn, wheat and oats.

In speaking of painting, she says, "I always have had a great interest in it and still have my first paint palette. My mother, an artist herself, tried to develop my artistic talent and made a small palette for me out of a tiny seashell. It is one of my prized keepsakes."

After attending school in Kansas,

Miss Mitchell went East to study art, graduated in 1900 from the art school at Columbia University in New York City. She worked in various art departments until 1912, when she returned to New York again to study, this time at the Art Student's League. "I have painted scenes in New York, Wisconsin, Minnesota, Bermuda, Florida and, of course, Kansas," she remarks. "Many of the pictures in my home are of Kansas."

She studied portraiture while in New York and enjoys working with her subject right before her. Any guest wandering about her country home is impressed by the number of paintings hanging in the rooms. She remembers details about many of them, but admits

Help Wanted!

This world is not so good a place,
I'm told,
As it's supposed to be.
So let us try improving it
In nineteen-fifty-three!
—Fanny Waugh Davis.

she can't recall how many paintings she has done.

Recently, she returned from a trip to Florida and many of her pictures illustrate attractive scenes there. Kansas wheat fields appear in many of her Kansas pictures, as does her home.

She is well-read on a wide variety of subjects, ranging from politics to farming to prison conditions to biography. One of her favorite charities is the Capper Foundation for Crippled Children, the recipient of some of her paintings. At the first art auction for the benefit of crippled children, she gave a great gold and green oil painting of a farm scene in Kansas, which was won by the highest bidder, Governor Frank L. Hagaman, for his Kansas City home.

She doesn't spend all of her time painting for she collects relics of early-day Kansas as she and her parents knew it. She tells many fascinating stories of early days in the state. Her versatility shows itself in her writing of poetry and lyrics. She has written many poems and more than 100 lyrics, many of which have been recorded in Hollywood. Her interests also include sculpture and wood carving, but has little time for either of them right now.

As if painting, poetry and lyrics, collecting historical relics, woodcarving and managing a farm do not keep her busy enough, she travels as much as she can.

Miss Mitchell's paintings are rich and full of color. The subjects of her portraits appear to be real flesh-and-blood people and her landscapes make the viewer want to step right out into the sunshine. She has put her artistic talent into portraying scenes just as

they are with a strong sense of realism in all of them.

A rather energetic farm woman, Miss Mitchell has not been satisfied with "just living," instead has enriched her life and the lives of many others with her paintings and other interests.

Her youthful outlook on life has been the key to her happy and contented life. Her eyes twinkle, her step is buoyant, her laughter rings, she's happy!

Shop for orlon, the new man-made fiber when buying new curtains. It holds its shape well, resists sunlight, heat and gases.

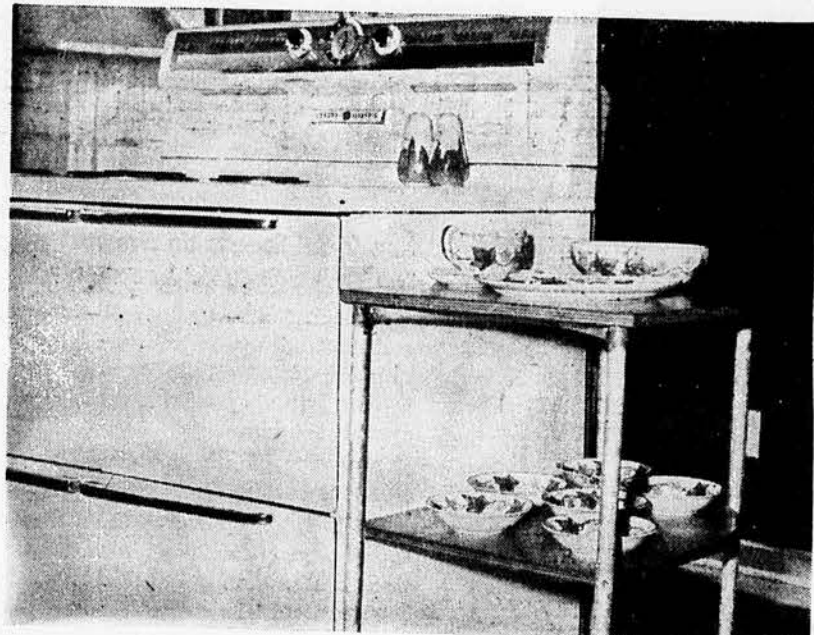
Dresses and Aprons

Interested in the best house dresses and aprons? Then order the up-to-date bulletin by the Bureau of Human Nutrition and Home Economics entitled, "Dresses and Aprons for Work in the Home." It gives pictures, drawings and descriptions of many types of both dresses and aprons. Send 5 cents to the Home Service Editor, *Kansas Farmer*, Topeka, Kan.

PICTURES TELL THE STORY



THIS SERVICE CART in the home of Mr. and Mrs. C. G. Steele, Jr., Washington county, becomes part of the storage space when not in use. (Pictures by Dick Mann)



HERE THE CART is rolled alongside the stove, ready to receive food dishes. Mrs. Steele uses the lower shelf for desserts and the top for other hot dishes.



WHEN LOCATED next to the table, the service cart becomes handy for serving. Also note magazine rack at left. Rack is attached to back of an exposed range in U-type kitchen.

Useful Leaflets

- Rules of Order for Women's Club Meetings, 3c.
 - How to Make Introductions. Etiquette leaflet, 3c.
 - Quantity Foods. Menus—recipes for church dinners, banquets, 5c.
 - Handy Quilting Frame. Directions with sketch, 3c.
- Address your order to Bulletin Service, *Kansas Farmer*, Topeka, Kan., and it will be given prompt attention.

NEWS TO YOU?

A graham-cracker pie shell, which requires no baking, is easy to make, tastes and looks good. Here is the recipe: Roll 15 graham crackers and mix with one-third cup melted fat and one-third cup sugar. Turn into a pie pan and pat into a solid, smooth shell.

The thimble was invented in Holland about the year 1100. Called "thumb-bell" because it was originally worn on the thumb, the first thimbles were made of leather, bone or metal. When introduced into England, thimbles were silver and gold, while France preferred them of porcelain.

People in the U. S. drink more coffee than all other people in the world. We average more than 2 cups a day for each person. For adults alone the figure would be much higher.

An empty aspirin box is just right for the razor blades you may want to keep in your sewing box.

To give a white appearance to yellowed nylon garments, bluing in the final rinse water is effective. Bluing disguises the yellow tinge. Tests have shown that various household bleaches have little or no effect on yellowed nylon garments. It is possible, however, to somewhat prevent the yellowing by rinsing in bluing water from the time they are new.

As a variation of the ever-popular Ambrosia, alternate slices of bananas with orange slices on each plate. Then top with sugar and coconut. Or make Ambrosia sundaes. Just peel and slice several oranges, cutting each slice into 4 to 6 chunks for easy eating. Mix in sugar and coconut and spoon this flavorful combination over dishes of ice cream.

Dust that collects behind pictures often leaves marks on walls. Thumb-tacks on the back of pictures at the lower edge hold the picture away from the wall so dust does not gather there as readily.

Inventor Gets Patent Makes Gauge for Home Sewer



SHE INVENTS GAUGE AND GUIDE for the home sewer that fits any sewing machine. Note samples in foreground.

"ONE MUST HAVE a lot of determination if she wishes to get a patent," reports Mrs. Tom Underwood, homemaker of Shawnee county. "Inventing something is the first step, but definitely not the last," she continued.

Mrs. Underwood used to work on the farm in the forenoons, then sew in the afternoons. She liked to sew so well she became clothing leader of the Berryton Home Demonstration unit. When she took some lessons herself and made a coat, she became acquainted with the seam guides, but did not find one that suited her completely.

In teaching the other women of the unit, she wondered how all of them could get good seam guides. She turned this idea over and over in her mind with the hope that she could invent a seam guide and gauge all in one attachment.

First she drew a picture to scale, a relative-machinist made several models by filing them out of sheet metal. These she took to a manufacturer who made finished samples. With these she went about the business of getting a patent. This was an ordeal that lasted many months involving much red tape and the clearing up of claims. She finally won on claim No. 12 that the guide was unique.

nally won on claim No. 12 that the guide was unique.

Her present guide and gauge is simple in design and lends itself easily to manufacture in a variety of metals. It fits any sewing machine and is manufactured in limited quantity. During Kansas Free Fair week, Mrs. Underwood demonstrated her little attachment to the public and was encouraged greatly by its acceptance. She has retailing plans underway present.

In Mabel's Attic

If you want good entertainment for a community or club program send for our leaflet, "Up in Mabel's Attic." Five women are required for this playlet which provides a musical program. They should be able to sing at least passably well and one of them play the ukulele, banjo or some similar instrument. Address the Home Service Editor, Kansas Farmer, Topeka. Price \$1.00 a copy.

It Pays To Be

"ON THE ALERT"

Start Your Chicks Right with



Promotes
FASTER GROWTH
Prevents
COCCIDIOSIS

Gives

ward Things You Want



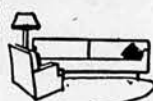
Refrigerator



Things for Children



Vacuum Cleaner



Furniture

Ren-O-Sal Speeds Up Growth!

Even With Vitamin B₁₂ And Antibiotics in Feed

Chickens attain better body development and reach full maturity quicker. They lay up to two weeks earlier...have added vitality, and are in better condition to lay more eggs all season.

Reduces Losses From Cecal Coccidiosis, Too!

In larger doses, Ren-O-Sal prevents spread of cecal coccidiosis in chickens. Saves death, stunting and feed losses. Be "on the alert!" Raise better chickens and more of them...with convenient, popular, low-cost Ren-O-Sal in drinking water, regularly. Buy Ren-O-Sal when you get your chicks or starting mash.

When you need poultry medicines ask for

Dr. SALSBURYS

DR. SALSBUYS LABORATORIES

Charles City, Iowa

Speeds Recovery of Descent Birds!

Helps Put **Vim and Vigor** Into Lazy Hens

Avi-Tab

AVI-TAB stimulates appetites, aids digestion, supplies daily minimum requirement, of more, of needed minerals. Mixes easily in the mash. Be "on the alert" to keep your birds alert and productive...buy AVI-TAB, today!

KITCHEN CHEER



7253

Quick, colorful still-life adds color to your kitchen. Easily embroidered on towels. A set for a shower gift is surely welcome. Do a towel a day to chase kitchen blues away. Pattern 7253 has transfer of 6 motifs 5 by 11 1/2 inches.

Pattern is 25 cents. Address Needlework Editor, Kansas Farmer, Topeka.

Des Moines, Iowa

Stop Taking Harsh Drugs for Constipation

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

Taking harsh drugs for constipation can punish you brutally! Their cramps and griping disrupt normal bowel action, make you feel in need of repeated dosing.

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

Gentle, effective relief

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

Try the new
25¢
size

Money back
if not satisfied

Mail bottle to Box 280, N. Y. 18, N. Y.

DR. CALDWELL'S
SENNA LAXATIVE
Contained in pleasant-tasting Syrup Pepsin

Happy Is The Day When Backache Goes Away

Nagging backache, loss of pep and energy, headaches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages.

Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!

Giant, Brilliant Red CARDINAL ZINNIAS



Brightest Red of all Zinnias
3¢ Big Packet for **STAMP**

A blaze of reddest red! Immense blooms! Hundreds of flowers! Abundant bloom in spite of hot, dry weather and with hardly any care. Easy to grow anywhere. Limit 1 order per customer. Send 3¢ stamp today.

FREE Sensational Big Catalog brings you the newer, finer varieties of vegetables, fruit, flowers. Many pictured in full color.
201 Elm St.,
EARL MAY SEED CO. Shenandoah, Iowa

Save \$2.00 On This Home Mixed Cough Syrup

Easily Mixed. Needs No Cooking.

Cough medicines usually contain a large quantity of plain syrup—a good ingredient, but one which you can easily make at home. Mix 2 cups of granulated sugar with 1 cup of water. No cooking! Or you can use corn syrup or liquid honey, instead of sugar syrup. Then get from your druggist 2½ ounces of Pinex, pour it into a pint bottle, and fill up with your syrup. This gives you a full pint of wonderful medicine for coughs due to colds. It makes a real saving because it gives you about four times as much for your money. Never spoils, and children love it.

This is actually a surprisingly effective, quick-acting cough medicine. Swiftly, you feel it taking hold. It loosens phlegm, soothes irritated membranes, makes breathing easy. Pinex is a special compound of proven ingredients, in concentrated form, a most reliable, soothing agent for throat and bronchial irritations. Money refunded if it doesn't please you in every way.

FOR EXTRA CONVENIENCE GET NEW READY-MIXED, READY-TO-USE PINEX!

GARDENS OF THE BIBLE

"And the Lord God Planted a Garden Eastward in Eden"

ABOUT 200 YEARS AGO a great Swedish botanist, Carl von Linné, devised a system of botanical classification. Altho biographers tell us little about his life, he is said to have been one of the greatest botanists. Strange as it may seem, up to this time no one had investigated the plants that were known to Jesus when he walked among men.

They found and classified 3,500 species of plants in Palestine. This was an amazing accomplishment, since this small country is about 50 miles wide and 150 miles long. To this day, not all the plants have been classified, but men and women of differing faiths still are working.

So many plants grow in Palestine because there is a great variety of climate. Vegetation is equally varied. In the words of an Arabian poet,

**"The winter is upon its head,
The spring is upon its shoulders,
The autumn is in its bosom
And at its feet slumbers the summer."**

In a short trip across the country from west to east one feels the mild climate of the Mediterranean coast, the colder climate of the mountains, then the tropical climate of the Jordan valley.

In the Bible, the first garden mentioned is the Garden of Eden and the first plant, the fig tree. There are those who still speak of the apple as the forbidden fruit but the apple is not mentioned in the Book of Genesis. Apples such as we grow do not thrive in the Holy Land. Botanists differ, some saying it was the apricot, others the orange.

Trees of Field

In your Bible reading, you may have noticed the phrases, "the trees of the field," and "the trees of the Lord." The trees of the field bore fruit or nuts and man had to care for them. According to the old law found in Deuteronomy 20: 19, 20, the trees of the field could not be destroyed in time of war.

On the other hand, "trees of the Lord," were the forest trees, the oak, pine, aspen, the green bay, the willow, the cedar of Lebanon.

A certain flower flourished in the deep, broad valleys among the thorny shrubs and pastures of the desert. Christ compared it with the gorgeous robes of Solomon. Botanists say it was not a lily but the anemone.

"The desert shall rejoice and blossom as the rose." This flower is mentioned twice in the Bible and is translated from the Hebrew as "bulb." Terms were general, not specific and flowers were all wild. It is understandable that "lilies of the field" was a general term. But it is well established that flowers such as crocus, narcissus, hyacinth, jonquil, larkspur, salvia, star of Bethlehem and others grew in the Holy Land.

Herb gardens were important to the ancients. Of special interest is mention of the "bitter herb" in connection with the story of the Passover. Botanists now think it was endive, a popular, modern day salad green that becomes bitter when old.

Sage Included

Sage is a Bible plant. As a seasoning it's only a guess, not with pork we may be sure, certainly not by Old Testament cooks. It is said the sage plant with its arching branches, inspired the first artisan to use it in designing the 7-branched candlestick, the one of pure gold described in Exodus 25:31, 40.

In Song of Solomon, gardens are mentioned 3 times, one reading, "a bed of spice." Spices were used in religious rites for embalming and for sprinkling the tapestry bed coverings.

Garden of Gardens

In the New Testament, there is a garden described in the Gospels as that "garden of gardens, Gethsemane." Christ chose a garden as his favorite place for prayer and as Luke, the apostle records, "as he prayed there, an angel appeared and strengthened him."

The pomegranate the "fruit of fertility" was of great importance to people in Bible times, first as food, then drink and as a decorative design.

No tree is more closely associated with the history of man and the development of civilization than the olive.

It is abundant in every part of the Holy Land and thrives in sections of our country. This tree especially is dear to us because it grew in the garden of Gethsemane and of its Sidney Lanier wrote so touchingly, "But the olives they were not blind to Him, the little gray leaves were kind to Him." "There is a legend told about the "manger hay" that bears retelling. It seems that Joseph went into the field on that Holy Night and gathered wisps of dry hay, stubble and herbs which had been killed by the frost. At the exact hour when Christ was born these plants put forth their sweet blossoms. So all of them were called "holy hay." For many years people believed it

would cure their diseases if they kept these plants in their homes. Among the plants was what is now known as baby's breath. It grew wild in Palestine as it does in eastern United States and the little flowers are cross-shaped. Our cultivated baby's breath is beautiful and as lovely as the legends that surround it.

Facts About Bread

If you are storing bread in the refrigerator under the impression it will keep fresh longer, you're in error. Bread, say research workers in the bureau of human nutrition and home economics, gets stale quickly at refrigerator temperatures. Room temperature is better, unless you actually intend to store it for a length of time in the home freezer.

The POET'S Corner

Friendship Is the Trump

All the scores that we make,
As we play at life's game,
Will be added to prove
Who has won in the end;
And the point that counts most,
When our winnings we claim,
Is the trust we have built
In the heart of a friend.

If the cards turn up wrong
And our rivals are keen,
Then sometimes we may find
We have "slipped in the hole,"
But bidding for friends
On true friendship will mean
That we hold the high trump
To win life's worthy goal.
—Clyde W. Miller.

Ghost Writing

I write my friends long letters
Without paper, pen or ink,
And fill each letter full of all
I do and dream and think.
My friends return the favor
By writing as I do.
I'm not surprised my mail consists
Of only bills. Are you?
—By Alice F. Blackwood.

The Weaker Sex!

My feminine helpmate has no strength at all.
She clings to me knowing I won't let her fall . . .
I carry all packages, heavy or not.
She can't lift or push, and must not get too hot.
As weak as she is, I can't understand
How she screws on a lid with that dainty hand
Till I have to make use of a wrench from the car
Getting her home-made pickles out of the jar.
—N. B. Middleton.

The Heart of the Home

We can supply readers with free copies of the complete booklet, "The Heart of the Home," prepared by the American Heart Association. It includes work simplification, time and motion studies and many photographs taken inside the model kitchen built with the heart patient in mind. This kitchen is ideal for the well homemaker, too. It will give her the luxury of extra time and energy for other activities. Write for a free copy to the Home Service Editor, Kansas Farmer, Topeka, Kan.

ROSES IN BLOOM



Filet-crochet dolly No. 7609 in rose design is 30 inches across in size 30 crochet cotton.

Pattern is 5 cents. Address Home Service Editor, Kansas Farmer, Topeka.



Vocational Agriculture

By HELEN ANKENY



MEMBERS of Minneola FFA chapter and their instructor, Curtis Patton, are planning to use 2 city lots for some experimental work with hairy vetch and Austrian winter field peas. They plan to test both crops in hopes of finding a legume that will do well on a loam type soil. According to Carlin Lewis, their FFA reporter, farmers in that area will be watching the experiment with interest since they are quite concerned with finding a legume that will benefit summer-fallow land.

Another project Minneola Future Farmers plan on carrying the coming year includes making FFA signs with the chapter's name on them for locating just outside the town on all the state highways. In addition, they will plant plum thickets in native pastures for wild life refuge and cover.

The new Vocational Agriculture building at Paradise was initiated by members of that chapter by holding their parent-son banquet in the completed building. Previous to the banquet, advisor W. L. Obley and his FFA boys initiated 13 Green Hands.

Fame came to the Altamont Future Farmers and their Vocational Agriculture instructors, C. D. Bennett and I. E. Siegenthaler, when "March of Time" recently sent 2 men photographers to the Labette County Community High School to film scenes in the Vocational Agriculture department and the Future Farmers' farming programs. Altamont, with 128 members, has one of the largest chapters in the state, if not the largest.

One of the community projects being carried out by Berryton Future Farmers and their advisor, Thomas G. Morris, is landscaping the grounds surrounding their new school building. They seeded bluegrass and set out shrubs.

Winfield Vocational Agriculture students and their instructors, Ira Plank and John Lowe, are going to enjoy the fine new half-million-dollar vocational building. The farm mechanics shop is 48 by 128 feet, and is equipped with a 5-ton traveling crane for handling heavy equipment. It also contains a supply room, paint and wash room, locker and shower room. Just outside the door is a large court to park farm-shop jobs.

In other parts of the agriculture building are food processing rooms designed for community work as well as some economics work in high school. The building contains a butchering room with cooling room, equipped to hold 12 beeves at a time, and a deep-freeze room. There are 2 classrooms, each equipped with small offices for teachers and a Future Farmers room. The FFA president will have a desk in the room, which also will house the FFA library and supplies including chapter paraphernalia.

Buhler Community Chest is richer by \$306 due to efforts of Buhler Future Farmers, who canvassed for the drive. The canvass was supervised by Ad-

visor J. A. Johnson. Future Farmer Gary Rayl acted as chairman. Clifford Schmidt, freshman in Vocational Agriculture at Buhler, recently got back more than he bargained for in the way of profit from a registered heifer which he purchased at the Paul Paney's dispersal sale. The heifer recently dropped twin calves.

Senior boys of Palco Future Farmer chapter plan to attend the National Western Livestock Show in Denver, January 16, with their transportation, room and board paid by the local chapter. They will visit the Denver Post, Swift and Company, Gates Rubber Company, and the Union Stockyards. All Palco senior FFA boys are on the high school football team, which is one of the few in the state that is unbeaten.

Nine-thousand bushels of seed wheat were cleaned this past fall by Rose Hill Future Farmers with their portable seed cleaner. Their instructor, John T. Nace, supervised the job. Altho Rose Hill Vocational Agriculture department was established only in 1951, the students are doing a fine job in their work. Shop projects this year so far include 10 metal feed bunks, 2 wood feed bunks, gates, stock rack for a pickup 3 cattle hay feeders, a bolt storage rack, and 12 rat bait boxes.

Carl Stauffer and his Future Farmers, at Wakefield, raised 300 broilers which they marketed in December.

Shawnee Mission FFA chapter officers prepared and manned a float at a football game on their home court just before election. The float encouraged adults to register so they could vote. Its theme was, "We Can't Vote," and showed a prisoner, an alien, an illiterate, an insane person and a non-registered citizen.

To keep up with farming programs of all Vocational Agriculture students in their school, each boy belonging to the Quinter FFA chapter is taking pictures of his program, and each week new pictures are shown on the school bulletin board. W. O. Breeden is instructor.

Solomon Future Farmers netted \$365 from their annual FFA senior carnival. The gross take was \$665. Solomon FFA boys also sponsored a tractor-driving contest as part of the program recently for the Lions Club Community Day.

A new addition has been added to Williamsburg Vocational Agriculture shop. The original shop 34 by 34 feet now is 74 by 34 feet. Several pieces of new equipment have been purchased including a post drill, tilting arbor saw, jig saw, 6-inch vise, and a combination Saginaw drill and vise.

Williamsburg FFA chapter has 100 per cent membership. There are 32 boys enrolled in Vocational Agriculture and all are members of the chapter. Earl Anderson is FFA advisor. The chapter recently purchased a Crest-

wood tape recording machine which they are using to record farming program talks, classroom discussions, FFA meetings and for examination reviewing. Money from the chapter fund was used to buy the recorder.

According to Keith Lauer, reporter, Chapman FFA boys and their instructor, A. E. Engle, recently completed a project of landscaping which consisted principally of planting cedars and junipers at the football field.

A father-son pheasant hunt, sponsored by Ensign Future Farmers, netted 56 pheasants. The birds provided delectable eating for guests at their Parent-Son banquet on November 12. The banquet cost was held to 40 cents a plate by this method and thru co-operation of the members and instructors of Ensign homemaking education class who prepared the meal. R. Nathan Massey is Vocational Agriculture instructor and FFA advisor at Ensign.

Marysville Future Farmers and advisor, J. L. Jacobson, recently assisted a local service club in making a footbridge for a roadside park on U. S. Highway 36. Dick and Bill Miller from Hebron, Nebr., recently transferred their membership to the Marysville FFA chapter.

The new, all-concrete Vocational Agriculture building at Alton is nearing completion and it is expected it will be ready to move into sometime this January. It is a 50- by 70-foot masonry block structure with a concrete roof and will house a classroom, shop, washroom and storage room. It will be complete with all new tools and equipment as all of the old was destroyed by fire last January. Robert Barnes is Vocational Agriculture instructor at Alton.

Kingman Future Farmers are enriching their treasury thru purchase of 10 gross of pencils with the name of their school and chapter printed on them which they are selling to high school students. Two pencil machines have been purchased to help sell the pencils. One has been placed in the library and one in the vocational agriculture building.

For a long time we have had a desire to talk about a pet peeve. We dislike use of the term "vo-ag" for Vocational Agriculture. It seems a poor way to describe the fine work being done in Vocational Agriculture departments, and loses a lot of importance attached to the work of Vocational Agriculture.

How many people, outside of those acquainted with the program, will know what you are talking about when you use the abbreviation, "vo-ag"? I suggest we use the correct term so people will understand what we mean.

And now that I've aired this opinion, I want to wish one of the finest groups of instructors and students in the world a "Happy New Year," and also to say that I believe there isn't a more cooperative people to be found anywhere than the Vocational Agriculture instructors and Future Farmers in Kansas.

Students studying Vocational Agriculture at Ulysses have made application to the Kansas FFA Association for a charter for their newly-organized FFA chapter. Officers elected were Bert Casey, president; John Ladner, vice-president; Earl Fort, secretary; Joe Garrison, treasurer; Doakes Howard, reporter; Don Williams, sentinel. Harold Mast, Vocational Agriculture instructor, will serve as FFA advisor.

Tonganoxie Future Farmers began their school year last fall in a new Vocational Agriculture building. The classroom is 24 feet wide by 40 feet long, while the farm shop is 40 feet wide and 60 feet long. The shop contains several new pieces of equipment and tools. Thirty boys are enrolled in Vocational Agriculture at Tonganoxie. Mervin McKinsey is instructor.

Former Kansas 4-H'er Breeds New Turkeys

A former Kansas 4-H Club member from Geary county is aiding the Midwest poultry industry with research work at University of Minnesota.

Robert Shoffner, outstanding poultry exhibitor and judge during his 10 years as a 4-H member in Kansas, recently was featured in a farm magazine article about his turkey breeding work. The article stated, "Breeder's are within a few years' work of 3 new birds which may make the business more profitable." Shoffner's cross-breeding work is based on his studies at University there, and from his student days at Kansas State College. He says he developed an interest in poultry breeding research while majoring in poultry husbandry at Manhattan. He is a staff member of the Minnesota poultry department.

In 1937 Shoffner was one of the 4 Kansas delegates to the National 4-H Club Encampment, Washington, D. C. This trip, won on a basis of superior leadership, highlighted his 4-H career. At Kansas State College he was active in Collegiate 4-H Club, served as president of Master 4-H Club, honorary organization for trip winners.

Another Good Cow

John C. Oswald, Rotherwood Jerseys, R. 3, Hutchinson, is the owner of a registered Jersey cow that has recently completed a Herd Improvement Registry production record of 10,046 pounds of milk containing 574 pounds of butterfat at the age of 4 years and 3 months.

The official record was made by Zanthra's Pat of Oz, and her tests were supervised by Kansas State College for The American Jersey Cattle Club, Jersey breed registry organization located at Columbus, O. In terms of a production record made at a mature age of 6 years on a twice-daily milking, 305-day basis, this record is equivalent to 10,528 pounds of milk containing 602 pounds of butterfat.

BREAK UP local CONGESTION of KIDS' CHEST COLDS

Relieve Coughs—Aching Muscles Sore Throat

Child's Mild Musterole—made especially for kiddies—is recommended by many baby doctors. Musterole speedily relieves coughs, sore throat, chest colds. It instantly starts right in to break up congestion in nose, throat and upper bronchial tubes.

Musterole creates highly medicated, protective warmth on chest, throat and back bringing long-lasting relief!

There's also Regular and Extra Strong Musterole for adults.

Child's Mild

MUSTEROLE

COMING, NEXT ISSUE . . .

Since 1928 Master Farm Homemakers have been selected by Kansas Farmer. The new class of 6 members will be announced in the next issue, February 7. These outstanding farm women have been selected with the aid of Kansas State College Extension Service for their fine families, contributions to good community life, excellent home management, their interest and influence in local, state, federal and world affairs. They will be honored together with other members of the Master Farm Homemakers Guild during Farm and Home Week, February 3, at Manhattan.

Fitting Jeep to Fight Farm Fires Sold Community on Better Equipment



EQUIPPING this Jeep for fire fighting started Harper community on road to real rural fire protection. Economical equipment used here would be wise investment in fire protection for every farmer, points out Chief Walt Isenhower of Harper Fire department, shown in driver's seat.

"WITH \$40 and some ingenuity, every farmer could have some real fire protection. Trouble is, we don't stop to think about those things until our house is burning down around us," points out Chief Walt Isenhower of the Harper fire department.

The chief's concern over adequate farm fire protection came as a result of his work with the municipal force at Harper. Time after time, it fell his lot to tell a distressed farmer calling to plead for help in saving his burning buildings that regulations prohibited taking city equipment to fight fires outside the city limits. The reason is obvious—removing fire protection from the city invalidates that community's fire insurance. In addition, with heavy hose required for city use, those trucks aren't able to travel at high enough speed to efficiently tackle rural fire fighting. "But when a man's about to lose everything he owns in a blaze, he isn't in any mood to listen to reason, and I can't blame him!"

Chief Gets Action

The 4 township area centered around Harper had been talking about farm fire protection for some time, but there was nothing to bring the groups together and start definite action. Chief Isenhower knew a regular rural fire truck would soon pay for itself thru

lower insurance rates, but concrete action was needed to get the ball rolling.

The chief was determined to have something to answer those rural calls, so he organized the thing on a strictly volunteer basis. With a little ingenuity and \$40, from his own department's budget, he equipped a Jeep. He knew full well the outfit was far from the answer to rural fire protection. Its pump, off a spray rig, will handle 40 gallons per minute, where adequate is 500 gallons. The Jeep carries a 250-gallon trailer behind for water, no chemicals. The Jeep has the advantage over city trucks of being able to pump in motion, so important in fighting prairie fires.

Top speed with the Jeep is 40 miles per hour—too slow to answer rural calls. The pump can also draft 20 feet straight up and with its fair length of inch hose, water can be drawn from a nearby source. Water has to be free of particles that might clog the pump, however.

Harper firemen man the unit on a voluntary basis and payment for the service is on a voluntary basis, too. Setting its fire stopping value would be difficult, but it has put out 6 fires so far.

Getting the Jeep did the trick in selling the need for fire protection to the

township officials. A new rural truck designed for fighting rural fires, including such features as pumping in motion and high road speeds, has been ordered and will soon be headquartered at Harper. As Chief Isenhower points out, with today's roads and modern equipment, rural fire fighting can be practical. In Sedgwick county a recent report showed a total of 1,500 successful rural stops with their equipment and trucks roll right along 16 miles in 16 minutes.

Chief Isenhower also emphasizes the value of fire equipment right on the farm. We know now that fire fighting doesn't require a lot of water. Spraying a fog reduces water damage and is more effective in cutting off air that keeps a fire going. Not much pressure is needed either to reach a 2nd floor. A small pump and available water supply, such as the chief mounted on the Jeep, kept ready at all times for action could save many a costly farm fire before it even reached proportions to require large-scale equipment.

New 4-H Award

An award honoring former 4-H Club members has been set up by the National Committee on Boys and Girls Club Work for 1953.

This will be known as the National 4-H Alumni Recognition Program, says G. L. Noble, director of the committee. It will pay tribute to former 4-H members whose records of good citizenship

Friendly Party Plans

Would you like to have a house warming party for a neighbor or friend? Our leaflet, "A House Warming Party," includes game and entertainment suggestions, as well as refreshments. We can send you a copy upon receipt of request and 3c postage to Entertainment Editor, Kansas Farmer, Topeka.

are traceable to ideals and principles learned in 4-H Club work.

All previous programs have been designed to honor and assist active members or local clubs, and to further training to volunteer leaders.

"Those who are close to 4-H have long felt such a program would be fitting," Noble said. "Almost every adult who has been a 4-H member acknowledges the worth of 4-H in fostering personal growth and development. We believe the new recognition award will encourage former club members to continue their interest in 4-H."

Donor of awards for the 4-H Alumni Recognition Program is Matheson Chemical Corporation of Baltimore, Md. Adults selected as county winners will receive alumni award certificate while state winners will receive plaques. The 4 men and 4 women chosen for national honors will be given a key and a trip to the annual National 4-H Club Congress in 1953.

MAKING A ONE-MAN JOB



OVERHEAD GAS heaters replace hovers in B & M Broiler Co. houses, Emporia. Operators claim chicks make better use of floor space and can be seen at all times, which makes it easier to check their condition. Here you see a thermostat for the overhead gas heaters. It is placed at the opposite end of the pen from the heater as they can get.



AUTOMATIC FEEDERS and trough waterers are installed as chicks grow older. Proper labor-saving equipment allows one man to care for a larger number of chicks and cuts labor costs.

No. 5 in Series of farm biographies of agricultural "greats" . . .

HUGH N. McALLISTER

Hugh Nelson McAllister was a founder of one of the first land-grant institutions in America, also was a chief supporter of the Land Grant Act of 1862. He was born on his father's farm in Lost Creek Valley, Juniata county, Pa., on June 28, 1809, and died May 5, 1873, at Philadelphia.

He graduated from Jefferson College, Canonsburg, Pa., in 1833. In 1835 he was admitted to the bar. Though engaged in extensive law practice all his life he never lost interest in agriculture, in which he was employed until he left home for college. He bought a farm about the time he began to practice law and all his life gave personal direction to its activities. He gave time, means and influence to organization and conduct of state and county agricultural societies.

In 1855 he was one of the incorporators of the Farmers' High School of Pennsylvania (now Pennsylvania State College), one of first U. S. institutions to carry into practical effect ideas underlying the great system of education by colleges of the Land Grant Act of 1862. When the act was signed July 2 of that year, much of the credit for its passage went to Hugh McAllister. He also was one of the early advocates of applying results of science to practical agriculture.

The Farmer's Daughter Invades "All Men" School

Women Enjoy State Ag Course

STUDYING agriculture at Kansas State College appeals to many Kansas farm daughters, women students from other states, too.

Among the 961 students in the school of agriculture are 7 co-eds. Five are majoring in floriculture and ornamental horticulture. Sue Friesen, Colby, likes animal husbandry and De Etta Clark, Lawrence, is an agronomy major.

The 5 horticulture majors are: La Vonne Campbell, Conway; Marlene Schroeder, Holyrood; Marion Alice Rogers, Manhattan; Diane Blackburn, Stafford, and Kathleen Brubaker, Dunsmuir, Ariz.

Kansas Farmer for May 19, 1951, and May 3, 1952, brought you other stories on women ag students, how they breeze thru all the kidding they take.

Mrs. Friesen thinks the agricultural school is right one for a farmer's wife. Don Friesen also is a senior ag student.

His wife and Miss Clark are the only 2 of the group of 7 who have not lived on a farm, but always wanted to. Miss Blackburn is taking electives in journalism and hopes to write for a farm magazine on floriculture and ornamental horticulture.

Miss Campbell and Miss Schroeder both hope to own florist shops some day. Miss Clark has her eyes on a research job on high-altitude farming in Bolivia. Miss Brubaker wants to work for a flower grower,



then some day to become a homemaker.

Miss Blackburn was elected Queen of the annual Ag Barnwarmer dance in 1951, became horticulture reporter for the Kansas Agricultural Student magazine.

Lovers of the soil and growing things, all plan to make effective use of their new knowledge in agriculture, whether it be as homemaker or out in the "used-to-be" male-dominated "ag" world.

Children May Have Heart Disease, Too! But It Can Be Prevented

By CHARLES H. LERRIGO, M.D.

"BUT I THOUGHT heart disease was confined to grown-ups?"

By no means. It is more evident in grown-up people; it meets a fatal termination more often with them; but it is all too common a disease among children. As a matter of fact, the cases of heart disease in adult persons, when they have reached the stage where they are both recognizable and perhaps incurable, probably have their beginning in childhood. Had they been recognized in those days, they might have been cured. The childhood trouble was not very grave, perhaps. It lay dormant thru many years. But as the cares of adult life increases the strain upon the system, the heart weakness became evident and the breakdown followed.

Here are some things for parents to remember about heart disease in children. Every one of the so-called "diseases of children" are taxing upon the heart. This is true of measles, whooping cough, influenza, tonsillitis, scarlet fever, and especially so of rheumatism and St. Vitus dance. If your child is ill with any such complaint, he should be kept to his bed until he is well. It is difficult to keep a child in bed after the worst of his illness is past. He begins to improve and straightway clamors to get up. He wants to play. He wants to go outdoors. He may even want to go back to school. It is the wise parent who, instead of pleading with the doctor to let the child hurry back to school, recognizes the greater importance of complete recovery. Especially is this

true if your physician sees any indication of that disastrous ailment of children known as rheumatic fever.

When the child does get back again, after an illness of any duration, he should be restrained from excessive activity for weeks, perhaps months. This applies to children of all ages. I remember a case in which I was urged to grant an early release of quarantine because the patient was a star runner and greatly needed in his school track meet. To put such strain upon a heart that had just fought its way thru illness would be suicide. But the boy and his mates were greatly grieved at the "hard-boiled" doctor.

Do not forget that one rather common trouble of childhood that may lead to heart disease is neglect of decayed teeth. If your child is to have a good heart keep his teeth in sound repair.

This Will Help Feed Storage Situation

Radcliff Silo Company, Inc., with general offices in Topeka, and manufacturers of famous "White Top" Interlocking Stave Silo announces opening of another manufacturing plant at Ste. Genevieve, Mo.

J. H. Radcliff, president, states he has completed negotiations with Lawrence W. Donze, Ste. Genevieve, Mo., for purchase of property and buildings located at Jefferson and Front Streets in Ste. Genevieve. The new factory will assist the Boonville, Mo., plant to supply the demand for permanent upright silos in eastern Missouri and western Illinois. Mr. Radcliff explained this was just another step in his expansion program designed primarily to expedite delivery and erection of silos.

This expansion will make Radcliff Silo Company the largest silo manufacturing company in Missouri, with factories at Boonville, and Topeka.

Benjamin Held, who has been a representative of the company 10 years, has been appointed district sales manager of the Ste. Genevieve factory, and will continue the dependable sales and service policies in effect with the organization for 40 years.

PHILGAS*

The low cost fuel for tractors

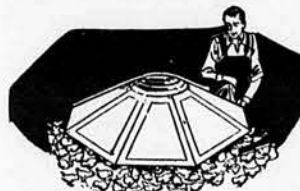


Have your Tractor Converted Now... to clean, economical Philgas. Conversion can be made quickly at a surprisingly low price. Get full details from your Philgas distributor!

Save Two Ways With This Cleaner Low-Cost Fuel!



Philgas for Cooking is clean and dependable. It's especially processed to maintain constant temperatures and high heat content.



Philgas for Chick Brooders gives even heat under the canopy. Storms won't cut off your heat because your fuel supply tank is right in your own back yard.

Find out how Philgas saves you money per gallon on fuel, and on maintenance. It costs less than other fuels. And it's clean! So there's less oil contamination and less engine deposits on rings and valves. The result is fewer costly overhauls, smoother operation and more working hours for your tractor engine.

And along with big savings you get smooth, anti-knock performance. This low cost high-octane fuel gives you plenty of power for the heaviest pulls.

Get all of these special advantages. Have your present tractor converted to Philgas, or if you plan on buying a new tractor be sure to investigate one that's factory made for Philgas.

Philgas has uses all around the farm. From a central storage tank, refilled occasionally from your Philgas distributor's tank truck, Philgas can supply your needs—refrigeration, gas clothes dryers, milk can sterilizer heaters, water heating, stock tank heating, and many other uses all around the farm.

Call your Philgas distributor today!

*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

"Know-How" Counts

"Hay Is What You Make It," new service bulletin issued by the Armco Steel Corp., Middletown, O., is available for you by writing Farm Service Editor, Kansas Farmer, Topeka. No charge. The 12-page illustrated booklet covers such subjects as how to reduce hay losses, operation of hay-drying equipment, basic building requirement, cost of drying hay. "Know-how" pays off.

GOOD FARMING PAYS



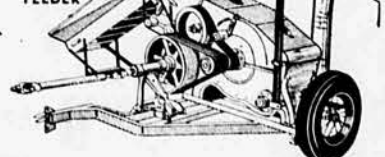
NEW COMBINATION
Famous Western Sprocket Packer and New Western precision built Seeder. Reasonably priced. Combines two operations in one. Pays for itself in saving seed, especially alfalfa, clover or any Grass Seed, sown mixed or separately. Even, accurate seeding of all seeds.

Seed drops, ahead of Packer and is pressed firmly into soil by both Packer and Mulcher wheels. Leaves surface mulch without grooves. Helps prevent washing and crusting. Holds the moisture. Gives every seed best chance to grow. Seeder mounted or removed quickly. Write for full information on combined unit of Seeder or Packer separate.

New BEAR CAT

Grain and Roughage Mill also Ensilage Cutter

with Adjustable Drop-Apron FEEDER



Trailer Mounted for Power Take-Off
Furnished either with or without drop apron feeder and power take-off with trailer as shown. Grinds any feed, green, wet, or dry, snapped or ear corn, roughage bundles or baled flakes, with ordinary farm tractor, and no monkey business. Has both cutter knives and heavy swing hammers.

Get full information on this real honest-to-goodness grinding outfit. Four sizes available. Write

Western Land Roller Co., Dept. 134
Hastings, Nebraska—Manufacturers

BEST INVESTMENT I Ever Made!



Aluminum FLEX-O-SEAL Portable Irrigation Pipe

Built to last, yet light in weight! Flexible, pressure-tight coupling, eliminates need for elbows or tees on rolling ground. Quickly assembled. FLEX-O-SEAL helps you get the most out of your land... bigger yields, better quality. Can pay for itself the first year. Aluminum or Galvanized in 3, 4, 5, 6 or 8-inch diam. Write for FREE folder and name of nearest dealer.

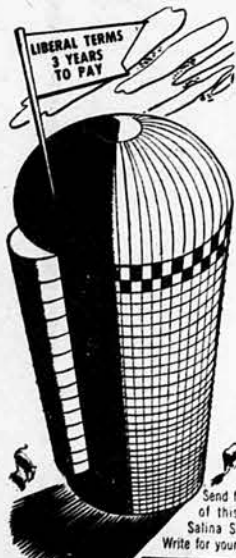
CHICAGO METAL MFG. CO.,
3736 S. Rockwell St.
Chicago 32, Illinois

Your Best Crop Insurance...

SILAGE makes extra profits for you!

SALINA CONCRETE STAVE

SILO



Prepare now to make extra profits by feeding silage next winter. Save all you raise! A SALINA SILO pays for itself in a few short season's use. Write for facts today!

NO DOWN PAYMENT REQUIRED

Save up to \$50 with cash discounts

FREE Send for your copy of this illustrated Salina Silo Booklet. Write for your copy today.

SALINA CONCRETE PRODUCTS Company
1104 W. Ash Salina, Kansas

Rules Followed on Porter Farm Bring Good Results in a Hurry

By MIKE BURNS

HOGS ARE GIVING the Max Porters, of Cawker City, their start in farming. Mr. Porter, a veteran trainee, bought 8 gilts in the spring of 1950 and already is getting 400-pound litters. They didn't just happen either.

Of the 8 original females, 5 were purebred Spotted, bought as weanling pigs, 3 were a cross of $\frac{1}{2}$ Minnesota No. 2, $\frac{1}{4}$ Minnesota No. 1, and $\frac{1}{4}$ Spotted and Duroc cross. A Minnesota No. 1 boar weighing 100 pounds at 12 weeks was also purchased.

In every case, the Porters had a head start. They bought only where records had been kept. They have continued to buy only where record keeping is standard practice and they keep detailed accounts themselves.

Last year, they farrowed 17 litters, had 148 pigs and lost only 7—those in a snowstorm. Their aims are a 10-pig litter average and quicker gains. They're making real progress, too, thru proper management, selection and feeding.

How Progress Is Made

Progress of Porter hogs runs something like this. Of first crop of pigs, best litter numbered 10 pigs weighing 340 pounds at 56 days. Next crop, the best litter was 9 pigs weighing 378 $\frac{1}{2}$ pounds. Third crop record was set by a gilt, the daughter of a No. 1, bred to a Duroc, with 11 pigs weighing 414. Fourth crop honors went to a sow bred to a No. 1. She weaned 8 weighing 412. Best pig weaned so far was out of a $\frac{5}{8}$ No. 1 and Spotted cross, and weighing 62 pounds.

To start, Porters had all clean ground, never having raised hogs on the place before. Fences and hog buildings were all new. They are carrying thru with maintenance of this sanitation by rotation of pastures with each farrowing, and about every other practical measure known.

Farrow Twice Yearly

So far, Porters farrow twice a year, first farrowings as early as January 15, using heat lamps. Fall litters are planned to start August 1, 18 were to farrow this fall. All sows are hand bred. They used farrowing crates or actually farrowing stalls last year for first time. Just to give stalls a try, Mr. Porter cleaned out concrete floored poultry house, put in 5 stalls just using 2 by 6's across the width of the house and spaced to leave room for each sow. Sows went in stalls on 110th day, were fed 4 pounds ground alfalfa per day until farrowing. On concrete, they were easy to keep clean and it was easier to get proper feed down them. Result—only 6 pigs lost even with some heavy sows. In 2 to 3 weeks sows and litters were running together on clean pasture. Porters plan to build regular crates with walkways around them to make handling easier. Crates also will fit portable houses for fall farrowings.

Pastures get a lot of attention in the Porter program. Being developed are 6 lots of 5 to 6 acres each, 3 on west for fall litters and 3 on east, nearer electricity, for spring farrowings. Pastures are mostly in alfalfa and brome. Some

rye is planned for January and February to cut down early rooting up by hogs of slower starting grasses.

Getting feed into pigs before weaning is what counts, the Porters believe. Milo, "Aureomycin dirt"—.3 pound Aureomycin in 100 pounds common soil—and synthetic sow's milk are creep-fed starting about as soon as pigs are farrowed. The "Aureomycin dirt," tried on an experimental basis, gave excellent results. Some 141 pigs were weaned at 40 to 41 pounds each and they drank milk sooner. A test in fall 1951 showed pigs ate whole milo better than rolled oats, so Porters plan to try a pelletized supplement of about the same size.

Wean Pigs Early

By weaning 9 days early, 9 pigs gained 8 pounds each from weaning to the usual 8-week weaning date. They weighed 324 pounds compared to 300 pounds that would otherwise have been expected of them. Getting the better start thru this critical weaning period means better chances for more uniform, healthier pigs to carry on to market weight, Porters find.

Sows get 4 pounds ground alfalfa hay, 2 pounds grain—mostly milo and all purchased, plus a pound of protein, self-fed. Protein goes from 1 to 9 to 1 to 7 as farrowing time nears. Pigs are self-fed and watered, to market at 6 months, averaging 241 pounds.

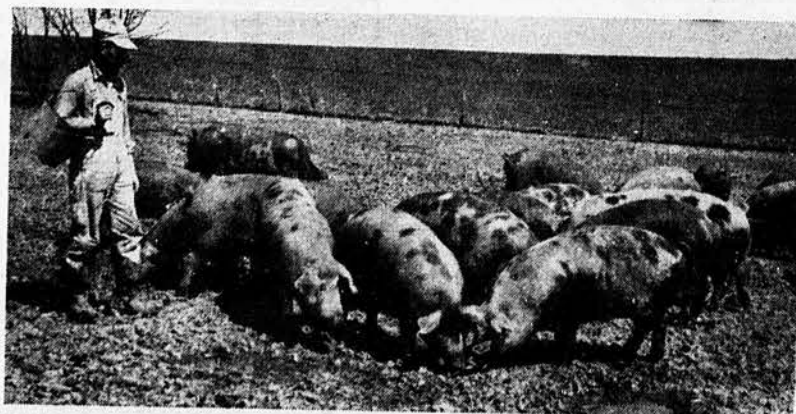
Selection of brood sows starts with parental records. "We only keep gilts from our biggest litters, go mostly on weight records, keep gilts out of heavy litters with 12 teats and promise of good milk production. Length is important. Gilts having these qualities usually have the rest of what it takes," Mr. Porter said.

Porters now have 3 boars—the original Minnesota No. 1, a crossbred, and a Duroc. The Minnesota boar has reached his 4th and last season for the Porters, but he leaves a record of 17 litters totaling 173 pigs this last spring farrowing; just a few were born dead. The Duroc has given good results so far, all of his pigs have been gilts, averaging 10 to a litter. Next experiment will be with a purebred Duroc mated to the Crossbred. She is from a 340-pound litter of 15 pigs. He was sired by a purebred Berkshire, mother was $\frac{1}{2}$ Hampshire, $\frac{1}{4}$ No. 1 and $\frac{1}{4}$ Spotted and Duroc inbred lines. He comes from a 10-pig, 510-pound litter.

With the crosses they now have, Porters don't figure on buying more gilts.

Tell Tricks Used

Not much of a trick keeping track of hogs the way Porters do it. A regular platform scale is used to check weaning weights. They hold a pig, stand on scales and subtract their own weight for weight of pig. Each sow is clipped according to a number system and pig's ears are notched to match. A herd book is kept in which every female has her number and page. Original sow's number carries on thru to her gilts kept for breeding, and full records of farrowings including number, order, weights and disposal are made.



PROPER FEED and the good milkers will do well, Max Porter says, of sows and gilts in describing his selection program.



Fits LETZ Burr Mill Models 220X and 40X; GEHL Mill, Model 41; KNOEDLER Mill, Model KP-7A; M-W, Grain Buster, Model Cand MA-15; J-D Sheller, No. 4-B. Fits most trailer-type P.T.O. Feed Mills, Shellers, etc.



Write for literature - prices. Dept. KFJA.
KOOIKER MFG. CO. HULL, IOWA

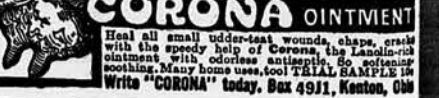


Arch over beaters lets heaped load feed evenly—12 blades spread 10 ft. wide. No drop through. Safety chain tightener stops breaks. Other features.

WRITE FOR FREE FOLDER TODAY!
WINPOWER
NEWTON, IOWA



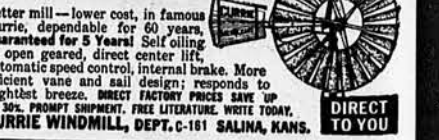
Write for details on low cost hydraulic control for Drawn Implements. Simple to install and low in cost.
FREE FOLDERS ON REQUEST
BAKER MFG. CO. NELICH, NEBR.
HOME OF THE FAMOUS BAKER CONTROL



Heal all small under-test wounds, chaps, cracks with the speedy help of Corona, the famous ointment. Many home uses. Write for FREE LITERATURE today. Box 4911, Kenton, Ohio



Roll and unroll barbed wire with tractor power and speed. Heavy duty slip clutch. Keep wire tight. Collapsible spool. Very low cost. Write for FREE literature.
Dept. 39
MIDWEST WIRE AND STEEL CO.
South St. Paul, Minnesota



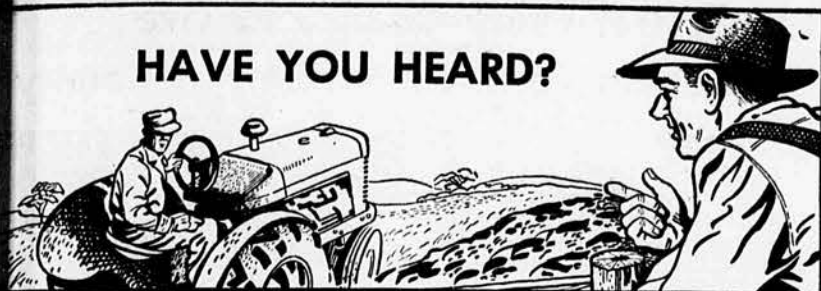
Better mill—lower cost, in famous Currie, dependable for 60 years. Guaranteed for 5 Years! Self oiling or open geared, direct center lift, automatic speed control, internal brake. More efficient vane and sail design; responds to slightest breeze. DIRECT FACTORY PRICES SAVE UP TO 30%. PROMPT SHIPMENT. FREE LITERATURE. WRITE TODAY.
CURRIE WINDMILL, DEPT. C-161 SALINA, KANS.



If you own a forage harvester... You need a Pieck Vacuum Blower, an unloading device for anyone who owns a field-chopper, for hay, wet or dry, and for corn silage. Eliminate pump systems, shoveling, raking, and choked feed tables. Can be used with ordinary farm wagon or truck.
ONE-MAN OPERATION—JUST DRIVE UNDER TUBE AND UNLOAD. Write for details.

KUCKLEMAN IMPLEMENT CO.
SENECA, KANSAS

HAVE YOU HEARD?



Notes on New Products and Folks Who Make Them

COMFORT HEATERS for crawler-type tractors have custom fitting to insure top protection. New models have special improvements: elimination of fly straps or ties under tractor which could be snagged and broken by brush or other obstructions; fold back motor panels for control of engine heat to operator; tension springs to keep cover flat and prevent sagging when motor panels are folded back. Comfort Equipment Co., 2609 Walnut, Kansas City, Mo.

Stock Fount is an automatic, all-weather drinking fountain for stock. Provides warm water all the time. Unit composed of steel cabinet, thermostatically-controlled heater strip and plumbing and wiring connections. Is insulated. International Electric Fence Co., Inc., Caldwell, Ida.

Master-Bilt front-open spray-type milk cooler is announced. Is designed for conventional or pipeline milking systems. Coolers come in 4, 6, 8 and 12-gallon capacity, all double row. Each can

and time, and extra men on ground aren't needed. Silo Unloader unloads corn or grass silage quickly, efficiently, economically. A powerful, 5-horsepower motor delivers more silage faster. Food value of silage is increased, as is milk and beef production. Silage Chipper shreds frozen or packed silage—makes it easy to be eaten.

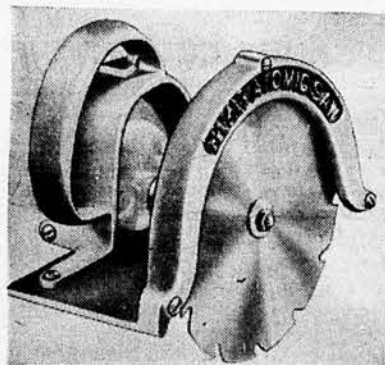
Beal Speed Polisher has a variety of uses — as a cleaner, waxer and polisher. It also can be detached and used for close-up work on furniture and on automobiles. The Polisher uses



the stream of air from any standard tank or canister type vacuum cleaner to turn a turbine-type mechanism. Manufacturer is Beal Speed Polisher, Inc., Portland, Ore.

Titan Model 708 Milk Shed Heater maintains even temperatures also for farm workshop, garage, farmhouse. Therm-O-Dial unit is completely automatic in operation, responds only to changes in room temperature. Titan Mfg. Co., Inc., Buffalo, N. Y.

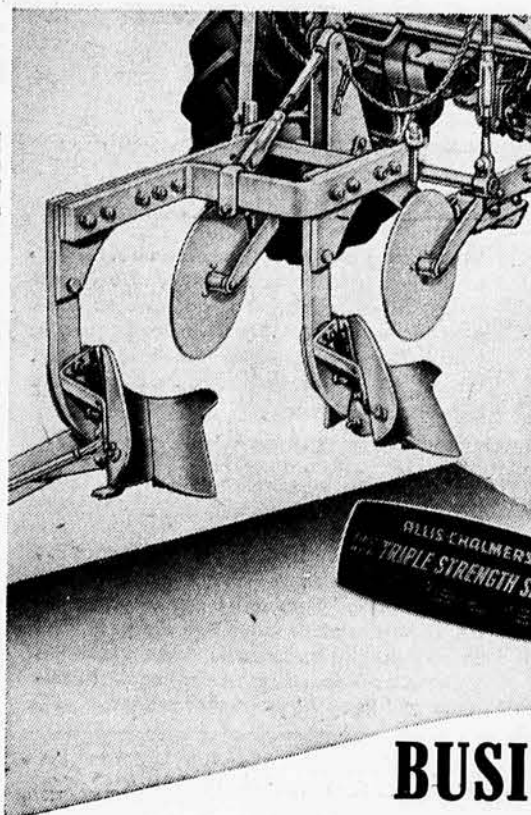
The New "Atomic Saw" is adaptable to any standard 1/4-inch electric drill motor. A product of the Atomic Saw Mfg. Co., N. Hollywood, Calif., the saw is equipped with a 6-inch safety blade which enables the user to rip or cross-



cut a 2 by 4 or 2 by 8 without turning it over. The saw weighs only 2 1/2 pounds, thus eliminates weight fatigue.

Dencolo Calf Puller is useful labor-saver on Jim Low farm, Tarkio, Mo. Strap fits over rump of cow to hold equipment at right height. Chain goes around calf's legs. Jack mechanism pulls chain. No posts or stationary objects needed to anchor to. There's no danger of injury to animal. Puller is lightweight. Calf deliveries are normal, quicker, with no harmful after-effects. Dencolo Corp., 375 E. Pearl St., Denver, Colo.

Gripso Trigger-Matic is a new kind of vice pliers. Press trigger and squeeze handle. Featured are new planar-grip jaws. Can be used as a plier, hand-vice, clamp, nut wrench, or pipe wrench. H. R. Basford Co., 235 15th St., San Francisco, Calif.



TRIPLE-STRENGTH SHARES

1. Full 3/4 inches thick... 20 percent more wear.
2. Gunnel is submerged-melt welded to the share.
3. Extra layer of hard metal on the point.

BUSINESS END of better tillage

Plow and lister shares, sweeps, and cultivator shovels are the real working tools in your tillage equipment.

Allis-Chalmers shares, sweeps and shovels have the strength, toughness and quality to match all A-C plows, bedders, listers and cultivators.

You get extra performance plus precision fit when you use original Allis-Chalmers replacements on your tillage tools.

Accept no less... get the best. Always ask for A-C shares, sweeps and shovels... available only at your Allis-Chalmers dealer.

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

LOOK! Separator BARGAIN



ALL ELECTRIC GEARLESS SEPARATOR
America's Greatest Separator Bargain! New, exclusive streamlined Galloway Electric Console Separator. Ahead in modern design, simplicity and economy. No gears, clutch or oiling. Ball bearing, stainless steel bowl parts. Self-starting electric motor—no cranking. 800 or 1000 lb. sizes. Thousands in use. (Patented.) Big Trade Allowance on any Old Separator.

HAND TURNING OR ELECTRIC

Galloway's famous Masterpiece. Hand turning or electric — 600, 800 or 1,000 lb. sizes. Ball bearing and stainless steel bowl parts. Thousands in use for over 20 years. **BIG TRADE ALLOWANCE** on both Console and Masterpiece Models, brings cost down to almost half regular retail. Write quick while low price lasts. Satisfaction guaranteed.

THE GALLOWAY CO., INC., Dept. 51, Waterloo, Iowa



MOWS PASTURES
SHREDS STALKS
CLEARS LAND

NEW Model 53

B.M.B.

UTILITY CUTTER
Fits all 3-point
Hook-up tractors

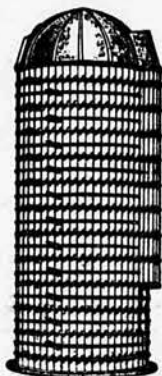
Does Every Cutting
Job Better... Safer

Now! The safest, most efficient cutter on the market. Shreds stalks, crop residue, cover crops; clears sage, buck brush, maintains pastures. 6 baffles removable to fit any cutting job. Cuts 40" or 60" swath, forward or reverse. Built to last; low in price; write for Free folder c/o Dept. KF-1.

B-M-B Company, Inc.

HOLTON
KANSAS

Here's SILO News



INTERLOCKING
STAVE

SILO

Has been manufactured at our Topeka plant for over thirty years. Contact us for latest developments on the ever popular "Interlocking" farm Silo and Industrial bins. When considering silos, think of "Interlock." Delivered from Topeka, Ks., Boonville and Ste. Genevieve, Mo.

Send This
Coupon to
Radcliff...

RADCLIFF P. O. Box No. 83
SILO ☐ N. Topeka, Kansas
Farm Buildings ☐ CATTLE SHED ☐

Name.....
Address.....
Town..... State..... KF

rest universities, have been studying the problem. Now, they announce 2 designs for a heated farrowing barn using an oil-fired forced-air furnace.

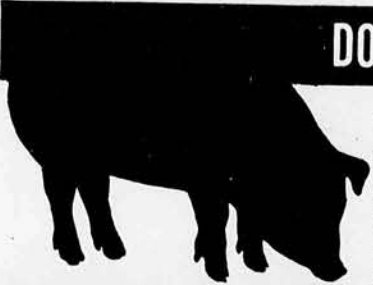
Vandale Farm Machines, Inc., Wayzata, Minn., announce 3 items of interest to farmers. Hydraulic Bale Loader saves hay from shattering by baling and hauling immediately. Is operated from any flat-bed wagon and powered by tractor's hydraulic unit. Saves labor

DO HOGS NEED WORMING?



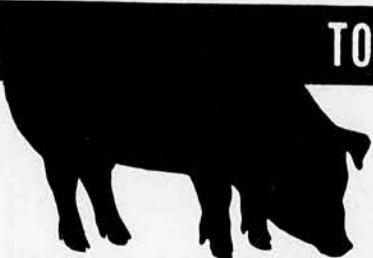
Worms are present in large numbers wherever hogs are raised. They cause heavy losses, often making it impossible to raise pigs at a profit. Worms retard growth, waste feed, and often cause death. A large part of mortality in young pigs is due to worm infestation.

DO HOGS NEED WORMING?



1. Worm brood sows early in pregnancy... not later than eight to ten weeks before farrowing. 2. Worm pigs just after weaning. 3. Worm other swine twice a year (Fall and Spring) or as needed when symptoms occur. In addition, a good program of sanitation will keep hogs free of worms.

TO SAFELY WORM HOGS!



Simply mix Dr. LeGear's Hog Worm Powder with slop or feed... hogs like it and they worm themselves in one day. And there's no danger



of poisoning. Yes, unlike other wormers, Dr. LeGear's Hog Worm Powder is not a poison, it's perfectly safe... Safe in feed... Safe in slop! It's the sure way of making more profits from your hogs for worming regularly helps hogs make faster gains and get to market earlier. Stop letting worms rob you of profits... Start worming your hogs with...

It's Safe DR. LEGEAR'S HOG WORM POWDER It's Sure

HERE ARE JUST A FEW OF THE MANY DR. LEGEAR DEALERS IN YOUR AREA

KANSAS

ABILENE Farmers Grain Exchange	NORTON Raney Drug Store
ATCHISON Snowden-Mize Drug Co.	OBERLIN Anderson & Son
BEAVER Frank Schremmer	OXFORD Oxford Elevator, Bliss & Sons
BELLE PLAINE The Farmers Elevator	PALMER Decker Grain Co.
CLAY CENTER Farmers Union Coop. Assn.	PECK Moore Grain, Inc.
CLYDE LaBarge Drugs	RAYMOND Harrison Grain Co.
COLBY Lowis Drug Store	RUSSELL Dawson's Drug Store
DODGE CITY Dodge City Coop. Exchange	Russell Drug Co.
WARREN JONES Drug Store	SAINT FRANCIS Carpenter & Son
GALATIA Kerst Confectionary	SAINT LEO Spade Store
GIRARD Higley's Drug Store	SAWYER Sawyer Hardware
GREELEY Greely Coop. Assn.	STAFFORD Kane Drug Store
HOXIE Mickey Hardware Co.	SUSANK Peter L. Ochs
HUDSON Bauer Service Station	SYLVIA Sylvia Coop. Assn.
INDUSTRIY Wieters & Son	SYLVAN GROVE Kaempfe Produce
LEAVENWORTH Foster Feed Store	UTICA S. R. Breit Co.
LITTLE RIVER Little River Co-op. Assn.	WELLINGTON Wilcox Produce
LENORA Lenora Mercantile Assn.	WHEATON Kufahl Hdwe. Co.
MULVANE Moore Grain, Inc.	WINONA Winona Hardware Co.
NASHVILLE Nashville Confectionary	ZENDA Leon's Grocery

STOP NUTRITIONAL DISEASES IN POULTRY

Overcome low egg production, run-down, unprofitable poultry... give your birds

DR. LEGEAR'S PLUS COMBINED WITH POULTRY PRESCRIPTION

It's guaranteed* to stop nutritional diseases and, at the same time, it gives your flock the tonic boost needed for healthy appetites and high egg production. See your Dr. LeGear dealer soon and start giving your flock Dr. LeGear's Plus combined with Poultry Prescription.

*Satisfaction guaranteed or your money back.



DR. L. D. LEGEAR MEDICINE CO. ST. LOUIS, MO.

Chicks Get Every Chance to Live On Schrag Farm in McPherson County



JACOB SCHRAG likes the idea of having a water faucet in the laying house. That gives him plenty of water to scrub fountains every day. He is shown here filling a water bucket.

RAISING 1,384 chicks to 6 weeks and losing only 7 was the record set by the Schrag family, McPherson, the chicks delivered late in April of last year. The birds, Ghostly White Leghorns, were fed their first week on starter mash, followed by grower mash and plenty of granite grit. With first production, the birds were brought off range to the laying house and fed laying mash in granule form with whole oats free choice.

Now in hatching-egg production are 463 of the hens, being managed by Jacob Schrag, son of the late Jonas D. Schrag. "We have always given the birds a lot of extra care," Jacob says, "with plenty of room for them in the houses, clean feed and water. We have water piped to the houses and keep electric heaters under the fountains in cold weather."

Dehydrated sugar cane stalks are used for litter. Electric lights are on to give a 13-hour day.

Opens Import of Canadian Meats

Canada will be declared free of foot-and-mouth disease in March, if present favorable conditions continue, according to the USDA.

This action will permit entry of cattle,

sheep and swine from Canada. Other imports include fresh, chilled or frozen beef, veal, mutton, lamb and pork. Restrictions applying to other animal products and hay also would be removed.

U. S. border has been closed since February 25, 1952, when a serious outbreak of foot-and-mouth disease occurred. In 1952, Kansas Farmer brought you several stories on this dangerous livestock malady.

Most recent outbreak of foot-and-mouth was reported from the Island of Martinique, and prohibitive measures were taken on meat and animal imports.

Ice Cream and Milk Institute Elects

Advanced to the presidency of the Kansas Ice Cream and Milk Institute Inc., at annual convention in Wichita, December 12, was Ransom Bennett, Jr., Ottawa. He had served as vice-president.

Other officers named: A. R. Brodine, Salina, vice-president; Ralph Gardner, Garden City, secretary-treasurer; Dale M. Bryant, Wichita, re-elected executive secretary. Added to the board of directors were Herb Curnutt, Wichita, and Chet Fribley, Erie.

SALINE COUNTY GIRL, NATIONAL WINNER



DONNA JEAN BLOOMBURG, Saline county, poses with other national winners in 4-H beautification of home grounds program at Club Congress in Chicago. She won a \$300 scholarship awarded by Mrs. Charles R. Walgreen. Donna Jean has done home grounds improvement for 3 years and has been county champion. This includes cleaning, filling, leveling and planting trees, grass and shrubs. She has appeared in many demonstrations in her county. Laurence Lundstrum is her leader. Donna wears the Kansas sunflower, 4th from left.

No. 8 in a series of interesting facts about Kansas crops . . .

THE STORY OF POPCORN

By GORDON WEST



OF THE 6 KINDS of corn, early-day American Indians grew 5 kinds, including popcorn. Corn was used at religious ceremonies, other events. The Indians had corn with red, blue, pink, black or brown seeds.

What makes popcorn pop? The key to this phenomenon is the large amount of hard starch in the endosperm (nutritive tissue). And when moisture in the endosperm is subjected to heat, starch granules explode violently, and the kernel is turned inside out.

To make sure popcorn will pop, here is a handy hint. Put in a tightly closed jar in the refrigerator for an hour or so before popping. The sudden temperature change just about insures perfect popping.

The Aztecs of ancient times popped corn and used it for food and in special ceremonies, decorating many of their statues with strings of corn. The American Museum of Natural History has some popped kernels in their collections, taken from ancient South American graves.

Contrary to popular belief, not all popcorn varieties are short in growth. One South American variety grows 8 feet tall!

Popcorn as a food in the United States received its biggest boost commercially when movie-goers began to buy bags of corn to eat in theaters. Today, about 3 billion bags of popcorn are eaten annually by Americans.

When Columbus came to America he found the Indians popped corn, wore

strings of it as decorations. There also is a legend that Indians served popped corn to the Pilgrims at their first Thanksgiving feast celebrated in New England.

Popcorn balls are popular everywhere, serve as a good candy substitute. Because of carbohydrates, popcorn is a good "fuel" food.

National Association of Popcorn Manufacturers, Chicago, comments that popcorn has more food energy units than all cooked fish and meats (except very fat meats), all vegetables and fruits, all breads and cakes, all varieties of cheese (except Swiss), and all table beverages, including milk.

Popcorn is the subject of research projects in 12 of the state agricultural experiment stations. There are more than 100 processors and 250,000 retailers of popcorn, from coast to coast.

Last year, popcorn-loving Americans paid 250 million dollars for the product, a record high! This year, farmers in 12 Midwest states will produce 147,800 acres of popcorn. That's 6 per cent more than the 10-year average of 1940-49, and the most acreage devoted to the puffed kernels since 1948.

A new industry springing up over America is the popsorghum industry—a variety of sorghum especially desirable for popped sorghum kernels!

Phillips County Improves Soil Work

Soil work in Phillips county made further progress in 1952.

Another 186 miles of terraces were built in 1952, making a total of 1,112 miles that are helping to protect about 28,000 acres from erosion. Eighteen acres of waterways were established, bringing total to 78 acres since soil conservation district was organized.

Some 737 acres of cropland were seeded to native grass for pasture, making total of 2,900 acres seeded since 1944. Sixty-eight stockwater dams were built, bringing total to 691 dams built since 1945. Five acres of trees were planted in farmstead shelterbelts, making 114 acres of shelterbelts established since district was formed.

RUSH COUNTY GIRL WINS AWARD



FOR OUTSTANDING work in her 4-H Club, Catherine Cain, of Rush county, won national award of \$300 scholarship from Montgomery Ward during national 4-H Club Congress in Chicago. She followed up her interest, by enrolling as a freshman in home economics at Kansas State this fall. Catherine has been successful in baking, gardening, canning, clothing construction and room improvement. She has raised chickens, a grand champion heifer and made improvements in home beautification. She has given many demonstrations and served as junior leader. Catherine is 3rd from left.

CF&I FENCE for FARM and RANCH



THIS BRAND IS YOUR PROTECTION

The brand CF&I on any type of fence is your guide to quality and value. For half a century the name COLORADO has identified fence made by CF&I in the West for Western farms and ranches. You'll still find it at your dealer's—ask for it now by the brand name—CF&I.

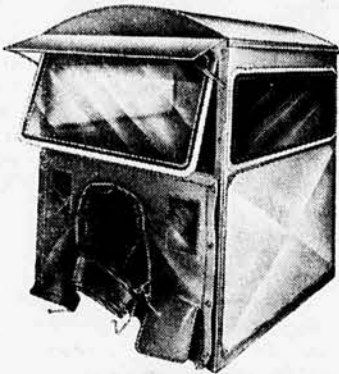
THE CALIFORNIA WIRE CLOTH CORPORATION, OAKLAND
THE COLORADO FUEL AND IRON CORPORATION, DENVER

THE COLORADO FUEL AND IRON CORPORATION



BUY AN AUTOMATIC TRACTORKAB

for Protection
All Around!
TOP BACK FRONT SIDES



ONLY AN **AUTOMATIC** TRACTORKAB
GIVES YOU ALL FIVE:

- Top, side, front and back protection against wind, rain and snow.
- Insulated steel sides and roof.
- Windows set in rubber to fit tightly, prevent chatter and cracking.
- The safety of an all steel frame that may save your life.
- Roof and sides that shield you from hot summer sun and wind.

Automatic Tractorkabs fit over 125 different tractors. Canvas front fits snugly around engine for warmth. Heavy canvas curtain closes back of cab. Both front and back canvas are quickly removed so you can use your cab in summer.

When you inquire about an Automatic Tractorkab be sure to state make and model of tractor.

See your farm equipment dealer **TODAY** or write to us for literature and prices on all of these Automatic products:

TRACTORKAB • CATTLE OILER • HI-JAC
MOUNTED MOWER • STEEL GRASSBOARD
HYDRAULIC DUMP RAKE

Find out about these quality products
TODAY

AUTOMATIC EQUIPMENT
MFG. CORP.
KF-1 2718 Hawkeye Drive, Sioux City 5, Iowa



Thumping
BIG
Yields

Enjoy your own
**Concord
Grapes**
Five Sturdy Plants only
50c
POSTPAID

The all time favorite. Luscious fruit with wonderful flavor for jelly, juice, or eating fresh from the vine. Five sturdy, sure-to-grow plants with years of abundant yields. Limit 1 order per customer. Order today.

FREE Big Colorful Catalog featuring 14 hybrid vegetables... scores of great values... flowers, trees, bushes, plants.

EARL MAY SEED COMPANY
202 Elm St. Shenandoah, Iowa

THE SOIL MOVER!

HYDRAULIC CARRY ALL SCRAPER



FOR CONSERVATION
... IRRIGATION ...
GENERAL FARM
WORK AT
LESS COST!

MOVE MORE DIRT with the soil mover front pick-up—dump backward without stopping. Uses tractor hydraulic system.

There's a **SOIL MOVER** designed for your tractor. From 1 to 3½ cu. yds. capacity—Automatic rear-leveling gate.

7 models to choose from. A proven scraper—built since 1939.

THE SOILEVLER!



OUT PERFORMS
THEM ALL!

LEVEL
OFF!

All fields need leveling regardless. Eliminate potholes—dead furrows, etc. Adjustable rear axle floats—dry or wet fields. 24 ft. long—8 or 10 ft. bucket hydraulically operated. Pulls in 3rd gear with ordinary farm tractor. Heavy pipe frame—7 years field tested.

Buy a real leveller — **THE SOILEVLER**
Write for free literature and name of your dealer.
CONTINENTAL EQUIPMENT CO.
COLUMBUS, NEBRASKA

THE SOIL MOVER CO.
COLUMBUS, NEBR.

COMING EVENTS

January 17—Doniphan county 4-H Club cherry pie baking contest, Troy high school, 9 A. M.

January 19—Coffey county crops and dairy school, at Burlington.

January 19—Elk county winter livestock and marketing school with Wendell Moyer and Ray Hoss of KSC.

January 19—Rush county soil conservation annual district meeting at LaCrosse city auditorium, 7 P. M.

January 19—Linn county soil conservation school with Harold Harper of KSC, at Mound City courthouse.

January 19—Leavenworth county annual soil conservation district meeting.

January 20—Wilson county correlated crop and dairy school with Ralph Bonewitz and Eugene Cleavinger of KSC.

January 20—Brown county Artificial Breeders' Association annual meeting, Hiawatha, Memorial auditorium, 8 P. M.

January 20—Ness county district sheep school, Ness City Legion hall, 10 A. M. to 3 P. M.

January 20—Phillips county leader training school, Phillipsburg courtroom, 10 A. M.

January 20—Cloud county income tax school, Concordia courthouse.

January 20—Doniphan county fruit growers meeting, Wathena, 10 A. M. to 3 P. M.

January 20—Doniphan county Kiwanis cattlemen's dinner with Walter Smith of KSC, speaker, Highland Presbyterian church, 6 P. M.

January 21—Barton county district poultry round-up, egg show and cake contest, Great Bend city auditorium.

January 21—Cowley county winter livestock school with Ray Hoss and Wendell Moyer, of KSC, Winfield, 10 A. M.

January 21—Stevens county 3rd annual soil conservation district meeting at Hugoton Memorial hall, 12:00 noon. Free baked ham and beans dinner.

January 21—Interstate Farm and Home Conference at Coffeyville.

January 21—Kernel analysis conference at Manhattan.

January 22—Butler county beef school with Wendell Moyer and Ray Hoss of KSC, El Dorado, 10 A. M.

January 22—Cherokee county adult leaders training school for community and project leaders and 4-H representatives. All day meeting with Mr. Glen Busset, assistant state club leader.

January 23—Sheridan county Artificial Breeding Association annual meeting, Hoxie, 1:30 P. M.

January 23—Nemaha county small fruits and brambles public meeting with W. G. Amstein of KSC, Seneca, A. M. and P. M.

January 23—Russell county 4-H leader training school with Roger Regnier, assistant state 4-H Club leader, at Russell.

January 23—Kearny county winter crops and livestock school, at Lakin.

January 23—Nemaha county horticulture unit lesson with W. G. Amstein of KSC, at Seneca.

January 23—Ellsworth county income tax school for farmers.

January 23—Woodson county agronomy-dairy school at Yates Center courthouse, 10 A. M.

January 23—Ellsworth county farm income tax school at Ellsworth.

January 23—Pratt county annual soil conservation meeting, Pratt city auditorium.

January 26—Pratt county machinery adjustment school. Pratt 4-H building from 10 A. M. to 4 P. M.

January 26—Ellsworth county orchard spraying and pruning school with W. G. Amstein of KSC.

January 26—Russell county welding school with Walter Selby and Harold Stover of KSC, at Russell.

January 26—Russell county welding school with Harold Stover and Harold Ramsour of KSC.

January 26—Coffey county animal husbandry and marketing winter school at Burlington.

January 26—Rush county winter crops and livestock school with Lot F. Taylor and L. E. Willoughby of KSC, LaCrosse courthouse, 1:30 P. M.

January 26—Coffey county animal husbandry and marketing winter school at Burlington.

January 26—Ellsworth county garden and small fruit school at Ellsworth.

January 26—Ness county annual soil conservation meeting at the Ness City Legion hall, 7:30 P. M.

January 26—National Rural Electric Co-operative Association 11th annual meeting at San Francisco, Calif.

January 27—Sheridan county livestock, crops and marketing school at Hoxie, 10 A. M.

January 27—Butler county crops, diseases and insects meeting with E. A. Cleavinger, Charles King and Dell Gates, of KSC, El Dorado, 10 A. M.

January 27—Barton county Artificial Breeders' Association meeting with Floyd W. Atkeson of KSC, at Great Bend.

January 27—Linn county dairy school with E. Ralph Bonewitz, Leo T. Wendling, and Melvin W. Osburn of KSC, at Mound City courthouse.

January 27—Norton county 4-H leaders training school at Norton Legion hall, 10 A. M.

January 28—Barton county Soil Conservation service meeting at Holsington.

January 28—Cherokee county landscape tour and demonstration with Charles Parks of KSC.

January 29—Phillips county welding school at Phillipsburg high school, 10 A. M.

January 29—Cloud county small fruits and pruning school, at Concordia courthouse.

January 29—Wilson county livestock school with Wendell Moyer and Ray Hoss of KSC.

January 29—Wabaunsee county 4-H leader training school.

January 29—Hamilton county livestock, pasture and insect school, Syracuse court room.

January 29—Brown-Doniphan counties Dairy Herd Improvement Association annual meeting, Hiawatha courthouse at 10:30 A. M.

January 29—Graham county correlated agronomy, livestock and marketing school.

January 29—Wabaunsee county 4-H leader training school at Alma.

January 30—Barton county correlated crops and livestock school and silage show, at Great Bend city auditorium.

January 30—Norton county crops, livestock and marketing winter school, at Norton, Legion hall at 10 A. M.

January 30—Kearny county 4-H home improvement school at Lakin.

January 30—Woodson county livestock and marketing school at Yates Center courthouse, 10 A. M.

January 30—Elk county winter crops and insect school with E. A. Cleavinger, Claude King, and Dell Gates of KSC.

January 30—Osage county dairy school, at Lyndon, 10 A. M.

January 30—Jefferson-Jackson counties joint Dairy Herd Improvement Association annual meeting, Holton, 1:30 P. M.

Profitable Dairying

That's the title of a booklet printed by Union Pacific Railroad giving many valuable tips on care of dairy herds, buildings, milk handling. For a copy, write Farm and Home Service, *Kansas Farmer*, Topeka, Kan. No charge.

February (tentative)—Hamilton county soil conservation annual meeting, at Syracuse.

February 2—Shawnee county livestock production and marketing school with Ray Hoss and Wendell Moyer of KSC.

February 2-6—Farm and Home Week, at Manhattan.

February 3—Poultry Day, Farm and Home Week, at Manhattan.

February 4—Beekeepers meeting, Manhattan.

February 4—Cloud county Soil Conservation Service annual meeting, at Concordia high school.

February 5—Livestock Day, Farm and Home Week, at Manhattan.

February 5—Seward county Hereford show and 4-H judging school, at Hugoton 4-H building.

February 9—Seward county 4-H leader training school with John Hanna, of KSC, People's Bank community room, 10 A. M.

February 9—Brown county soil conservation annual district meeting, Memorial auditorium, at Hiawatha, 7:30 P. M.

February 9—Wabaunsee county poultry school, at Eskridge.

Don't Take a Chance!

HAVE YOU EVER let a frayed electric cord of a lamp "go" instead of fixing it? It's dangerous! Don't take a chance!

February 9—Jackson county winter school with L. E. Willoughby, Dell Gates and Claude King, of KSC, Holton, 2 P. M.

February 9—Wallace county lamb and wool school, at Goodland.

February 9—Cowley county winter dairy school with Ralph Bonewitz and marketing specialists from KSC, Winfield, at 10 A. M.

February 9—Dickinson county Artificial Dairy Breeding Association annual meeting, at Abilene Sterl Hall, 7:30 P. M.

February 9—Rush county garden meeting with William G. Amstein, of KSC, LaCrosse court room, 10 A. M.

February 9—Grant county meeting on use of electrical equipment and silo design with Harold Ramsour and Leo Wendling, of KSC, Ulysses 4-H building, 10 A. M.

February 9-10—Ottawa county consumer education leader training school, Extension room 10 A. M.

February 10—Brown county Northeast Kansas Beef Breeders' banquet and annual meeting at Horton, 7:30 P. M.

February 10—Barber county irrigation school with Walter Selby and Billy Bryan, of KSC, Medicine Lodge, 10 A. M. to 3 P. M.

February 10—Chautauqua county dairy school with Ralph Bonewitz and Raymond Stewart of KSC, at Sedan.

February 10—Linn county crop and livestock school with E. A. Cleavinger and Wendell Moyer of KSC, Mound City courthouse.

February 10—Elk county 4-H officer and leaders training meeting on record books, USDA building, at Howard, 7:30 P. M.

February 11—Elk county winter dairy school with Ralph Bonewitz and Raymond Stewart of KSC, USDA building, at Howard, all day.

February 11—Chautauqua county 4-H leader training meeting with Roger E. Regnier and J. H. Coolidge of KSC, at Sedan.

February 11—Ottawa county Artificial Breeders' Association board meeting, Extension room, 8 A. M. to 10 A. M.

February 11—Doniphan county crops and soil school with L. E. Willoughby, Dell Gates, and Claude King of KSC, Troy, 10 A. M. to 3 P. M.

February 12—Kingman county 4-H recreation training school, at Kingman.

February 12—Brown county crops and soil school, at Memorial auditorium, 9:30 A. M. to 3 P. M.

February 12—Dickinson county district sheep and wool school, at Abilene, Sterl hall, 10 A. M. to 3 P. M.

February 12—Shawnee county poultry school, with M. A. Seaton of KSC.

February 12—Pottawatomie county farm house remodeling and construction meeting at Wamego.

February 12—Comanche county soil conservation annual meeting, Coldwater, 12 P. M.

February 13—Seward county meeting on how to use electricity, with Leo Wendling and Harold Ramsour of KSC, 4-H Club building, 10 A. M.

February 13—Osage county crops and livestock school, at Osage City, high school building, 10 A. M.

FERTILIZERS DID WELL IN 1952



FERTILIZERS ON WHEAT showed up especially well in Eastern Kansas this year. Here Hibbard Taul, of Douglas county, is getting well above 30 bushels an acre. He used 150 pounds of 10-20-0 an acre at seeding time and top-dressed with 100 pounds of 33 per cent ammonium nitrate in February.

Looks as if Four Different Groups Will Work on Farm Problem

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

WASHINGTON, D. C.—Under Dwight D. Eisenhower as head of the U. S. Government, it looks as if at least four different groups will be working on the farm problem. And on what the farm program will be after 1954.

Neither Sen. George D. Aiken of Vermont, chairman of the Senate Agriculture committee, nor Rep. Clifford Hope of Garden City, Kan., the House Agriculture chairman, expect any major change in farm legislation the first session of the 83d Congress. The present support price program, 90 per cent price support for basics, and differing percentages as previously announced for other commodities, extend thru 1954. This by action of the 82nd Congress; by 1952 Republican party platform pledge; and campaign promises of President Eisenhower.

Here Are the Four Groups:

1. The Senate Committee on Agriculture and Forestry.
2. The House Committee on Agriculture.
3. The Agricultural Advisory Committee (to new Secretary of Agriculture Ezra Taft Benson of Utah) recently named from Eisenhower headquarters.
4. The bipartisan Agricultural Commission promised by General Eisenhower and Republican leaders during 1952 campaign. It is doubtful whether the Benson Agricultural Advisory Committee (3) will be accepted as the answer to the Commission promised. The Republican Farm Council, which worked from precinct level up to carry the Midwest farm states heavily for the Republicans is not represented on the Advisory Committee; was not consulted as to the committee personnel.

These Three Carry Weight

Also, still on the outside, are the 3 major farm organizations: The Farm Bureau, the Grange, the Farmers Union. The heads of none of these are on the Advisory Committee. These 3 do not always—well, hardly ever—work in harmony on farm legislation and farm policies. But they carry considerable weight: the Bureau and the Grange especially in Congress; the Union, under James G. Patton, stood high with the run of secretaries under Roosevelt, Truman.

It is a little early to speculate, but a possible solution may be that the Benson Advisory Committee will work with Benson primarily on departmental reorganization. And later the bipartisan Agricultural Commission will be named, with more representation for farm organizations and Republican Farm Council on it.

It may develop that the Advisory Committee was intended to be sort of interim organization to assist Benson in the department reorganization. And, again, it may be decided this is the Agricultural Commission. First guess looks more likely at present, with at least 5 or 6 of the Advisory Committee named on the Agricultural Commission.

The Advisory Committee (3) is predominantly "co-op" and trade. That is understandable. Both Eisenhower and Benson consider the best approach to permanent farm prosperity is thru the marketing approach. And marketing is thru trade channels; the co-operatives are mainly concerned with marketing of farm commodities and products.

Men Are High Class

Like Eisenhower's Cabinet and other high-post appointments, it is admitted that men on the advisory group are high class, big caliber, with business or government (or both) experience behind them.

Outstanding among the 14 on the committee are:

William I. Myers, dean of the College of Agriculture of Cornell. Myers came

to Washington with the Hoover Federal Farm Board; was retained by FDR, but returned to Cornell after a few years—the FDR policies went too far "left" to suit him. He is recognized as a top agricultural economist; is a director of several corporations, former chairman of the board of the American Institute of Cooperation.

John H. Davis, who succeeded Benson as secretary of the National Council of Farm Cooperatives, is vice-president of the National Wool Marketing Corporation. He also has been in and out of the Department of Agriculture.

Jesse W. Tapp, now vice-president of the Bank of America, San Francisco, spent years with the Department, known as a marketing expert, has been recalled frequently as a consultant.

Carl Farrington, years of experience with the Department, rated one of the best grain experts and administrators ever with PMA.

D. W. Brooks is general manager of the Cotton Producers association, Atlanta.

Three of the members are high-ups, respectively, of the major farm organizations: Romeo Short, American Farm Bureau vice-president, head of Arkansas Rice Growers' association; Harry B. Caldwell is Master of the North Carolina State Grange; Chris Millus is president of the Nebraska Farmers Union—generally considered a right-wing member of the FU.

Not to be overlooked in farm matters is Dr. Milton S. Eisenhower, president of Pennsylvania State College; one of Brother Ike's selections as the "Big Three" on entire Government reorganization.

Farm Problem Returning?

That the farm problem is on its way back—arriving perhaps—generally is recognized by now.

Recent report from the Department of Agriculture showed that exports of farm products for October were valued at \$263,700,000, a 17 per cent gain over September, but 25 per cent below exports in October, 1951. This marked the fourth consecutive month in which farm exports have been less than in the corresponding month the preceding year. Shipments for the July-September quarter were 31 per cent below the corresponding 1951 quarter. Outstanding for October was large reduction in shipments of pork, cotton, soybean oil and tobacco compared with preceding year. Wheat shipments were down only 6 per cent, cotton 47 per cent, tobacco down 54 per cent.

Imports of farm products exceeded exports by some \$107,800,000, compared to \$39,600,000 in October of 1951.

"By far the most important farm imports were products not produced in commercial quantities in the United States," the Department said.

Prices Have Dropped

At home—prices of farm products dropped another 3 per cent in December; 4 months in a row, lower prices. Compared with December, 1951, prices are down 12 per cent, an average drop of 1 per cent per month.

The year as a whole bore some resemblance to 1928-29 fiscal; peak industrial production accompanied by falling commodity prices the world over.

The 1952-53 edition of "Facts and Figures on Government Finance," compiled and published by the Tax Foundation, shows that Mr. Per Capita American by the end of 1951, owed \$1,840 on the public debt. That is, combined federal, state and local public debts.

It's more than that now. The average American, Tax Foundation found, owed only \$1 more in terms of local debt in 1951 than in 1932. But his share of the federal debt was \$1,527 more than in 1932.

Back in 1932 the per capita local debt was \$134; by 1951 it was \$135. His total

share was \$313 in 1932; by 1951 it had jumped to \$1,840. For family of four, multiply \$1,840 by 4 and you have it, as of a year ago.

One phase of the Farm Program is due for re-examination again in this Congress, via the appropriations route. That is the highly controversial matter of payments to farmers for carrying out conservation practices.

Here is a recent statement from Rep. Clifford Hope of Kansas, House Agriculture Committee Chairman:

"I think we've reached the place where we should pay more attention to the question of type of practice for which payment is made. In the past, those programs have been pretty loose in the respect that there are a great many types of work farmers might do to earn payments, and some of them had a great deal more value from the standpoint of conservation than others.

"I think some of those possibly didn't have too much value from the soil conservation standpoint—were perhaps desirable practices in the past, and there might have been some occasion for using the payments as an incentive to get farmers to follow these practices, but my thought now is that time is past and whatever payments are made now should be limited pretty much to practices that deal with the physical work on the land itself—in other words, some changes in the land itself, like terracing, or building ponds or grassways or water runways.

"I'm not in favor of eliminating the program at all, or in favor of reducing it materially, but rather I think we should keep the program but see if we can't get more for our money in the way of actual conservation practices."

MARKETING VIEWPOINT

LEONARD W. SCHRUBEN, Feed Gains

When would be the best time of year to buy protein supplements at lowest price for future delivery?—C. P.

In the past, carlot prices at Kansas City on soybean meal, cottonseed meal and linseed meal reached their seasonal lows sometime between April and June. After June, prices rose but soybean meal and cottonseed meal showed another recession in October. The low price reached in October was seldom

as low as the low in June. It would appear if past price patterns were to be repeated in the future, then the months of May or June would be your months of interest.

The analysis and especially the prediction of protein supplement prices is complex. Numbers of livestock, total supplies of all protein supplements, and level of economic activity are just a few of the many factors which must be accounted for.


In view of the complexity of the picture, I would not recommend excessive stockpiling of protein supplements for speculative purposes. Altogether, reasonably adequate supplies of oilseed cake and meal appear in prospect for the remainder of the 1952-53 feeding season. Altho adequate supplies are in prospect, prices are not expected to be much lower and some strengthening by early spring is likely.

Report CROP Gifts

In the 1952 campaign of Kansas CROP Program, total contributions were \$62,011 with more reports to come in, says Rev. Arnold Lambert, state CROP director. Over-all total will be about \$75,000.

Expand Turf Research

Turf research at Kansas State College has been supplemented with a \$300 grant from the U. S. Golf Association. The college has set up turf plots to study grass varieties, species and mixtures best suited for lawns, school grounds, athletic fields, golf courses and parks.



POST HOLE DIGGER

The modern "Rapidigger" for Ford, Ferguson tractors. One man hydraulic control. No gears, drive shaft. Time saved pays for this low cost digger. Guaranteed performer. Write for FREE folder.

RAPIDIGGER, 4605 Lowell, Lincoln, Nebr.



NATIONAL Vitrified SILOS

Everlasting TILE SILOS

Cheap to install. Trouble Free. Also Tile Stave Silos. Outside Reinforcing.

Buy Now Erect Early
IMMEDIATE SHIPMENT

F.H.A. LOANS AVAILABLE

Write for prices. Special discounts now. Good territory open for live agents.

NATIONAL TILE SILO COMPANY
636 Livestock Exchange Building
KANSAS CITY 15, MO.

CORN CENTER DOIN'S



"Little Lem's jist like his paw—can't wait to start spring plowing with them Power-Curve tractor tires!"

You'll start spring plowing earlier and work faster if your tractor rolls on B. F. Goodrich Power-Curve tires. The powerful sharp-edge cleats dig into even the hardest soils to give you greater drawbar-pull. Every turn of a Power-Curve tire counts because the curved cleats take a firm hold on the soil, assure you of full traction in forward as well as reverse. Dirt and mud can't clog in the open-center

tread. They are thrown free by the flexing action of the tire as it rolls. B. F. Goodrich tractor tires stay clean, and only clean tires can give full traction. And these tires give you more service for your dollar because the extra-high cleats wear longer. When ordering a new tractor, always specify Power-Curve tires made by B. F. Goodrich—First in Rubber.

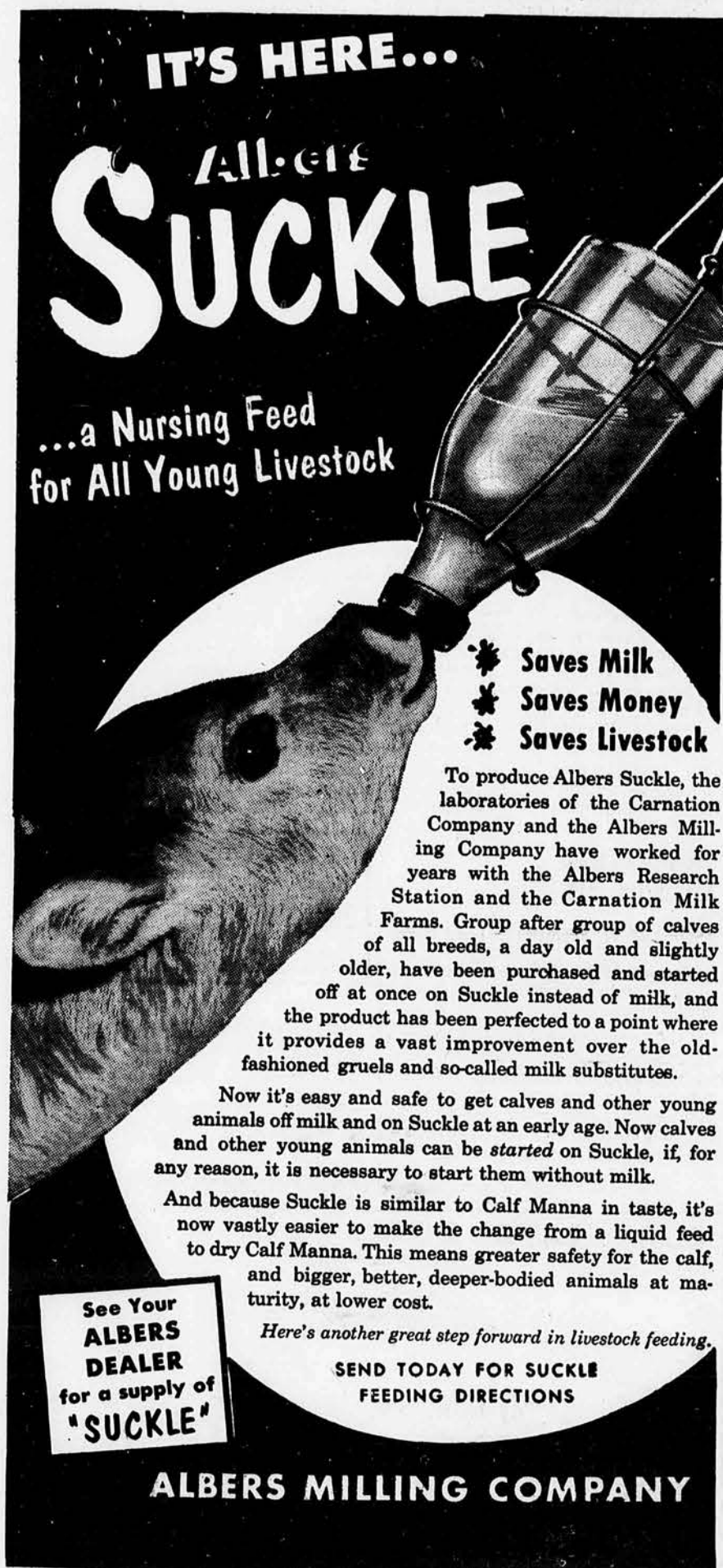
An advertisement of The B. F. Goodrich Company, Akron, Ohio

IT'S HERE...

ALL-AGE

SUCKLE

...a Nursing Feed
for All Young Livestock



- ✱ Saves Milk
- ✱ Saves Money
- ✱ Saves Livestock

To produce Albers Suckle, the laboratories of the Carnation Company and the Albers Milling Company have worked for years with the Albers Research Station and the Carnation Milk Farms. Group after group of calves of all breeds, a day old and slightly older, have been purchased and started off at once on Suckle instead of milk, and the product has been perfected to a point where it provides a vast improvement over the old-fashioned gruels and so-called milk substitutes.

Now it's easy and safe to get calves and other young animals off milk and on Suckle at an early age. Now calves and other young animals can be started on Suckle, if, for any reason, it is necessary to start them without milk.

And because Suckle is similar to Calf Manna in taste, it's now vastly easier to make the change from a liquid feed to dry Calf Manna. This means greater safety for the calf, and bigger, better, deeper-bodied animals at maturity, at lower cost.

See Your **ALBERS DEALER** for a supply of "SUCKLE"

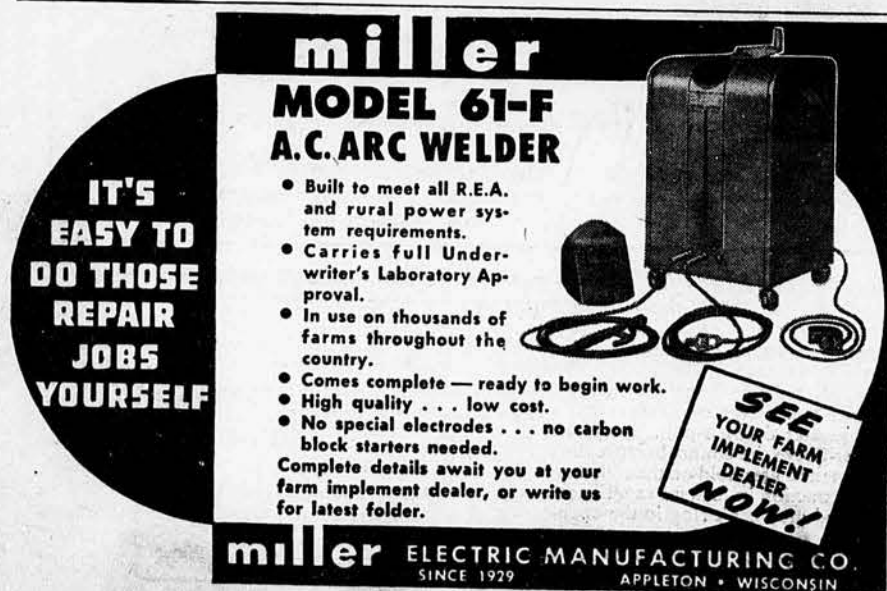
Here's another great step forward in livestock feeding.

SEND TODAY FOR SUCKLE FEEDING DIRECTIONS

ALBERS MILLING COMPANY

miller

MODEL 61-F A.C. ARC WELDER



IT'S EASY TO DO THOSE REPAIR JOBS YOURSELF

- Built to meet all R.E.A. and rural power system requirements.
- Carries full Underwriter's Laboratory Approval.
- In use on thousands of farms throughout the country.
- Comes complete — ready to begin work.
- High quality . . . low cost.
- No special electrodes . . . no carbon block starters needed.

Complete details await you at your farm implement dealer, or write us for latest folder.

SEE YOUR FARM IMPLEMENT DEALER NOW!

miller ELECTRIC MANUFACTURING CO.
SINCE 1929 APPLETON • WISCONSIN

What Happens to 4-H'ers?

(Continued from Page 4)

dishes were installed in the 4-H Club building at Kansas State Fairgrounds in Hutchinson. Bonds valued at \$4,500 were presented for construction of the K-State Student Union Building. Other gifts included a choir stall in All-Faith Chapel at the College, a weatherproof bulletin board on the campus besides equipment for the Collegiate Club office. Reason enough for the statement by Dr. James A. McCain, K-State president, that the "Collegiate 4-H Club is one of the most constructive organizations on our campus. They are a completely selfless group, always considering the welfare of the College as a whole when they come to the president's office with the question, 'what can we do?'"

Prominent among services performed by Collegiate members are weekly radio broadcasts over the college station, KSAC, in which activities of local 4-H Clubs are recognized, and suggestions for better club programs based on experiences of Collegiate members are aired.

Experience Helps at Round-up

Round-up time each spring is a busy time for Collegiate members. Operating the post office, helping publish the Round-up newspaper, distributing "Who's Who's" and generally "filling in" as needed, these young people follow a pattern true to 4-H ideals. Their conducting of leadership training courses carries with it that intangible value of their own 4-H Club experiences still vividly in mind. "They are old enough to recognize and respect values of home and 4-H and they make our best teachers. They make valuable camp assistants, too," one state leader commented.

The evening party held during the Rural Life convention is another responsibility of Collegiate Club. Registration, reception and tour guides are provided by the club. Farm and Home Week calls for assistance in managing the cherry-pie baking contest from Collegiate Clubbers. Others help judge spring festivals thru the state. More recently, the club has helped manage a blood bank on campus.

Who are these Collegiate Club members? They are students, formerly members of local 4-H Clubs, and others interested in sharing, thru College years, experiences of working and playing together they learned to know as 4-H'ers before College. Roughly a third of all of the students at Kansas State

are former 4-H'ers. Club membership reached as many as 600 in 1949, a year of heavy college enrollment. By comparison, the K-State Collegiate Club seems to outrank all other similar clubs in colleges across the Nation in active membership as well as scope of activities.

In their membership are found many young people qualified for the International Farm Youth Exchange program. Collegiate Club also donates a sizable sum to help send these "grass roots ambassadors" to foreign lands. More recently Collegiate members have helped interview IFYE candidates.

Lively Meetings Draw Crowds

Being one of the largest organizations on campus, finding a meeting place large enough for their business sessions and recreational activities has for years been a Collegiate Club problem. For, while the club is largely a service organization, it fills a real need for recreation among college students as well. Who knows how many marriages started as budding romances at a Collegiate Club dance or holiday party? Club's regular meetings are held twice monthly, open with recreation. You'd have to hunt a long time, too, for a folk dance or modern dance step those folks can't do! With the business session following recreation, club leaders know everyone will be there promptly at meeting time. Turnouts seldom lack much in size either, even thru final weeks. Main social events of the collegiate year at Kansas State are early fall picnics, fall, winter and spring formals, and dinners. The club has intramural teams entered in volleyball, basketball and softball competing with other organizations on campus. At Homecoming time, Collegiate Club floats have won among the highest honors in the pregame parade.

Collegiate members will tell you a lot of the responsibility for the success of their club is the outstanding work Extension 4-H Club leaders are doing on a local club level in the state. Nowadays, younger 4-H members too, see Collegiate Clubbers serving at fairs and on Extension programs. When college days come, these young people also want to join this active organization.

Collegiate Club experiences too are invaluable training for prospective Extension agents. Interest in this field among Collegiate Club members led to organization of an Extension interest

(Continued on Page 39)

GRANDMA

By Charles Kuhn



in the club a few years ago, has now been organized as a State College Extension Club, for planning to do major college in Extension training.

Collegiate Club at Kansas State was organized December 27, 1926, by M. H. then State Club Leader, now director of the Farm Safety Division of National Safety Council. Membership that first year totaled 60. By the end year, membership had reached and a "Who's Who?" account read the club was "active in dramas, social functions and had a 15-orchestra." Mary Elsie Border took sponsorship of the club and in years, it has passed to J. Har- Johnson, present State Club Leader. Carnivals, queen contests, assisting festival judging, picnics, parties, es—these are a cross section of ities that are attracting an in- ing membership to the new Col- te 4-H Club formed in 1950 at Hays State.

Students were primarily respon- for this organization. Betty See, to serve as first president, had ded the National 4-H Club Con- at Chicago, and Dale Marcy, im- with the Round-up at Kansas, visited Dr. M. C. Cunningham, college president, and asked for mission to organize a Collegiate p. February 14, 1950, an organi- nal meeting was held. Jewell Geb- county agent, worked with the p. Accepting sponsorship of the nization were Alice Beesley, head e Home Economics department a former Home Demonstration t, and Mr. Andrew Riegel, of the culture department. Mr. James R. s is a sponsor now.

Hays Initiates Wield Towel

Most recent activities of Collegiate bers at Hays are attending 4-H meetings in the county with nber of Commerce officials, and ing projects in which members and prepare a meal for the club e Home Economics department en. Business and social hour fol- Initiation for new members? You sed it—doing the dishes! Collegiate clubs of neighboring states y on many worthwhile activities For example, the club at Colorado M. Ft. Collins, conducts a com- church service in a neighboring on Rural Life Sunday, assists the annual state club conference ne campus, and is developing an e club program.

braska University's Collegiate members are active in organizing 4-H Clubs over the state, help judging at 4-H days and operate and at the State Fair to support activities and such contributions heir "Operation Santa Claus." ng a staunch admirer of 4-H ac- es and of the work of Collegiate at Kansas State, President Emer- F. D. Farrell emphasizes that these g people are carrying to their col- careers 2 exceedingly important ties developed in earlier 4-H Club k—those of leadership and the abil- o communicate. These coupled with college education, Doctor Farrell ts out, are the immeasurable in- bles that make of students in later our leading citizens. and what becomes of these Colle-

giate members going out in the world? Club presidents of past years have gone into many fields—mostly Extension, farming and homemaking. Others are teaching, practicing veterinary medicine, administering to mental needs, working in industry and business, agricultural specialization, even editing.

For all of them, their Collegiate Club experiences were a highly select and cherished memory. No wonder Kansas leads the Nation with its Collegiate 4-H Clubs.

Here's where some former Collegiate 4-H presidents are today:

Manford Mansfield is Extension veteri- narian at Illinois University.

Arnold Chase, 1929 Collegiate president, is with the Bureau of Labor Statistics, Ar- lington, Va.

George McCollm is soil conservationist with the Navajo service, Shiprock, N. M.

Gaylord Munson, farming near Junction City, also is treasurer, Board of Agriculture.

Herbert Clutter is chairman of Western Kansas Development Association, farms near Holcomb.

Frank Burson is a soybean mill manager as Sioux Falls, S. D.

Frank Parsons is in the division of agron- omy, University of California.

Walter Lewis is farming near Larned.

Frank Jordan is an Army veterinarian.

Alvin Mistler is a drainage sales engineer.

Harold Scanlan is a dairy herdsman.

Arthur Bell is FHA supervisor at Clay Center.

Miles McKee is herdsman at Moxley ranch, Council Grove.

Dale Watson at Lyons, Armin Samuelson at Newton, Stan Meinen, McPherson, Dick Winger, Salina, Merle Eyestone, Topeka, are 4-H Club agents.

John Sjo is U. S. Agricultural Economics officer in Copenhagen, Denmark.

Dean Schowengerdt is rehabilitating am- putees in Japan.

John Aiken is veterinarian at Sioux City, Nebr.

Delbert Clark is veterinarian in Coopers- town, N. D.

Willia Havely, president of Clovia (4-H sorority), because head teacher of nursery school of University of California. Is now married, has one child, is at Berkeley.

Helen Ramsour was Kansas HDA pres- ident.

Tom Benton, now a director of Kansas Farm Bureau, farms at Olathe.

Hobart Frederick is Sumner county agent. His wife is former Laurie Shoffner, Saline county 4-H girl who was a Washington trip winner in 1940.

George Wreath, KSC grad of 1942, now a veterinarian at Belleville.

Ike Kern, president of Collegiate Club in 1939, is now in Hawaiian Islands as an agri- cultural specialist with a pineapple com- pany.

Some other former Collegiate mem- bers we know about include:

Roy Freeland, once a Collegiate Club quartet member and now Secretary of Agri- culture in Kansas.

Helen Woodard, Washington trip winner in 1939, later secretary of Collegiate 4-H Club, is Mrs. Clifford Dillon, Topeka.

Cecil Eyestone, Montgomery 4-H agent.

Patricia Beezley, Washington trip winner in 1938, now is manager of Pennant Cafe- teria in Topeka.

Alma Deane Fuller, secretary of Colle- giate 4-H Club in 1942. Now is director of education division of The American Forest Products Industries, Inc., Washington, D.C.

Robert Shoffner, Washington trip winner in 1937 and active Collegiate 4-H member, is directing poultry research work at Univer- sity of Minnesota.

Ruth Salley, a secretary of Collegiate 4-H and Who's Who club scholarship winner, is Mrs. Gaylord Johnson, Cleburne.

Irene Hotchkiss, Washington trip winner one year, now wife of KSC agricultural en- gineering staff member, has 2 children, is Mrs. Paul Davis.

Alice Leland, active Collegiate member, and a Danforth Scholarship winner, was home agent in Stafford county.

Kansas Farmer would like to hear from former members of Kansas' Col- legiate Clubs—where you are and what you are doing. Please drop the editor a line.

HINTS ABOUT VITAMINS

By CHARLES H. LERRIGO, M. D.

Patent (proprietary) medicines were half the stock in trade of the up-to-date druggist of your childhood. Now he fills his space to much better advantage with VITAMINS. Most of them are helpful to supply certain needs—some of them work wonders! The question is whether you shall spend your money on them and which to buy.

My special letter "Hints About Vitamins" will give some guidance. A copy will be sent to any subscriber sending a request with an en- velope addressed to himself and bearing a 3-cent stamp, to Dr. C. H. Lerrigo, Kansas Farmer, Topeka, Kan. No copies can be sent unless the stamped envelope is received.



Work Saver...Time Saver Money Saver The Whole Year 'Round

Golden Anniversary Jayhawk HYDRAULIC LOADER



Model D for Row Crop Tractors

Now Available With Hydraulic Scoop Control Attachment... Many Other Features

For complete control over bucket get a Jayhawk with hydraulic scoop control. Ideal for digging, filling masonry forms, spreading dirt and gravel, many other purposes. One-man hydraulic grapple fork also available.

See the Jayhawk dealer. Write direct for FREE LITERATURE and full details.

1. Single precision honed cylinder for equalized lift.
2. Patented automatic load leveler keeps scoop level at all heights.
3. 48" scoop with dirt plate standard equipment.
4. Simplified mountings.
5. Easily attached to all popular row crop and wide tread tractors.



Model W for Wide Tread Tractors



Push-off Stacker



Long Tined Fork



6 or 7 Ft., 3-way Bulldozer



6-Ft. Snow Scoop



20-Ft. Hay Crane



9-Ft. Sweep Rake

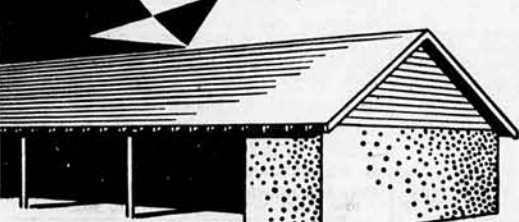
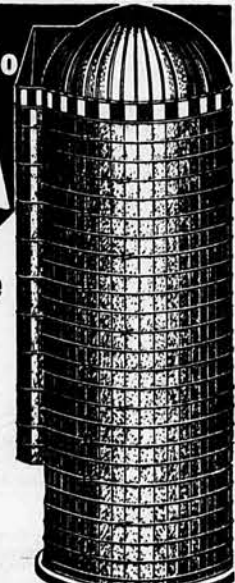
THE WYATT MFG. CO., INC. 1903 GOLDEN ANNIVERSARY L-577 Salina, Kansas 1953

Subscribe to Kansas Farmer Now

This Red and White Top Silo

PAID-

For This Dodstone Cattle Shed In One Year



Only \$38 Down Delivers Either

Savings on feed from the famous Dodson "Red & White Top" Silos more than pay for other improvements on your farm. And when you build Dodstone Buildings it's even more profit for you because Dodstone, like "Red & White Top" Silos, are permanent, storm proof... vermin proof... and always make you a profit. Only \$38.00 down, too.

DODSON'S
1463 Barwise, Wichita, Kansas

Tell me how I can own a "Red & White" Top Silo for only \$38.00 down ☐ Size: _____

Also send me literature on a Dodstone Cattle Shed ☐ Dairy Barn ☐

Name _____

Address _____

Town _____ State _____

DELIVERED FROM WICHITA,
CONCORDIA, CHERRYVALE

Send This Coupon
To Dodson's

Classified Advertising Department

KANSAS FARMER Classified Advertising

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

Livestock Ads Not Sold on a Per-Word Basis

Column	Cost Per	Column	Cost Per
Inches	Issue	Inches	Issue
1/2	\$4.90	2	\$19.80
1	9.80	3	29.40

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

Kansas Farmer, Topeka, Kan.

● BABY CHICKS

Raise Hy-Line Hybrid Chicks in 1953. Get more eggs with less feed cost per dozen. 55 farmers conducted feed tests between Hy-Lines and other chickens in 1951-52. These farmers reported: Hy-Lines cut feed costs from \$1.87 to \$2.63 per case of eggs laid. In egg production 47 farmers reported that Hy-Lines averaged 4,090 more eggs per 100 birds housed than their other chickens. Take advantage of Hy-Lines' greater profit opportunities. Send today for latest report with complete details. Send today for money saving offer on 1953 Hy-Line Chick order placed this month. Free catalog. Write today. Coombs & Son, Box 6, Sedgewick, Kan.

Rocks, Reds, Hampshires, Wyandottes, \$8.85; pullets, \$12.85; Leghorns, Austra-Whites, Minorcas, \$8.95; pullets, \$14.95; heavy assorted, \$6.85; leftovers, \$5.85. Surplus, \$3.80. FOB. Alive, COD. Catalog. Bush Hatchery, Clinton, Mo.

White, Barred Rocks, Hampshires, \$8.75; pullets, \$12.80; Leghorns, Austra-Whites, \$8.95; pullets, \$15.45; Hybrid cockerels \$5.85; Assorted Heavies \$6.80; Surplus \$3.85. Catalog. Hi-Grade Chicks, Deepwater, Mo.

Baby Chicks—\$3.90 and up per hundred. We have high quality chicks at reasonable prices. Write for your free 1953 chick folder and prices. U. S. approved, bloodtested, Pulorum passed, 100% guaranteed. Archie Hatchery, Archie, Mo.

Baby Chicks—None better. 30 varieties, blood-tested, healthy and vigorous. Rush postal, beautiful book. Low prices. Albert Frehse, Route 12, Salina, Kan.

Chicks on a 30 Days trial guarantee. All varieties U. S. approved. Pulorum passed. Easy buying plan. Low prices. Chick manual free. Missouri State Hatchery, Box 171, Butler, Mo.

Best Quality AAA and AAAA Chicks. 100% Pulorum tested. New Hampshires, White Rocks, Barred Rocks, Austra-Whites, White Leghorns, \$9.95 per 100. Heavy pullets, \$14.95. Heavy cocks, \$7.90. White Leghorn and Austra-White pullets, \$18.95. Hybrid Cockerels, \$3.95. Leftovers, \$2.95. Mixed cockerels, \$1.95. 100% alive. Free catalog. Pleasant View Hatchery, Gerald, Mo.

26 Varieties popular and fancy chicks. Anconas, Australorps, Giants, Minorcas, Wyandottes, Cornish, Orpingtons, Leghorns, Reds, Rocks, Hampshires, 6 master crosses including Austra Whites and Cornish crosses. Turkey poults. Free description and prices. Stillwater Hatchery, Dept. K, Stillwater, Okla.

DeForest Blueblood Chicks, broiler and egg breeds. Hatching year around. Broadbreasted Bronze Poults. Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

Better Breed Chicks. White Rocks, Barred Rocks, New Hampshire Reds, Production Reds, Hampshires, Austra-Whites, White Leghorns, Buff Leghorns, AAA \$9.95 Super-Lay \$11.75. Assorted \$9.25. Leftovers \$3.95. Live delivery guaranteed. St. Clair Hatchery, St. Clair, Mo.

GREAT PLAINS CHICKS Guaranteed More Profitable For Your Money Back!

Bred-to-Lay Pedigreed Blood Up To 359 Eggs

HIGHER LIVABILITY AND YIELD
Write for this guarantee. The difference in CASH EGG CROP is the result that counts. Our AAAA pedigree breeding makes that difference. Read the details. Then decide.

FREE CATALOG Gives Facts in Full
260-359 Egg-breeding Leghorns, Hamp, Rocks, Contest-proved cross-breeds. Early order savings. Write
FREE GREAT PLAINS HATCHERIES
WICHITA, KANS.

Wonderful POULTRY BOOK
FREE Tells all about our FINEST BABY CHICKS and started chicks, sexed non-sexed blood. Also Turkey, mature fowls and hatching eggs. Rush postcard for FREE BOOK AND PRICE LIST.
GREAT WESTERN HATCHERY, Box 34, Salina, Kans.

● JERSEY GIANTS

Superfine Chicks, eggs, since 1920. Jersey White or Black Giants, Buff Minorcas, Buff Orpingtons, Anconas, Silverplaced Wyandottes and other breeds. Free literature. The Thomas Farms, Pleasanton, Kan.

● TURKEYS

TURKEY POULTS

Broad Breasted Bronze and Beltsville Whites. Championship bloodlines in national and dressed shows. Tube tested. Low-cost gains, early maturity, higher market quality. Superior breast fleshing. Early savings now. Circular free. COLONIAL TURKEY HATCHERY, Box T, Lamar, Colo.

● OF INTEREST TO ALL

OUTDOOR TOILETS CESSPOOLS • SEPTIC TANKS

**CLEANED and DEODORIZED
SAVE DIGGING, PUMPING, MOVING**

Just mix amazing DRY POWDER with water and pour into toilet. Doubles waste-digesting action! Reduces mass, unclogs drain fields, eliminates obnoxious odors overnight. Safe, easy, inexpensive to use! Over 150,000 satisfied customers the world over. Results guaranteed.

**POSTCARD BRINGS FULL DETAILS
and FREE SAMPLE**

BURSON LABORATORIES, Dept. D-44, Chicago 22, Ill.

● OF INTEREST TO ALL

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

Free Copy of Golden Truths Magazine. Write Golden Truths, Inc., Amboy, Indiana.

Money-making Opportunities. Choose from hundreds. Read world's biggest classified medium. Free copy. Popular Mechanics Classified, 200-FK East Ontario, Chicago 11, Ill.

● OF INTEREST TO WOMEN

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

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

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

Church Groups—Raise funds easily! Over 40 unusual money-makers. Try us. Free catalog. Complete credit. Beb Products, Dept. K-F, Oneonta, New York.

Quilt Pieces. Finest expensive narrow-wale corduroy. Make 70 by 80 inch quilt top, couch cover. Brilliant fresh new. Assorted light, dark. Only \$2.99. Three \$5.90. Money back guarantee. Quilt Block House, Box 54-7, Omaha 3, Nebr.

● POULTRY—MISCELLANEOUS

Peafowl, pheasants, bantams, geese, ducks. Thirty varieties pigeons. John Hass, Bettendorf, Ia.

● LIVESTOCK ITEMS

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

● FARM EQUIPMENT

Wire Winder—Avoid barbed wire entanglements. Use a tractor-powered wire winder. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

Newly Patented Twine Knotter attachments. Fits all balers. Eliminates mis-ties. Eliminates adjustments. Ties heavier bales. Pays for itself. Carl Rudeen, Jerome, Ida.

Baler and Binder Twine: Buy direct and save money. Wholesale prices. Write today for prices, samples and information, to our warehouse nearest you. Birmingham, 7 Prosser Co., Chicago, Ill. 128 S. Sangamon St.—Kalamazoo, Mich., 508 E. Frank St.—St. Louis, Mo., 601 S. Edwin St.—Kansas City, Mo., 711 May St.

● MACHINERY AND PARTS

Post Hole Digger—Belt Driven Rapiddigger—For Ferguson or Ford. Users say finest job all soils. Save labor and time, just \$140. Guaranteed performer. Write for information. Rapiddigger, 4605 Lowell, Lincoln, Nebr.

One-way and Disc Grinder. Can be used in the shop, yard or while machine is discing in the field. No dismantling. Cheap, simple and easy to operate. Write for circular. Hyatt Mfg. Co., Kimball, Nebr.

Baler Twine and Binder Twine. Ask your local dealer for Blue Bow and Blue Circle Treated Twine. Guaranteed quality, uniformity, strength and footage. Wanted dealers, distributors and salesmen. Bob Stone Cordage Company, National Twine Distributors, Charleston, Ia.

Something New: Electric push button steering device for tractors, and self-propelled combines. Write for circular. Hyatt Mfg. Co., Kimball, Nebr.

Gigantic Government Surplus Sale. 70% savings. Engines, power plants, compressors, pumps, chain saws, weed sprayers, binoculars, tools. Large illustrated catalog free. Surplus Center, 877 "O" St., Lincoln, Nebr.

The Colorado Power Take-off driven rod weeder attachment for Graham-Hoeme and Jeffery chisels plows. Really does the job a rod weeder was intended to do. For full information write The Colorado Rod Weeder Co., Inc., 835 Flower St., Lakewood, Colo.

New and Used Tractor Parts. Write for big, free 1953 catalog; tremendous savings. Satisfaction guaranteed. Central Tractor Parts Co., Des Moines 3, Ia.

Tractor Parts at Wholesale Prices! Free 116-page tractor parts Blue Book. Lists thousands of parts for most makes and models of tractors and implements. Special savings on accessories, farm equipments, tools. All merchandise brand new, fully guaranteed. Farm stores, Wichita, Salina. For free catalog send postcard to Tractor Supply Co., 2692 North Halstead, Chicago 14. Limited quantity available. Write today!

One-Way and Disc Grinder. Can be used in the shop, yard, or while machine is discing in the field. No dismantling. Cheap, simple and easy to operate. Write for circular. Hyatt Mfg. Co., Kimball, Nebr.

● FARMS—KANSAS

240-A. Creek Bottom Farm, Grade-A milk barn. Robt. Cameron, Council Grove, Kan.

● FARMS—MISSOURI

Free information about the Ozarks. Good homes, low taxes. Owensby, Buffalo, Mo.

● FARMS—MISCELLANEOUS

Strout Farm Catalog—Farms, homes, businesses, etc. 3446 bargains described, 31 states. World's largest, 53 years service. Strout Realty, 20-V West 9th St., Kansas City 6, Mo.

Colorado Ranches, wheat land and motels. Karns Realty, 2507 E. Hi-way 24, Colorado Springs, Colo.

1,600 Acres Crowley county, Colo. 400 acres crop land. Two improvements. Mostly level. Price \$48,000. Easy terms. Louis Miller, Frankfort, Ind.

● EDUCATIONAL—BOOKS

Auction School Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual Sales. Largest school in world. 20 years in operation. Don't be misled. Term soon. Free catalog. REISCH AUCTION SCHOOL, Mason City, Iowa

Learn Auctioneering. Term soon. Write for catalog. Missouri Auction School, 1204 Linwood, Kansas City, Mo.

Ft. Smith Auction School, Ft. Smith, Ark. Term soon. Free catalog.

● HELP WANTED

Sell Dresses from New York. Fifth Avenue New York firm desires women to sell dresses; suits, lingerie. Seen "Vogue," "Mademoiselle," Good commissions. Modern Manner, 260KC Fifth Avenue, New York.

● PLANTS AND NURSERY STOCK

SEND FOR OUR NEW 52-PAGE, 1953

FREE CATALOG

50 MULTIFLORA ROSE \$1.00 POST PAID
6 to 9 in. for Hedges and Fences
50 CHINESE ELMS \$1.00 POST PAID
12 to 18 inches
30 GLADIOLUS BULBS \$1.00 POST PAID
Blooming Size, Blended Mixture
THE ABOVE SPECIALS EXPIRE MARCH 15, 1953

KANSAS LANDSCAPE AND NURSERY CO.

SALINA, KANSAS DEPT. K

Onion Plants— Choice Select Yellow or White Sweet Spanish, Yellow or White Bermudas, 300—\$1.35; 500—\$1.85; 1,000—\$2.95; 3,000—\$5.50, postpaid; 6,000 (crate)—\$8.50, prepaid. Austin Plant Company, Box 313, Austin, Tex.

Fruit Trees! Stark Brothers sensational new "Dwarfs." Also standard size, exclusive patented, trade-marked varieties produce abundant, larger, better apples, peaches, pears. All fruit faster growing, quicker bearing. Also beautiful ornamental trees and shrubs. Get giant new color photo catalog free. Stark Brothers, Dept. 30303, Louisiana, Mo.

● FLOWERS AND BULBS

African Violets, new price list. Many new varieties. Hirt's Greenhouses, Strongsville, O.

● SEEDS

Hardy Recleaned Kansas ALFALFA SEED, \$17.70

Grimm, \$18.80; Sweet Clover, \$7.50, all per bushel. Buffalo and Ranger Alfalfa, Ladino, Red Clover, Lespedeza, Brome and many other seeds. Save money—send postal today for catalog, samples, and lowest direct to you prices. Quick service, satisfaction guaranteed. Serving growers for over 50 years. JACK BOWMAN, Box 615, Concordia, Kan.

Plant the New Varieties

LESPEDeza SEED For Greater Profits BIG FREE CATALOG

And Price List of the new improved varieties. Fescues, Clovers, Alfalfas, Trefoli, Grasses, Vegetable seeds and Berry Plants. Send for your copy today.

Make More Money in 1953

ARCHIAS' SEEDS

Box 70 Sedalia, Mo.

Buy Hardest, Highest Yielding new Creeping Hybrid Rhizoma Alfalfa, wilt resistant Ranger and Cossack Alfalfa; improved pasture and hay grasses; new James Hullless Oats direct from Sam Sober & Sons, Box 761 H, Rapid City, S. D.

Kentucky 31 Fescue Seed, certified and uncertified. Original strain. Priced right. Order now. H. T. Waldrop, Murray, Ky.

Genuine "Gro-Coated" Seed at money-saving prices. "Gro-Coated" the greatest name in seeds. The tested, recleaned, guaranteed seed that gives extra assurance of better stands, and bigger yields. Hardy Alfalfa, \$18.90 bu.; Grimm, \$20.85; Sweet Clover, \$7.20; Red Clover, \$25.20; Mo. 0-205 Oats, \$4.95. Other certified Oats \$1.85. Hybrid Corn, \$5.25. Have scores of grasses and mixed seedlings. Ladino, Birdsfoot Trefoli, Barley, Speltz, Fodder Crops, etc. 150 grades and varieties. American Field Seed Company (formerly Chicago) now merged with Berry. Get our big free consolidated catalog, samples and lowest direct prices. Demand genuine Gro-coated seed for extra crop insurance. Write only to Berry Seed Company, Box 484, Clarinda, Iowa.

Certified Tall and Intermediate wheat grass, 60c (lb. Uncertified, 55c. Greeley Seed Co., Greeley, Colo.

● PETS

Young Parrots— Make fine talkers. Intelligent pets. Herb Miller, 1911-N, Lubbock, Tex.

● DOGS

Genuine English Shepherd Puppies. Guaranteed heelers, watchdogs. Year's trial. Russell Wahl, Rockport, Ind.

Large Type Collie Puppies. Registerable, A.K.C. E. Barnes, Collyer, Kan.

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

● CHINCHILLAS

Bred Pairs Registered Chinchillas (not rabbits) sale or lease. deBeltencourt, New Canton, Va.

● FUR BEARING ANIMALS

Mink— Pedigreed select quality. Visit Voight Farms, Atlanta, Tex., or Lomira, Wis.

● FILMS AND PRINTS

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

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

3c Deckledge Reprints 3c

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

Two Prints each good negatives, 8-exposure, 35c; 12-exposure, 50c; 16-exposure, 65c. Reprints, 4c. Mayfair Photo Service, Box 617-B, Toledo, Ohio.

20 DECKLEDGE REPRINTS 50c

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

TINY'S PHOTO SERVICE

Box 1068-KF Topeka, Kan.

● FOR THE TABLE

HONEY MIXED WILDFLOWER (Dark) 60-lb. Can FOB \$9.90

Extracted—Pure as bees can make it. 60-lb. Can Clover, FOB, \$12.00. 12-lb. Can Clover (Postpaid to 600 mi.), \$8.85. 12-lb. Can Mixed (Postpaid to 600 mi.), \$3.50. Order Promptly—Supply Limited.

HAHN APRIARIES, 1715 Lane St., Topeka, Kan.

Tree Ripened Oranges direct from the grower—bushels (55 lbs.) \$5.21. Mixed bushels oranges and grapefruit, \$5.21. Bushels half oranges half tangerines, \$5.50. Sweet and full of juice. Picked fresh and rushed to you same day via fast Railway Express prepaid anywhere in Kansas. Wm. C. Smith, Box 55, Deland, Fla.

● REMEDIES—TREATMENTS

Latest Methods treating piles, fistula, stomach disorders. Write for free book. Cleary Clinic and Hospital, E140, Excelsior Springs, Mo.

● FEATHERS WANTED

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

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

● BUILDING MATERIAL

Klin-Dried Quality No. 2 Oak Flooring, 8c per sq. ft. Write for free building material catalog. Hugh M. Woods Co., P. O. Box 2, Denver, Colo.

● WANTED TO BUY

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

Seed Wanted—Atlas Sorgo, Cane, Alfalfa, Brome. Please submit samples immediately. bid. F. A. Mangelsdorf Seed Company, Atchafalpa, Kan.

● AGENTS AND SALESMEN

"We Sell Rain"— 2 inches on 16 acres in ten hours. Wheel movement over terraces. Free literature. "Meals"—Engineering—and Appointment. Farmer group meeting with samples and pictures. Not undersold. Price and quality. Agents wanted. Factory representatives. Also buyers for grease master. Conrad's, Gaylord, Minn.

● PATENTS AND INVENTIONS

A. H. Sturges, 317 Sunderland Bldg., Omaha, Nebr. Registered Patent Attorney, U. S. Patent Office. Procedure information, evidence of invention form and patent book sent on request.

Less Lespedeza Seed

Production of lespedeza seed in Kansas for 1952 is indicated at 2 million pounds of clean seed, compared with 1951 crop of 4,700,000 pounds and 1950 year (1941-50) average of 15,730,000 pounds.

According to U. S. Bureau of Agricultural Economics and the Kansas State Board of Agriculture, this year's small production is result of a sharp reduction in acreage harvested as well as low yields. Drouth during summer was very unfavorable for lespedeza. Top growth was small and set of seed poor in most areas. Dry conditions forced maturity of crop and harvest started earlier than usual, from 11,000 acres this year—21,000 in 1951.

Palco FFA Holds Parent-Son Banquet

Wes Seyler, farm director of radio station WIBW, Topeka, was guest speaker at first annual Parent and Son banquet of the Palco FFA chapter, Palco, December 10. Other guests were the high school faculty and members of the board of education.

Darrell Wanker, chapter president, was toastmaster for the evening. Following special FFA numbers, instrumental selections were played by Ronnie Tucker and John Bongardner. writes Glen Warren, reporter.

To Co-op Position

Named to the board of directors of Consumers Co-operative Association at Kansas City is George Montgomery, head of the department of economics and sociology at Kansas State College.

He replaces H. R. Nickel, Hillsboro, resigned, because of pressure of other duties. Professor Montgomery is recognized as an authority on farm marketing problems.



Symbol of Quality

Diamond Top

Tongue-Lock CONCRETE STAVE

SILOS

QUALITY

... in production ... in erection

LIBERAL DISCOUNT FOR EARLY ORDERS

McPHERSON
CONCRETE PRODUCTS CO.
904 W. Euclid St. McPherson, Kansas

HOGS

KANSAS DUROC BREEDERS' ASSN.
ANNUAL
BRED SOW SALE
Thursday, Feb. 5, 1953
Livestock Sale Pavilion
Sabetha, Kansas

Show 10:00 A. M. — Sale 1:00 P. M.
Col. Bert Powell, Auctioneer
For catalog write
DEAN BELL, Secretary, Lebanon, Kansas

35 Choice Bred Gilts and 10 Selected Fall Boars and Gilts consigned by the leading and most active breeders in Kansas. Take advantage of this opportunity. There is a limited number of these gilts for sale.

MARTIN'S
DUROC BRED GILT SALE
Will be held at the Purebred Livestock Sales Pavilion just back of Transit House Hotel in
South St. Joseph, Mo.
on Friday, Feb. 6 at 1:30

35 BRED GILTS—5 FALL BOARS AND 5 FALL GILTS SELL.
Gilts bred for late February, March and May farrow. A desirable offering of good type gilts that will average 400 pounds sale day. They have been fed a balanced ration and should farrow good litters. They are bred to Red Cap, a son of Coronation, 1952 Iowa grand champion; Red Dutch, grandson of Perfect Design, 1950 Indiana grand champion; The 49er, Nebraska junior champion. Fall boars sired by the 49er and Red Velvet.

For sale catalog write to
EARL MARTIN & SON, DeKalb, Mo.
Auctioneer—Bert Powell

DUROC BRED GILT SALE
Sat., February 7, 1953
Smith Center, Kansas

50 Bred for Feb., Mar., Apr. Farrow Also September gilts and boars, no better sold anywhere this winter. Special—to purchaser of 5 or more, free delivery.

VERN V. ALBRECHT
Smith Center, Kansas

POLAND CHINA BRED GILTS
For Sale: 100 head to select from. Also tops in fall boars and gilts. Write BAUER BROS., Gladstone, Nebr. "Just over the line in Nebr."

FOR SALE
YORKSHIRE GILTS
Bred for March and April farrow to L. T. H. Evergreen King 17 F, littermate to champion barrow over all breeds at Nebraska Fair 1951 and champion carcass over all National Barrow Show, Austin, Minn. 1951. Also a few boars.
GEO. WM. BURKHOLDER
Abilene, Kansas

Dairy CATTLE

HOLSTEIN BULLS
From calves to service age. From dams up to 827 lbs. fat with lifetime records up to 142,000 lbs. of milk. One service age from dam with over 700 lbs. in first 10 months on 2 X. Ours is Kansas' highest averaging herd. Last two years average over 600 lbs. on 2 X. Write for information and prices.
ERNEST A. REED & SON
Lyons, Kansas

WISCONSIN DAIRY CATTLE
Choice Holstein, Guernsey and Brown Swiss Calves. Yearlings and Springing Heifers. Delivered to your farm C.O.D.
Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419

PUREBRED HOLSTEIN BULLS
Good type, service age, from dams with DHIA records from 450 to 740 pounds on 2 time.
A. E. FUNK & SONS, Hillsboro, Kansas

FOR SALE
SERVICE AGE AYRSHIRE BULL
Good type backed by five generations of tested and classified dams with records to 548 lbs. fat in 305 days. For further details write
VERLAND M. HOFFMAN, Abilene, Kansas

FOR SALE
REG. BROWN SWISS BULL
"College Chief of Happy 'Ours'", gentle, age 4. Also son of College Chief—registered, 14 mo.
EPH MEIER, Route 2, Hope, Kansas

• AUCTIONEERS •
BERT POWELL
AUCTIONEER
LIVESTOCK AND REAL ESTATE
1529 Plaza Avenue Topeka, Kan.

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

10TH ANNUAL PRODUCTION SALE OF
ABERDEEN-ANGUS CATTLE
33 Beefmaker Bulls—Bandolier, Sunbeam, Eileenmere blood.
12 Bred and Open Heifers. Foundation stock. In calf to Prince of Red Gate 6th, a son of Imp. Prince of Rowley.
Sale at farm — February 17, 1953
Located 2 miles west of Wichita, on U. S. Highway 54
1 mile south and 1/2 mile west.
C. E. REED, 4114 East Central Ave., Wichita, Kan.
Telephones: Resident 68313 — Farm 53868
Mike Wilson for Kansas Farmer

Chisholm Trail Aberdeen-Angus
Breeders' Association Sale of
ABERDEEN-ANGUS CATTLE

53 Commercial Females 53
60 Registered Cattle 60
20 Bulls — 40 Females

To be held at the Community Building

Caldwell, Kansas

Wednesday, February 11, 1953

Sale will start promptly at 1:00 P. M.

Sale headquarters: Leland Hotel, Caldwell, Kansas

For catalog write

Donald Morton, Sales Mgr., Argonia, Kan.
THE CHISHOLM TRAIL ABERDEEN-ANGUS BREEDERS' ASSN.
Auctioneer: Ray Sims, Belton, Missouri

Lift Ban on Canadian Cattle

Ban on imports of cattle from Canada, and other livestock and livestock products, will be lifted March 1, announces U. S. Department of Agriculture.

Last February 26 the ban was imposed due to an outbreak of foot-and-mouth disease. Three months ago the ban against imports of cattle and products from Mexico (also due to outbreak of foot-and-mouth disease) was lifted.

Kansas Farmer issues for the last 2 years have brought you several articles on these outbreaks and what is being done to control the dread livestock disease.

Hill City Boys Go to Market

Six members of the Hill City high school Vocational Agriculture class shipped a load of 24 deferred-fed steers to the Kansas City market on Monday, September 24. The steers were raised by Larry and Marcus Law, Norman Voss, David Wolf, Joe Farrell and Leanne Worcester. John W. Lacey, Vocational Agriculture instructor, and the boys went to Kansas City with the steers to study the market and conditions which affect the market. John Clay & Co. commission firm co-operated in making this study a success.

In the morning the boys toured the market and visited with commission men and slaughter steer buyers. A part of the grain exchange also was visited and a much better understanding of

what happens to our agricultural products was the result.

The Kansas City Livestock Exchange Co., was host at the noon luncheon the afternoon, a tour of Armour Slaughter Plant in Kansas City was made. The entire slaughtering, processing and packing operation was studied hand. The Kansas City Daily Telegram interviewed the boys their feeding operations.

The students returned home day evening and Tuesday morning before the blizzard reached its peak. Trip was very productive and it is it can be made an annual event in marketing as a regular part of work in Vocational Agriculture.

Hold Sheep Schools

Here are concluding set of dates series of 14 district sheep and schools in Kansas: McPherson, January 19; Ness City, January 20; January 21; Harper, January 22; land, February 9; Hill City, February 10; Beloit, February 11; Abilene, February 12, and Marion, February 13.

Kansas State College Extension men and local agents are directing the schools latest management information.

Goes to Ethiopia

Kansas State College method farm practices are finding their to Ethiopia this year.

W. Dick Turner, 1947 graduate gone to Harar, town near Addis Ababa capitol city. He is serving a 2-year as instructor in a secondary school. His position is under the Point 4 gram of the U. S. State Department.

**Eighth Annual Sale of the
NORTHEAST KANSAS
HEREFORD ASSOCIATION**



JAN. 31, 1953

**Kansas Free Fair
Grounds**

TOPEKA, KAN.

**70 HEAD
56 Bulls and 14 Females**

Show for sale rotation at 9:30 — Sale at 12:30

CONSIGNORS

Atwater, Chas., Nefawaka
Beeks Hereford Farm, Baldwin
Figge, Alice & Carl, Topeka
George, Jackson, Lebo
Gideon, Garland R., Paxico
Gideon, L. H., N. Topeka
Gideon, Eldon, N. Topeka
Heck Hereford Ranch, Lawrence
Hug, Frank & Sons, Scranton
Kocher, Herman, Onaga
Kovar, Clyde, Rossville
Lohrengel, L. A., Washington
Lyon, C. E., Topeka
McCullough, F. H., Rossville

Moore, Kenneth, Larkinburg
Morrison, C. P., Meriden
Patterson, Floyd & Lucille, Lecompton
Premier Farms, Wolcott
Rebenstorf, Helen, Wetmore
Rebenstorf, Warner, Wetmore
Reichart, Oscar, Valley Falls
Ridgway, C. W., Tonganoxie
Sackett Herefords, Tonganoxie
Sanders Herefords, Miller
Sanders, R. R., Miller
Welton, R. L., Meriden
Williams, Orion & Son, Hoyt

For catalog write

E. G. BECKER, Meriden, Kansas

Gene Watson, Auctioneer

Mike Wilson for Kansas Farmer

Beef CATTLE

EE CATTLE BOOK



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

AMERICAN ANGUS ASSOCIATION
CHICAGO 9, ILLINOIS

flower Farms ANGUS

Herd Sires:

Ever Prince Revolution 2nd
Homeplace Elteemere 304th.
Ever Prince of Sunflower.

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

flower Farms, Everest, Kansas
n. Keith and Bob Swartz, Owners

REGISTERED ANGUS

ew offering bulls 10 to 18 months.
CUT & RAILSBACK, Quinter, Kansas

ILLED HEREFORDS

red bull calves, 10 months old, sired by
Adv. Worth 27.
EARL BOHLING, Florence, Kansas

eg. Shorthorn Bulls

breeding. Four bulls up to 20 months.
ear-old.
ON SPELLMAN, Gypsum, Kansas

SELLING Northeast Kan. Hereford Sale Topeka, Kan., Jan. 31, 1953

2 Sons of FRC Bocaldo 23d out of Hazlett
bred cows.

CHAS. K. ATWATER
NETAWAKA, KANSAS

SELLING Northeast Kan. Hereford Sale Jan. 31, 1953, Topeka, Kan.

2 BULLS

Sired by MH Royal Tredway 115.

Rebenstorf Herefords, Wetmore, Kansas

REG. HEREFORD BULLS

10 to 18 months old. Sired by: OJR Jupiter Star
12th. Domino Lad KTO 111th and F. Elation 22.
Too range and herd bull prospects.

WAITE BROS., Winfield, Kansas

Dual-Purpose CATTLE

Duallyn MILKING SHORTHORNS

Herd sires from Duallyn have improved milking
and fleshing quality of many herds. Buy a son of
the noted proven sire: Imported Ford Earl
Gwynne 11th, RM, or Neralcam Admiral RM.
Write for prices.

JOHN B. GAGE, Rt. 1, Eudora, Kansas

Red Reg. Milking Shorthorn Bulls

One 18 mo. and one 14 mo. Well typed. Backed
by high production. Can spare a few females.
Elmer Knackstedt, Inman, Kan. 2 N and 1 1/2 W.

REG. RED POLLED BULLS

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

BEST BULLS offered in 27 years with Milking
Shorthorns. From one month to
four-year-old champion. Write for list, come
and see.
HARRY H. REEVES, Rt. 3, Hutchinson, Kan.

KAW VALLEY HEREFORD ASSOCIATION SHOW & SALE Riley County Fairgrounds Monday, February 2, 1953

Show at 9:00 A. M. — Judge, Dr. R. F. Cox

Sale at 12 o'clock noon, in heated pavilion



SELLING 56 HEAD

Bulls and 18 Females selected from 30 large Hereford herds
Wabaunsee, Pottawatomie, Riley and Geary counties, plus
standing entries from CK Ranch, T. L. Welsh Hereford Farm,
nes Hereford Farm and Sanders Hereford Farm. The entries
clude many serviceable-age bulls, very promising herd sire
pects, and selected females of good bloodlines.

any of the heifers will be bred to outstanding
sires.

CONSIGNORS

R. Beavers, Rt. 2, Junction City
thour & Hagenmaier Bros., Winkler
Ranch, Brookville
H. Dieball & Sons, Alma
Ebel & Son, Wamego
Leroy Fechner, Alta Vista
Grand Gideon, Paxico
Edward Johnson, Alta Vista
nes Hereford Farms, Detroit
rman Kocher, Onaga
ter Kolterman, Onaga
nes McKnight, Eskridge
erry J. McLaughlin, Belvue

Harold A. Mertz & Son, Manhattan
Albert Morgan, Alta Vista
Earl Moyer, Manhattan
Oliver Nelson, Leonardville
Harry L. Orton, Alma
Grant Poole, Manhattan
Grover Poole, Manhattan
Wm. D. Poole, Manhattan
Norton Sanders, Miller
Carl Wagner, Randolph
Welsh Hereford Farm, Abilene
Robert Zimmerman, Alta Vista
W. R. Zimmerman, Alta Vista

For catalog write to

W. A. MOYER, Sec.-Mgr.

1027 Kearney, Manhattan, Kansas

ne Watson, Auctioneer

Mike Wilson for Kansas Farmer

This Missouri Sale Is the Bull Buyers Opportunity:

60 REGISTERED BEEF BULLS SELL ON FEBRUARY 10

Selling 29 HEREFORDS—26 ANGUS—5 SHORTHORNS

Sale at the

CLINTON, MISSOURI, Community Sale Barn

Show 9 A. M. — Sale 12 A. M. — The Day Is Tuesday

Sale Sponsored by

WESTERN MISSOURI CATTLE BREEDERS' ASSOCIATION

For sale catalog write the COUNTY AGENTS OFFICE or BOX 311, CLINTON, MO.

Attend our 7TH ANNUAL PRODUCTION SALE OF

REGISTERED HEREFORDS Feb. 5, 1953, 1:00 P.M., Harper, Kan.



Sale will be held at Olivier Bros. Ranch, 10 miles
N. E. of Harper, 40 miles S. W. of Wichita, Kan.

60 HEAD SELLING

19 Bred Heifers, most are bred to SH Larry
Domino 28. 21 Open Heifers, several suit-
able for 4-H projects. 20 Bulls.

The offering is sired by FRC Bocaldo 49, sire of
Bocaldo Lass 6, Advance C Domino 4, WH Rupert
Zesto and P. Royal Duke 54.

Included in the Advance cattle are a full brother and a full sister to CK
Colorado Domino (formerly Advance O Domino 15) the CK Ranch herd bull.

For catalog write

OLIVIER BROS., Harper, Kansas

Gene Watson, Auctioneer

YOU-----PAY

FOR A GOOD BULL

WHY NOT USE HIM?

Kansas Range Bull Sale Monday, February 9, 1953

10 A. M. Sharp, C.S.T. at

DODGE CITY, KANSAS

at the McKinley-Winter Livestock Commission Co.



425 Kansas HEREFORD BULLS At Auction

Selling singly and in pens of

2-3-4-5

A Great Selection of Individuals and Bloodlines

Come to Dodge

LET ONE TRIP SOLVE YOUR BULL PROBLEM

All serviceable aged, big, rugged, growthy Hereford bulls
ready to start breeding profit into your herd. Bulls will be
graded and judged for sale order February 8, 1953.

STOP PAYING THE TAX OF INFERIORITY

It costs you \$10 to \$14 per cwt. for every common calf you
produced in 1952. \$40 per head on 400 lb. stock calves. Can
you afford that unnecessary loss?

For catalogs and information, please address:

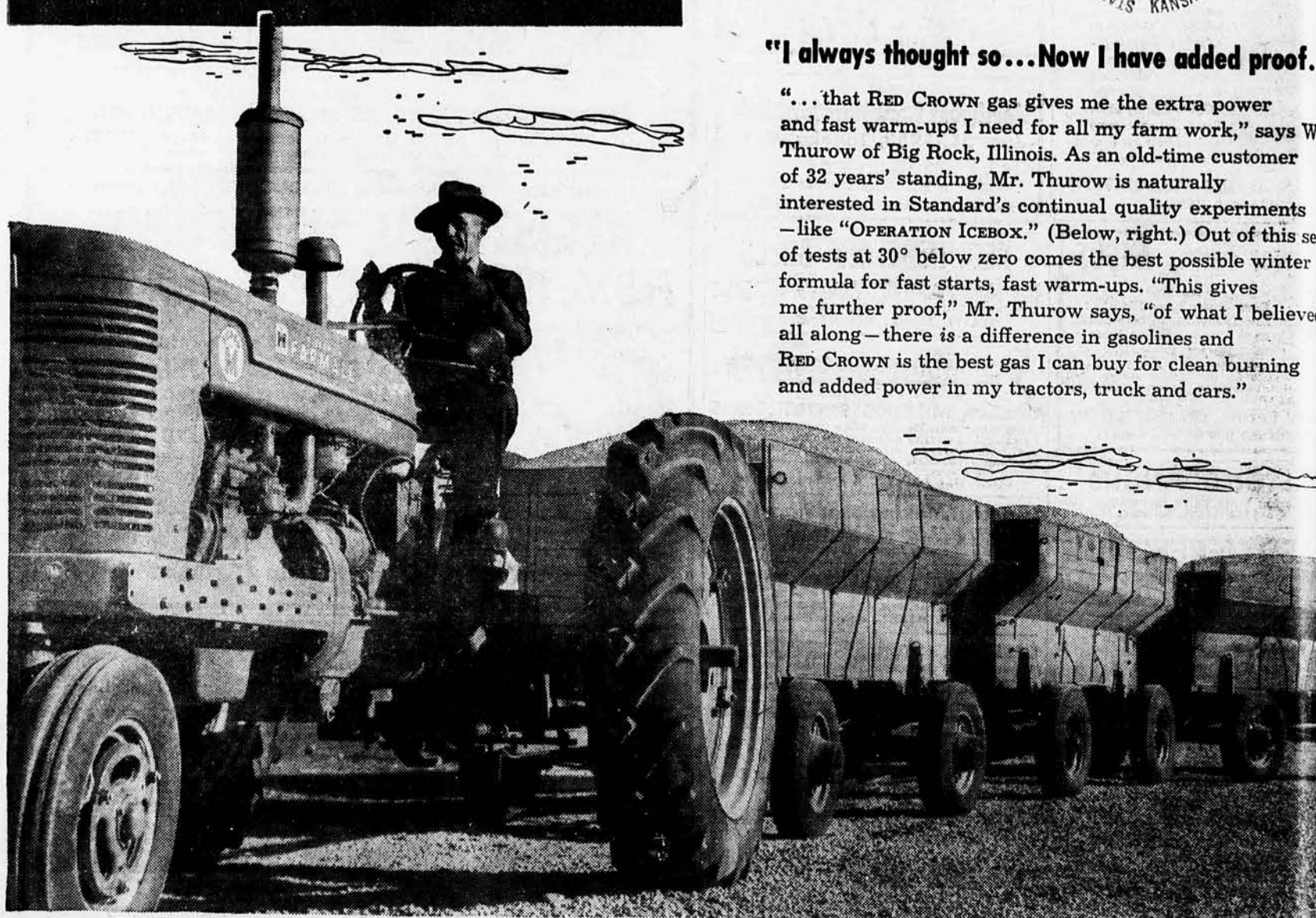
THE KANSAS HEREFORD ASSN.

Tom Sullivan, Secretary-Manager, State Fairgrounds
Hutchinson, Kansas — Phone 5-8981

Aucts.: Gene Watson, Freddie Chandler Mike Wilson for Kansas Farmer

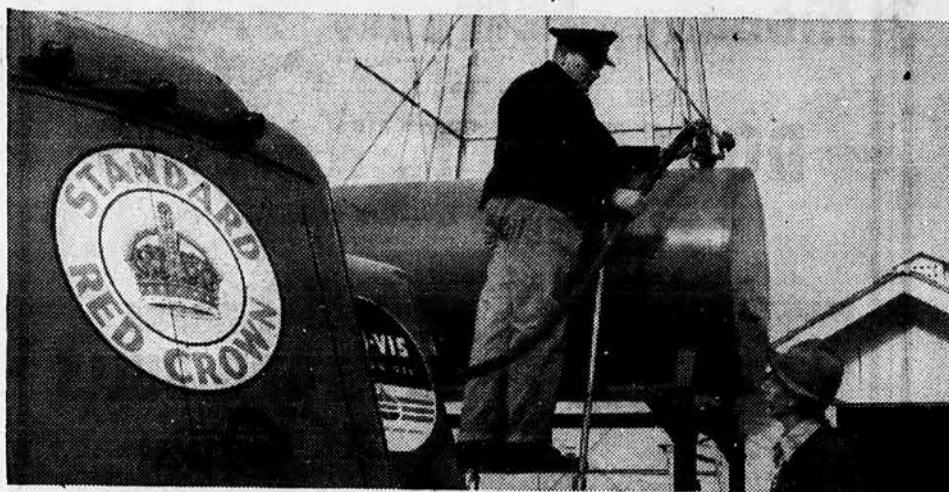
FARM NEWS GRAPHIC

STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE
LIBRARY
JAN 16 1953
MANHATTAN
KANSAS



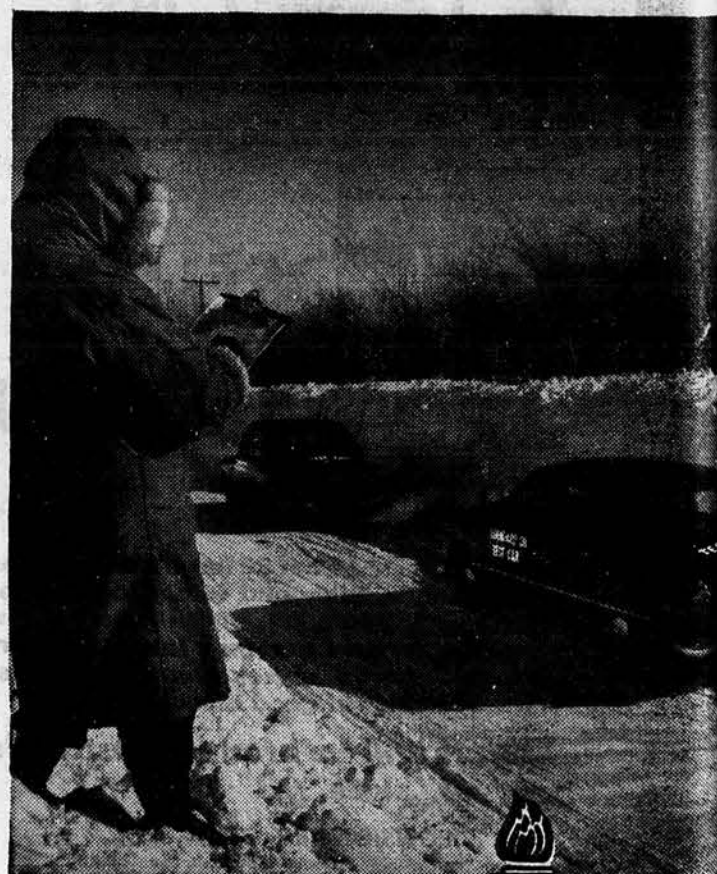
"I always thought so... Now I have added proof..

"...that RED CROWN gas gives me the extra power and fast warm-ups I need for all my farm work," says W. Thurow of Big Rock, Illinois. As an old-time customer of 32 years' standing, Mr. Thurow is naturally interested in Standard's continual quality experiments—like "OPERATION ICEBOX." (Below, right.) Out of this series of tests at 30° below zero comes the best possible winter formula for fast starts, fast warm-ups. "This gives me further proof," Mr. Thurow says, "of what I believed all along—there is a difference in gasolines and RED CROWN is the best gas I can buy for clean burning and added power in my tractors, truck and cars."



4000 gallons of consistent power. Standard Agent, A. G. Perschnick, above, has serviced the Thurow farm for 18 years. Here he is shown making delivery on 250 of the 4000 gallons of RED CROWN that Thurow and Son use every year. When you're working 300 acres, and doing custom work besides, the profits often depend on a reliable source of power for your equipment. You, too, will find that using RED CROWN can make a difference in your profits when your tractor has to put in long hours of hard, tough work.

Fast starts, fast warm-ups proved in "Operation Icebox." Every gallon of Winter RED CROWN Gasoline is charged to capacity with the added, powerful, fast-firing molecules that give your engine fast Winter starts and fast warm-ups. At right Standard scientists test RED CROWN's Winter formula at 30° below zero at Moorhead, Minn., "icebox" of the Midwest. Day after day, year in and year out, Standard's testing goes on like this to bring you the most continuously uniform gas quality you can buy.



Your Partner in Profitable farming

You get all 3 from 1 man!

- 1 Quality Products
- 2 Friendly Service
- 3 Dependable Delivery

