

Kansas Farmer



A BUS TRIP to New York and Washington, D. C., was planned and carried out in 1950 by these 75 Northwest Kansas women. They visited a session of the United Nations in New York, and saw home economics experiment work being done at the USDA Experiment Station, at Beltsville, Md.



SEWING MACHINE clinic is popular. Shown here learning art of caring for their machines are, left to right Mrs. Clayton Massey, Mrs. Will Odgers and Barbara Mrs. Gene Kurtz, Charlene Shaffer, Mrs. Albert Garinger and Jeanette, Mrs. Ferris Fox, Mrs. Margaret Mauk (HDA), Rosella Berry (asst. HDA), and Mrs. R. R. Ballou.



FIGURINE PAINTING is fun. These Saline county women are learning under supervision of Mrs. Opal Arnett Mrs. Glea Gillum and Mrs. Margaret Mauk, home demonstration agent. Working from left: Mrs. L. A. Powell, Mrs. E. R. Beffort, Mrs. W. H. Vaupel, Mrs. Lawrence Anderson, Mrs. Vernal Blomberg, Mrs. W. G. Walmsley, and Mrs. Arnett.

Never a Dull Moment for These Farm Ladies

Rugmaking, sewing-machine repair, dress designing, community improvement, cross-country travel all in a day's activities for them

IF HOME DEMONSTRATION Unit members in Saline county are typical, farm women of Kansas had a busy year in 1950, are equally busy in 1951. A look at the annual report of Mrs. Margaret N. Mauk, Saline county home demonstration agent, shows Saline county women learned new things, made valuable contributions to their communities, and had a lot of fun.

Have you ever had a rugmaking day in your county? They had 2 such days in Saline and the idea proved so interesting another one is planned this year. Some 75 women who attended the first one got to see other women in the county demonstrate 10 or 12 different rugmaking methods. These included safety pin, hooked, wagon wheel, braided, crocketed, warp, crocheted wool and warp, loom, Betty Jay, [Continued on Page 24]



ANNUAL GUEST TEA is an outstanding social event in Saline county. Here guests at 1950 tea look over program. They are, left to right: Helen Dobson, Mrs. Henry Schrader, Mrs. Glea Gillum, Evelyn Haberman, and Mrs. Margaret Mauk, HDA.

- **Wheat Breeders Concerned** Page 6
- **We Are Seeing America** Page 8
- **Let's Talk About Berries** Page 19

MANHATTAN STATE COLL
GEIOCK
538

NOW MORE THAN EVER

You need America's No. 1 tire!

IN these times, no one can tell how many *extra* years of service you'll be needing from the tires you buy today.

That's why Goodyear's SUPER-

SURE-GRIP is the wisest tire buy of all. Its three extra-traction features insure more drawbar pull—*plus extra-long wear to see you through the years ahead.*

Voted the best-liked tractor tire in America in the newest nationwide farm survey, SUPER-SURE-GRIP pulls where other tires don't—yet costs no more!



ONLY TIRE WITH ALL THREE!

1.

GOODYEAR SURE-GRIP ACTION. Goodyear lugs are set closer together at the shoulder than at the center. This exclusive design provides a vise-like grip that holds the soil in the ground, giving the lugs greater traction than curved lugs that "plow out" the soil. Result—Goodyears pull where other tires don't!

2.

STRAIGHT-BAR LUGS. Because Goodyear lugs are set straight as a ruler, they have greater traction area than lugs that toe in. Result: Goodyear lugs thrust against the soil with equal force from center to shoulder, giving better traction both backwards and forwards—"the greatest pull on earth!"

3.

EXTRA-LONG WEAR. Since Goodyear's Sure-Grip lug action holds the soil firmly in the ground, skid, slippage and abrasion are greatly reduced. Goodyear's famous O-P-E-N C-E-N-T-E-R self-cleaning lugs have no mud-catching hooks or cups. The result is smoother riding, less slip, far longer life!

GOODYEAR

Super-Sure-Grip Tractor Tires

We think you'll like "THE GREATEST STORY EVER TOLD"—Every Sunday—ABC Network

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

Here Are Winners In Dairy Judging

EVERY year *Kansas Farmer* awards ribbons to the 5 top judges at each of the district dairy shows over the state. The 3 top winners from each district show then are eligible to compete in the *Kansas Farmer* Judging Contest held in connection with Kansas State Fair, at Hutchinson. Winners there this year will get both cash prizes and ribbons.

Results of *Kansas Farmer* district show contests now are coming in. Those received to date, by breeds, are as follows:

Ayrshire

Northeast Kansas: John Kees, Effingham; Richard Spare, Hiawatha; Arnold Hart, Richmond; Mrs. Wayne Anderson, Ottawa; Mrs. Beryl Ross, Ottawa.

North Central: John Stephenson, Downs; Verlin Hoffman, Abilene; Wayne Bauer, Broughton; Wade Bauer, Broughton; Loren Hoffman, Abilene.

Mid-Kansas: Allen Unruh, Hillsboro; Chester Unruh, Hillsboro; Mrs. Dwight Hull, El Dorado; Sl Lewis, Furley; Dave Kasper, Hillsboro.

Central Kansas: James Kirchgassner, Larned; Charles Zimmerman, Sterling; Chester Kollhoff, Hutchinson; Hubert Burgess, Nickerson; Wilbur Hendershot, Hutchinson.

South Central Kansas: H. F. Stocking, Mayfield; William Hardy, Jr., Winfield; M. B. Dusenbury, Carlin; Mrs. H. F. Stocking, Mayfield; Mrs. H. B. Haddock, Arkansas City.

Southeast Kansas: Royal Hendershot, Hiattville; R. H. Kroenke, Hepler; Mrs. Robert Karr, Humboldt; E. H. Kroenke, Walnut; Mrs. Royal Hendershot, Hiattville.

Brown Swiss

Canton 1: Wayne Miller, Ft. Scott; Jackson George, Lebo; Mrs. Paul Timmons, Fredonia; Zeno Drunsm, Waverly; Irwin Okmie, Alceville.

Canton 2: Curtis Unger, Burden; Linferd Goertz, Hillsboro; Mrs. G. D. Sluss, El Dorado; Mrs. Curtis Unger, Burden; Paul Rempel, Hillsboro.

Canton 3: Albert Behrman, Bluff City; William Timmerman, Freeport; Arthur Duwe, Anthony; V. H. Keith, Sharon; Mrs. V. H. Keith, Sharon.

Canton 4: Don Rudicel, Kingman; Frank Webber, Kingman; Earl Webber, Arlington; Alvin Fornwalt, Pannalosa; Dewey Schultz, Pawnee Rock.

Canton 5: Bob Chamberlin, Topeka; Mrs. Ellis Martin, Princeton; George Shepherd, Richland; Mrs. Paul Green, Topeka; Mrs. Dyer, Baldwin.

Guernsey

Southern Kansas: W. H. Bertholf, Wichita; Ronnie Ringer, Wichita; Loyd Hershberger, Newton; Tim Hershberger, Newton; Mrs. Ernest Adams, Newton.

Northeast Kansas: W. W. Babbit, Oskaloosa; Mrs. Raymond Shetron; W. U. Reddings, Holton; Madge Lorneden; Arnold Lorneden.

Central Kansas: Howard Zook, Rosel; Norma Zook, Rosel; Mrs. Erskine Robson, Abilene; Erskine Robson, Abilene; Mrs. Roy Dillard, Salina.

Holstein

North Central: Martin Ohlde, Linn; Oscar Ohlde, Palmer; Waldo Nelson, Marysville; Albert Ohlde, Palmer; Mrs. K. W. Phillips, Manhattan.

Northeast: Harry Burger, Seneca; Frank Rottinghouse, Seneca; Herman Torkelson, Horton; Harold Jones, Hamlin; Mrs. John Mayer, Hamlin.

East Central: Grover Meyer, Basehor; Harold VanHorn, Pomona; J. M. Mills, Olathe; Art Jensen, Olathe; Carl Dempsey, Olathe.

Capitol: Ralph Stone, Waverly; R. L.

KANSAS FARMER

Continuing Mail & Breeze

121-123 West 8th St.
Topeka, Kansas

Vol. 88, No. 10

ARTHUR CAPPER	Publisher
H. S. BLAKI	General Manager
Raymond H. Gilkeson	Editor
Dick Mann	Associate Editor
Edward W. Rupp	Associate Editor
Gordon B. West	Associate Editor
Florence McKinney	Women's Editor
Dr. C. H. Lerrigo	Medical Department
Mike Wilson	Livestock Editor
J. M. Parks	Protective Service
Roy R. Moore	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 5c.

Hubbard, Emporia; Mrs. Glen Palmer, Topeka; Carl Schneider, Tecumseh; Howard Vernon, Admire.

South Central: Dean Hughes, Waldron; Mrs. Dale Hughes, Waldron; Morris Redfern, Manchester, Okla.; Luther S. Conroy, Conway Springs; C. H. Hostetler, Hillsboro.

Central: Vey Holsten, Enterprise; Lloyd Olson, Bavaria; Jack Carlin, Salina; Mrs. Vey Holsten, Enterprise; Mrs. R. W. Enns, Hillsboro.

Ark Valley: Clifford Claar, Mulvane; Dean Koppes, Newton; George Heersche, Mulvane; Eldon Goering, Newton; Emmett Simon, Clearwater.

Southeast: W. R. Stewart, Coney; Francis Grillot, Parsons; Durward Hines, Erie; Hadly Stanghoner, Iola; Lavern Modesitt, Thayer.

West Central: Elvin Schanfler, Ellinwood; J. J. Yoder, Hutchinson; Eugene Franklin, Hutchinson; Robert Bowman, Larned; August Krueger, Ellinwood.

Northwest: Mrs. Eva McLaughlin, Phillipsburg; Mary McLaughlin, Phillipsburg; Mrs. Ed Feller, Hays; Ed Feller, Hays; Ed Wellbrook, Victoria.

Jersey

Northeast: George Smith, Highland; Tom Tollefson, Horton; Boyd Michael, Kansas City, Mo.; Fred Smith, Highland; Jim Basworth, Horton.

North Central: Charles Copeland, Waterville; John Bowyer, Abilene; Lester Frey, Manhattan; Mrs. John Bowyer, Abilene; George Schurle, Manhattan.

Central: Ray Cudney, Trousdale; Gene McKee, Nickerson; George Heckel, Alden; Fred Krehbiel, Pretty Prairie; Clyde Ewing, Arlington.

South Central: Mrs. John Weir, Jr., Geuda Springs; John Weir, Jr., Geuda Springs; Frank Riggs, Leon; John Wilk, Clearwater; Frank Young, Kingman.

Southeast: Herman L. Bonine, Thayer; F. L. McIrvin, Altoona; Will Hunter, Labette; L. H. Reece, Earleton; Claude Gray, Altamont.

East Central: J. E. Berry, Ottawa; A. H. Knoepple, Colony; A. L. Beale, Iola; Lawrence Brock, Rose; Mrs. J. E. Berry, Ottawa.

Milking Shorthorn

Northwest: Irvin Wolf, Quinter; John A. Yelek, Rexford; Walter W. Stroyek, Edson; Fred Rogers, Menlo; Leroy Harvey, Hill City.

Southwest: Myron Brensing, Hudson; H. R. Lucas, Macksville; Edward R. Drehle, Great Bend; C. L. Alpers, Hudson; Ruth Young, Fowler.

South Central: Harold H. Goering, Moundridge; Henry M. Ediger, Inman; Martin H. Goering, Elyria; R. O. Evans, Wellington; James Heidebrecht, Inman.

North Central: Alfred Heitschmidt, Holyrood; Mrs. George Stoltenberg, Holyrood; Vearl E. Trow, Salina; Charles Dalquest, Wilsey; Mrs. Alfred Heitschmidt, Holyrood.

Northeast: John E. Tate, Horton; Oarvis Thompson, Goff; Myrton Gordon, Horton; Bernard Wassenberg, Marysville; Leonard Pitts, Valley Falls.

Southeast: Mrs. Robert Morarity, Pittsburg; Mrs. Russell McDaniel, Walnut; Mrs. Kenneth Wyatt, Garnett; George Casey, Waverly; Byron Porter, Fredonia.

Watch for more news on dairy winners in future issues.

Likes Ladak Alfalfa For Grass-Legume Mixture

When alfalfa is seeded with brome grass for a grass-legume mixture, George Whitcomb, Chase county, believes the Ladak variety of alfalfa should be given more consideration. It is a hardy variety, wilt-resistant and he believes it will stay in the grass-legume mixture longer.

Ladak's habit of producing one half to two thirds of its total yield for a season in the first crop may also be of value where the pasture mixture is used for early grazing. Brome-alfalfa mixtures on the Whitcomb farm are used for grass silage and as early pasture. By June cattle on the Whitcomb farm prefer native grass.

Suggestion for Saving Alfalfa Seed

Most efficient method of harvesting alfalfa—weather permitting—is to combine direct from the swath, says C. O. Grandfield, Kansas State College agronomist. Because of inefficient harvesting methods and threshing equipment, Kansas is losing on the average about 6,000,000 pounds of alfalfa seed annually, valued currently at \$3,000,000.

Senator Capper on Radio

Every Sunday afternoon at 12:30 o'clock Senator Arthur Capper discusses national questions over WIBW radio station.

I'M BARNEY STRONG! THE STRONGBARN ROOFING MAN! YOU CAN BUILD WITH ME BETTER AND CHEAPER!

SEE HOW I WITHSTAND HEAVY LOADS!

LET ME SHOW YOU HOW I SAVE YOU MONEY!

Yes, Strongbarn Corrugated Galvanized Roofing and Siding is actually 56% stronger than conventional grades of galvanized roofing and siding. That's why Strongbarn doesn't buckle under heavy loads. It fits tighter, too... withstands high winds.

Because Strongbarn is light in weight yet strong, you can space studding and rafters farther apart in new construction, save on the cost of framework materials. It will pay you to investigate Strongbarn now!

Write today for FREE Strongbarn Booklet. Tells you all about how you can build better, stronger... cheaper!

How you can build BETTER STRONGER CHEAPER with patented STRONGBARN

SINCE 1878 GRANITE CITY STEEL



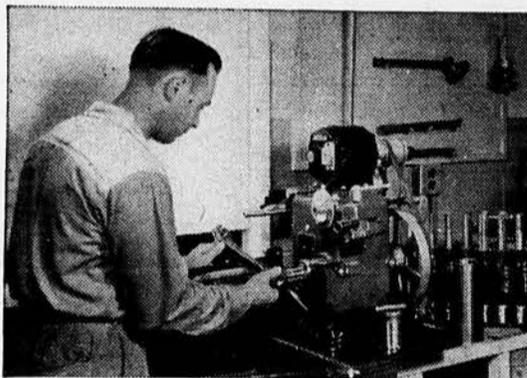
For Food Production Unlimited . . .

IH SERVICEMEN DON'T GUESS. They diagnose trouble fast, with modern testing equipment. There's no waste motion either. They are completely familiar with *all* service jobs, having done them hundreds of times. They work with the speed and skill of factory experts because they know McCormick farm machines.

Here's the most profitable help you can get

Your International Harvester Dealer has IH-trained servicemen...

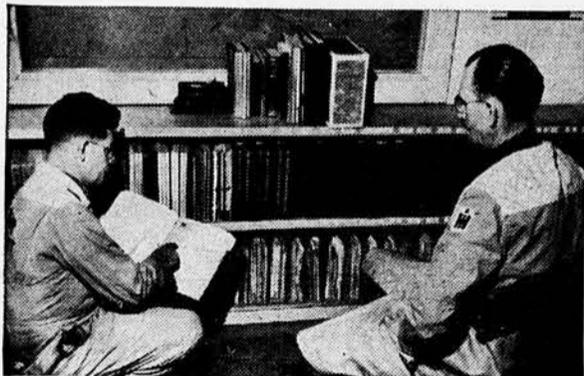
- To give you prompt, precise service
- To put more years of use into your farm equipment
- To do your service work at a reasonable price



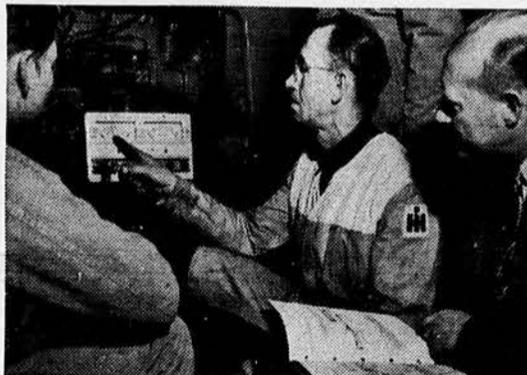
THEY KNOW HOW TO USE PRECISION TOOLS for maintaining the close tolerances that make overhauled equipment act like new. This workman is fitting a piston pin and bushing to close limits—within *thousandths* of an inch.



THEY TAKE PRIDE IN THEIR WORK . . . do it right. This serviceman is using a special gauge and a micrometer to measure main bearing wear. He's making *sure* his work meets IH Blue Ribbon Quality standards.



THEY HAVE THE ANSWERS to your service problems. Over 6,000 shop manuals and service bulletins outline IH *factory approved* service procedures. These detailed shop guides even tell servicemen how tight to draw up bolts.



THEY KEEP UP-TO-DATE with new, time-saving methods . . . learn how to service McCormick machines by attending IH service sessions. Home study courses and on-the-job training constantly sharpen their service skills.



- ★ IH Trained Servicemen
- ★ IH Approved Tools and Equipment
- ★ IH Blue Ribbon Certified Quality
- ★ IH Precision-Engineered Parts
- ★ IH Pre-Service Inspection for Scheduled Service.

FOR CARE THAT COUNTS IN THE FIELD depend on IH 5-Star Service. 25,750 parts and servicemen, working for 5,400 IH dealers all over America, make IH 5-Star Service readily available when you *need* it.



INTERNATIONAL HARVESTER

International Harvester builds equipment that pays for itself in use—McCormick Farm Equipment and Farmall Tractors . . . Motor Trucks . . . Crawler Tractors and Power Units . . . Refrigerators and Freezers—General Office, Chicago 1, Illinois.

Thoughts

TO LIVE BY



Hero Worship

NATHANIEL HAWTHORNE told the story of "The Great Stone Face." On the perpendicular side of a mountain, nature had in a majestic mood of playfulness sculptured the features of a masculine face. As Ernest sat in front of his cottage one day looking at this stone countenance, his mother told him the legend about it which had come down from the Indians. Someday, someone in mature life would have a countenance resembling that of The Great Stone Face. Its features were so benign that Ernest hoped the man would appear within his lifetime.

A successful businessman decided to retire in the valley. Many people attend the lavish welcome extended to him. When Ernest saw him, he was disappointed for his features did not resemble those of The Great Stone Face at which he daily gazed.

Sometime later a general returned to the valley. At the dinner given in his honor, he was praised as the greatest military man of his age. But he bore no resemblance to the kindly man of the mountains. Only a man of peace could look like him.

Ernest possessed a simple wisdom that brought him a measure of fame. He daily shared his insights with his neighbors, and as they spoke of them to others, his influence reached beyond the valley.

One day a famous poet visited him. Ernest was sitting in front of his cottage reading a volume of this man's poems when his guest arrived. After exchanging customary greetings, the poet noticed a wistful look of disappointment on the face of Ernest. Was it because he did not resemble The Great Stone Face? Yes, Ernest had hoped it might be he. The thoughts expressed in the book were almost divine. But the poet confessed that his life was not consistent with his thoughts, so he

could not resemble the famous face.

About the sunset hour, Ernest took the poet with him to the place where he spoke to his neighbors. There was a niche in the rock which formed a natural pulpit. As Ernest took his place, the listeners gave him rapt attention. The poet stood so he could see both Ernest and, in the distance, The Great Stone Face. As Ernest was about to express a sublime thought, the poet saw what others had missed. He shouted aloud that Ernest himself resembled The Great Stone Face.

Yes, Ernest had come to look like his hero. Don't we all? Psychology informs us we grow in the direction of our dominant mental imagery. Whatever gets our attention, gets us. We become like the god we worship.

Ah, that makes the selection of our heroes important and the worship of our God essential. God "did predestinate us to be conformed to the image of his Son": We can "grow in grace, and in the knowledge of our Lord and Savior Jesus Christ."

O Son of man, our hero strong and tender,

Whose servants are the brave in all the earth,

Our living sacrifice to thee we render,

Who sharest all our sorrow, all our mirth.

O feet so strong to climb the path of duty,

O lips divine that taught the words of truth,

Kind eyes that marked the lilies in their beauty,

And glowing heart that kindled at the zeal of youth.

—Frank Fletcher.

To those who heroically worshiped the Master, John wrote, "We know that, when he shall appear, we shall be like him." Such hero worship has produced gallant men down thru the ages.

—Larry Schwarz.

Unusual Sign Contest

Here are 2 winning entries in Kansas Farmer's Unusual Sign Contest. There are interesting stories behind each of these unusual farm entrance signs. The contest is still open, send in your story and a picture of your farm entrance. Winning entries receive a \$3 prize.



Helps Sell Pups

Dear Editor: In raising registered puppies, we found a ready market thru pet shops in other states, but didn't sell too many locally. We decided "The more you tell, the more you sell." Therefore, "Necessity, plus ingenuity, equals the mother of invention" for a roadside

sign at our driveway. The result of the sign is many sales and compliments. The sign is made of a discarded iron frame and heavy sheet iron wired in place. We used aluminum paint and black enamel. The bottom line is put on with chalk and can be changed at will. The sign can be seen easily at night at a distance, encourages many people to stop.—Mrs. Elmer Saylor, R. 3, Winfield.

For Chicken Ranch

Dear Editor: The most unusual sign we ever used on our farm was also the one that brought the best returns and so promptly, too. We had about 2 dozen hens we decided to sell by means of a roadside sign. Our 12-year-old son drew a picture of a layer with an egg near by. The plan was to add an egg each day. The words, "An all-around layer," were inscribed near by and we left room to add many more eggs. But presto!—before evening the first day, we had many inquiries and finally a buyer who not only purchased the hens but also the clever sign which he plans to use on his chicken ranch in an adjoining county.—Mrs. A. J. Winters, R. 1, Danville.

Nitrogen Bought this House!



YOU, TOO, CAN COUNT ON EXTRA PROFITS FROM SPENCER NITROGEN

In February, 1950, Bill Marshall bought this fine five-bedroom farmhouse near Marshall, Mo. Four years before, when he and his brother Joe returned from the service, they were \$5000 in debt!

Today, both Marshall boys own their own homes (Joe has a brand-new ranch-type house) and together, they have bought 1200

acres of land, five tractors, a truck, a jeep, two corn pickers, two new automobiles, 290 head of beef cattle, and 370 hogs!

The Marshalls give Spencer Ammonium Nitrate Fertilizer full credit for their amazing success.

Here's a yearly summary of the Marshalls' fertilizer program:

1947.. Bill and Joe borrowed \$1000 and bought enough nitrogen fertilizer for a 100-pound-per-acre application on 200 acres of corn. Although 1947 was generally a poor corn year, the Marshalls averaged 50 bushels an acre. Their neighbors were lucky to get 20 bushels.

1948.. Bill and Joe used a starter fertilizer and 300 pounds of Spencer Ammonium Nitrate Fertilizer per acre. (The starter proved the importance of balanced plant foods, and they have used phosphate and potash every year since.) Sixteen acres made 136 bushels each! They planted 25 acres less land than the previous year, but got twice as much corn!

1949.. Although their land had been in corn several consecutive years, the Marshalls didn't return it to legumes. They disced in the stalks and then plowed them under to maintain tilth. With another application of nitrogen fertilizer, the 275 acres they planted harvested a total of 25,000 bushels . . . or an average of 91 bushels per acre!

1950.. From 320 acres, the Marshall brothers brought in 30,000 bushels of corn . . . an average of 94 bushels per acre. To produce this amazing crop, they plowed down Spencer Ammonium Nitrate Fertilizer and then side-dressed 100 acres of their best land with nitrogen.

Bill and Joe Marshall have proved beyond a doubt that it pays . . . and it pays well . . . to farm with Spencer Ammonium Nitrate Fertilizer. A planned fertilizer program can make you a more prosperous, more productive farmer, too. Why pass up these extra earnings from nitrogen fertilizer? It's not too late to side-dress

this year's corn crop! Talk to your fertilizer dealer today!



A POUND OF NITROGEN PRODUCES A POUND OF BEEF!

In a three-year test in Indiana, an additional ninety pounds of beef per acre were produced by using an annual average of 100 pounds of nitrogen on permanent pasture. G. O. Mott of Purdue University, who reported these results to a recent meeting in Chicago, said that low results in 1948, a dry year, depressed the averages. Beef production in 1949 and 1950, both years of adequate rainfall, aver-

aged more than a pound of beef for each pound of nitrogen applied.

FREE FACT FOLDER

On corn, as well as on pasture, farmers have found that Spencer Ammonium Nitrate Fertilizer pays back \$2 to \$5 for every \$1 invested. Today, write Spencer Chemical Company, 617 Dwight Bldg., Kansas City 6, Mo., for, "You Can Grow Corn For As Little As 25c a Bushel." It's absolutely free!

SPENCER CHEMICAL COMPANY

Executive and Sales Offices: 617 Dwight Bldg. Kansas City 6, Mo.

Works: Pittsburg, Kans. • Henderson, Ky. • Chicago, Ill. • Charlestown, Ind.



No. 3 in a series of articles
on wheat diseases

Wheat Breeders Concerned About New Smut Disease

By CLAUDE KING, Extension Plant Pathologist
Kansas State College

IT TAKES at least 10 years for wheat breeders to produce a new variety.

Before they can start, time is needed to obtain suitable parent varieties with desirable characteristics. The new dwarf bunt disease of wheat, which has spread over several Western states and has reached Western Colorado, is one of the undesirable characteristics breeders must fight to produce a disease-resistant variety. Breeding stock is needed with which breeders can produce a variety resistant to the 7 strains of wheat mosaic virus, the new 15 B race of stem rust, in addition have other desirable characteristics. No one knows how soon we may be in real need of such a variety.

Apparently, when dwarf bunt is once in a field, it will always be there and seed treatment has no effect in controlling it.

Many Cars Grade Smutty

In many Kansas counties it is difficult for wheat growers to realize the importance of bunt disease because they have not had enough in their fields to be noticed. It is a fact, however, that nearly every year at least 3 out of every 100 carloads of wheat received at Kansas City and Wichita are graded smutty or light smutty. (Stinking smut is also called bunt.) In years when growers become lax about treating seed, the percentage goes up. This means 3 out of every 100 wheat fields are smutty. Many of the smutty cars come from the north-south-central one third of Kansas, but some come from other parts of Kansas.

This amount of infested wheat is a constant threat. Experimentally, it has been shown that weather affects bunt infection. Wheat seed can be used which has bunt on it (but not enough bunt to be seen with the unaided eye), and under certain soil temperature and moisture conditions, 50 per cent of the crop will be smutted.

Treating Cost Is Small

A grower should not take the chance of not treating wheat seed. This is particularly true when he uses seed which was not grown on his farm, or if he used a custom combine and custom trucks. Cost for seed treating material, if Ceresan is used, is only 3 cents per bushel. This means a cost of less than 3 cents an acre to the average Kansas wheat grower.

If a grower is concerned about cost of Ceresan, he can reduce seeding rate 4 per cent and make money. Tests at Kansas State College have shown various lots of seed given from 0 to 14 per cent increase in stand with Ceresan, with the average almost 5 per cent. If one is seeding a bushel to the acre he can seed 57.6 pounds of treated seed and get the same number of plants as if he used 60 pounds of untreated seed. The 2-4 pounds of seed saved would be worth much more than the 3 cents the Ceresan cost.

Best Ceresan for treating wheat seed is Ceresan M. It is somewhat less irritating to use than the old New Improved Ceresan. Only ½ ounce per bushel should be used. Ceresan should be on the seed at least 24 hours before planting to allow time for it to volatilize sufficiently. Any good mixer is satisfactory for applying it to the seed. There are 300 stationary cleaner-treaters operated by elevators and other businesses in the state, and 100 portable cleaner-treaters. These are a great help in getting seed treated.

Easy Way to Do Job

Auger loaders enable growers to treat seed with ease. Some have made a small hole on top of the auger tube where it is handy to work and have welded a short pipe in this hole. An ordinary funnel can be set in this pipe and Ceresan can be fed into it with a spoon as the seed is augered to the truck. By knowing the bushels per hour augering capacity, a grower can calculate how often a bushel passes the Ceresan feeder and he can often put a ½-ounce spoonful in that. This requires no extra handling of grain for

seed treatment. Treated grain should set on the truck at least 24 hours.

Dwarf bunt is not in Kansas yet as far as is known. It was first found in Utah in 1935 and has spread to Idaho, Washington, Oregon, Montana and Western Colorado. It is considered an especially serious disease because seed treatment will not control it, and once in a field it lives there indefinitely, even tho wheat is not present. Some states named have developed resistant varieties but none are more than 80 per cent resistant. Compared to stinking smut, dwarf bunt has a more nearly round smut ball and plants usually are much more dwarfed.

Look at the Picture

In the picture of wheat heads accompanying this article, the naked-looking smutted head on the right is loose smut. It cannot be controlled by seed treatment with chemicals such as Ceresan because the fungus infection is borne on the inside of the seed. At blooming time, the dark brown spores from smutty heads are blown about by wind. They get down into healthy spikelets where the seed is starting to form. A spore can germinate there, infect the otherwise healthy kernel. These kernels grow to maturity and look normal but when planted in the ground in fall, the fungus grows in plant tissues as the plant grows and produces loose smutty heads in the crop. If there is moist conditions at blooming time, it is favorable for loose smut infection. Only control for this disease is either resistant varieties or proper hot water seed treatment.

On the left in the wheat head picture is a smutted head but the smut is not apparent as in the case of loose smut. The head on the left is affected with stinking smut.



SHOWN AT LEFT is stinking smut or bunt, in center is a healthy head, and at right is loose smut.

Broiler Growers Meeting June 1

A PROGRAM for broiler growers, first of its kind in Kansas, will be conducted at Kansas State College June 1. L. F. Payne, head of Kansas State College poultry husbandry department, says exhibits, a broiler barbecue, testimonials and talks are planned.

J. R. Redditt, Cudahy Packing Company's authority on broilers, and Paul Zillman, Kansas City, Mo., will be principal speakers. Others on the program will be successful growers and hatchery operators in Kansas, and

members of the college poultry staff. Subjects to be discussed at the meeting include popular breeds and crosses, feeding for economical growth, good management, freedom from disease, experiences with broiler chicks, low-cost housing, and producing, processing and marketing broilers.

Commercial broiler production in Kansas reached an all-time high of 2 million birds last year, a 35 per cent increase over the previous year.

4-H Camp Season Opens May 25

The 1951 4-H Club camp season opens May 25. For the coming summer, 65 Kansas counties have scheduled their county camps at Rock Springs Ranch, state 4-H leadership training center. The position of camp director for the 1951 season has not been filled as yet. J. Harold Johnson, state 4-H Club leader, recently accepted, with regret, the resignation of Glenn Burnette, who had served as director for 5 years. Mr. Burnette is principal of the Manhattan junior high school. "In Glenn Burnette we had a splendid educator, who saw the program not as recreational alone but as an opportunity to train youth in leadership," said Mr. Johnson.

Kansans to Attend Holstein Meeting

Three Kansans are among 152 official delegates elected by member-breeders of the Holstein-Friesian Association of America to attend the 66th annual convention of the association in Des Moines, June 4 to 9. Kansas dairymen include Leo H. Hostetler, Harper; E. A. Dawdy, Salina, and W. H. Mott, Herington. Each state is represented by several delegates determined by the number of member-breeders within the state.

Flag Day Program

If you are planning a program for Flag Day, June 14, our leaflet, "Patriotic Music in Story and Song," will give you suggestions. The program is suitable for any patriotic event, and requires an announcer and 7 men or women narrators, a male quartet and a chorus of mixed voices. In other words, it's for the community and by the community. Program may be presented indoors or outdoors. Please send 5c to Entertainment Editor, Kansas Farmer, Topeka, and your order will have prompt attention.

The Farmer's Daughter Invades "All Men" School



Ten Women Take State Ag Course

culture curriculum in the School of Agriculture. Taking the same course is Marion Alice Rogers, Manhattan, freshman student.

There are 5 sophomores. Barbara Collins, Manhattan, is majoring in animal husbandry. Her father is a truck farmer. Patricia Fegley, Whitewater, is studying milling chemistry. Her father is superintendent of the Whitewater Flour Mill. Marlene Falley, Topeka, is an animal husbandry student. Her father is a truck gardener. When Marlene graduates she wants to work on a "working ranch." Her first love is horses. Suzanne Sykes, farm girl from near Salina, is taking the general ag course. At first she was self-conscious in the predominant male classes, but says, "I got over it." Margaret Goetz, Merriam, decided on the landscape design curriculum. She likes to get out in the soil and work in a garden.

Tamara Chajuss, a senior student in milling chemistry, calls Tel Aviv, Israel, "home." Her father is engaged in the milling industry in that capital city. Betsy Stienstra, from Buenos Aires, Argentina, is interested in landscape design. She is a senior student this year. Kathleen Brubaker journeyed from Clifton, Ariz., to go to ag school in Manhattan. She is a sophomore in floriculture and ornamental horticulture.

Most of these women students in agriculture are "from the soil." All plan to make good use of their new knowledge, whether it be at home as a homemaker or out in the "used-to-be" male-dominated agricultural world.

AS MANY a farmer knows, a lively and interested daughter on the farm is a great helpmate and an asset to the farm business. Today, many a male student in the School of Agriculture at Kansas State College is finding "the farmer's daughter" is becoming an interested ag student and is rapidly invading what was formerly a so-called "all men's school."

There now are 10 girls majoring in the School of Agriculture at Kansas State College. Seven girls are Kansans, one is from Arizona, one is from Israel, and one is from Argentina. Last year there were 9 "girl ags." In 1940, there was an outstanding girl student in agriculture and journalism. Marjorie Higgins, from Linn, was editor of the Kansas Agricultural Student, the campus ag school magazine. She was the first woman student to become editor. She was outstanding in both scholarship and campus activities.

Diane Blackburn is one of 2 freshman students in agriculture. She hails from a Stafford wheat farm, is taking the floriculture and ornamental horti-

Farm Matters

AS I SEE THEM

I CAN imagine no more certain way of cutting down meat production, and inviting a beef famine—when government itself is urging farmers to produce more food—than the recent beef price ceilings order issued by the Office of Price Stabilization. In the process this program, if carried out, will ruin many small cattlemen who bought feeders during the winter and early spring at prevailing prices.

Also, as I believe Representative Wint Smith, of Mankato, showed a few days ago, it will force many small packing plants to go out of business. Local communities which have been depending largely on these local slaughterers for beef, will go "beefless" unless they go into the black market. Because the packers in the big packing centers are under quotas which will not permit them to take on any new wholesale or retail outlets.

But, you might say, the quotas for the slaughterers still in business can be increased to take care of the customers of the little packers forced out of business. Well, if that were done, then you have probably permanently eliminated another branch of little business, in favor of big business. The administration continually cries that it is trying to help little business—but all its spending and control programs seem to result in making big business bigger and little business "littler," or nonexistent.

Rep. Clifford Hope, for Kansas, put it in a nutshell—after pointing out that the three rollbacks combined will reduce cattle prices almost one fifth—when he told the House of Representatives:

"How can a man stay in business when he

knows the longer he stays the more he will lose?"

He cited a cattleman in his own district who bought 100 head in Texas 3 weeks before at prevailing prices. The heifers averaged 500 pounds. He paid 37 cents a pound. Normally, these cattle would be pastured thru the summer, sold around October.

"I do not know what he will do now," Congressman Hope said. "He has invested \$185 each in these cattle. By October he will have invested \$230 in each. Grading commercial, the price ceiling at Kansas City will be 26 cents a pound. Assuming they gain 200 pounds, cost at that time will be 33 cents a pound—loss of 7 cents a pound, or \$49 a head. How long can he stay in business under those conditions?"

And then Mr. Hope asked this pertinent question:

"Does this look like a good way to increase the supply of beef for the American people?"

Here is the picture today of the plight of the small packer, say at Mankato, as figured by Representative Smith, of the Sixth Kansas district—this is before all the rollbacks have gone into effect. He slaughters a 700-pound steer, which dresses out 371 pounds of edible meat. He pays 31 cents a pound for the animal: \$217. Because he cannot afford to pay some \$28 a day for a certified "grader" from the Department of Agriculture, it has to be sold as "com-

mercial" grade. That has a ceiling of 47.2 cents. So, the little packer gets \$175.10 for the 371 pounds of edible meat. The 45 pounds of hide he can sell for \$13.70—at 30.5 cents a pound. He can sell the heart and liver for \$8. That adds up to \$196.80,

or \$20.20 less than he paid for the steer. That packer cannot afford to stay in that business losing \$20 on every animal he slaughters. And these figures do not include anything for his own labor nor for his investment in plant and equipment nor for sales costs.

And I don't see where the perhaps clever answer of Eric Johnston, administrator of Defense Mobilization Agency, when asked by Congressman Buffet, of Nebraska, what the cattleman who could not afford to stay in business under the rollbacks should do, solves the problem. They had been making some comparisons with Russian conditions.

"Well, this is not Russia," said Mr. Johnston. "No one can compel a man to stay on a certain job, nor in a certain business. If your cattleman finds he cannot continue in the cattle business profitably, he is at liberty to go into some other business."

Well, I fail to see how that will get us more meat, nor even as much. Nor will it help solve the problem of inflation and high prices.

Friends, you cannot have cheap dollars and cheap prices both.

Arthur Capper

Topeka.

Farming Important in Defense Program

SECRETARY of Agriculture Brannan says the Department of Labor has added farm operators and assistants to the list of critical occupations.

This list of critical occupations is supposed to be used as a guide in selection of manpower for the Armed Services. And by the Defense Department for considering requests for delay in call to active duty of reservists and of the National Guard. Selective Service is to make the list available to local draft boards to assist in proper classification of workers in essential civilian activities.

"The addition of farm operators and assistants to the list will aid Selective Service in considering cases of key farm workers needed to produce record agricultural supplies for defense," says the Brannan news release.

Detailed definitions of "Farm Operators and Assistants" included on the critical list follows:

"Farm Operators and Assistants: Perform without supervision a wide variety of the following skills in commercial agricultural production where applicable to the particular type of farm on which he works; or supervises workers of lesser skill; prepares soil for planting by plowing, harrowing and fertilizing; seeds, cultivates, and harvests crops. Irrigates arid lands and practices erosion control. Cares for livestock. Operates, repairs and maintains farm implements and mechanical equipment, such as tractors and electric motors, combines, gang plows, ensilage cutters, corn and cotton pickers, milking machines and hay balers, used in the production of crops, such as grain, vegetables, hay, fruit, cotton, and/or livestock, poultry and their products.

"Repairs farm buildings, fences and other structures. On specialized farms, such as dairy or livestock farms, performs such tasks as scientific feeding and selective breeding, rotating pastures, operating and maintaining dairy equipment, sterilizing containers and equipment, and maintaining sanitary conditions in barns.

"Knows over-all farm operations including when, how and where crops

should be planted, cultivated, sprayed, and harvested. May determine when and where products will be marketed. Trains and supervises casual and seasonal workers during planting and harvesting."

Latest reports here are that Brannan is having difficulty getting the allocations and priorities section of the Office of Defense Mobilization to allocate needed priorities on sufficient steel for farm machinery and equipment. Reports (scattered) from over the country indicate there are more shortages of maintenance repair parts than of farm machinery and equipment.

The impending "battle royal"—everybody blindly striking out for himself—over extension of price controls beyond June 30, 1951, centers right now about the lately announced OPS order, effective as to the price of beef on the hoof May 20. Packer, under the order, can pay on an average every month, for live animals, 10 per cent less than he is now paying for cattle.

Another 4½ per cent rollback is ordered for August 1; a third, also 4½ per cent, is to become effective October 1.

Consumers are not to get any benefit of the May 20 rollback. The 10 per cent cut is for benefit of packers and handlers, who Michael DiSalle says have been caught between the retail ceilings imposed by the January 26 order, and the advancing prices of live cattle since December.

If and when the August 1 and October 1 rollbacks become effective, the prices of beef at retail are planned to drop 9 or 10 per cent below present prices—"about 10 cents a pound average," OPS estimates.

There is so much heat from the country over the beef cut order by OPS, that some are predicting it will result possibly in refusal of Congress to extend price controls at all.

When the votes are counted in Congress, however—and that may not be until late July—odds still are that controls will be continued, but with what the Administration would regard as "hampering" restrictions. And included in the "hampering" restrictions could be a prohibition of the second and third rollbacks on live cattle prices.

The OPS standing in Congress has not been helped any by the fact that just prior to the live cattle price rollback order, the Wage Stabilization Board allowed an 11 per cent increase in wages for packing house workers.

Cattlemen poured into Washington last week to protest the order, on the ground it will result in less beef instead of more; the scarcity will call for rationing and black markets; and then the resort to subsidies.

That the subsidy program is anticipated by the Administration was made plain by Charles E. Wilson, ODM, in his appearance before the Senate and House Banking and Currency committees last week. He recommended a number of amendments to the present act, including (1) removal of the present prohibition against government importing agricultural commodities for purposes other than stockpiling and industrial uses, and (2) "authority to pay limited domestic subsidies to meet production and stabilization" including "high cost processing of agricultural commodities."

The amendment provides the President may authorize subsidies to high cost processors of agricultural commodities if he finds "that under ceilings on products resulting from the processing of agricultural commodities, including livestock . . . certain high cost processors will be unable to maintain production, and that continued supplies from such processors are

necessary to carry out the provisions of the act."

Wilson told the committees: "This subsidy authority would provide means for maintaining production objectives consistent with our efforts to stabilize the cost of agricultural products, particularly meat. It would be applied on a limited basis, and only if the continued production of these high-cost processors is found necessary in the general mobilization program."

Just preceding Wilson's appearance before the Senate committee, the chairman, Senator Maybank of South Carolina, released a statement (and made it part of the hearing record) in which he said:

"In my opinion the beef rollback and the tailored price ceilings for meat from the slaughter level to consumer places the entire livestock industry under the regimentation of a few men who have had very little experience in production, processing or distribution.

"The effect of the beef order will be to cut back production, thus defeating the primary purposes of the Defense Production Act.

"The price rollback definitely will not be 'fair and equitable' to the feeder of livestock on the basis of current prices for feeding cattle, and feed. The tailored ceilings will work a hardship on slaughterers and distributors of meat, even to the extent of forcing them to take a severe monetary loss.

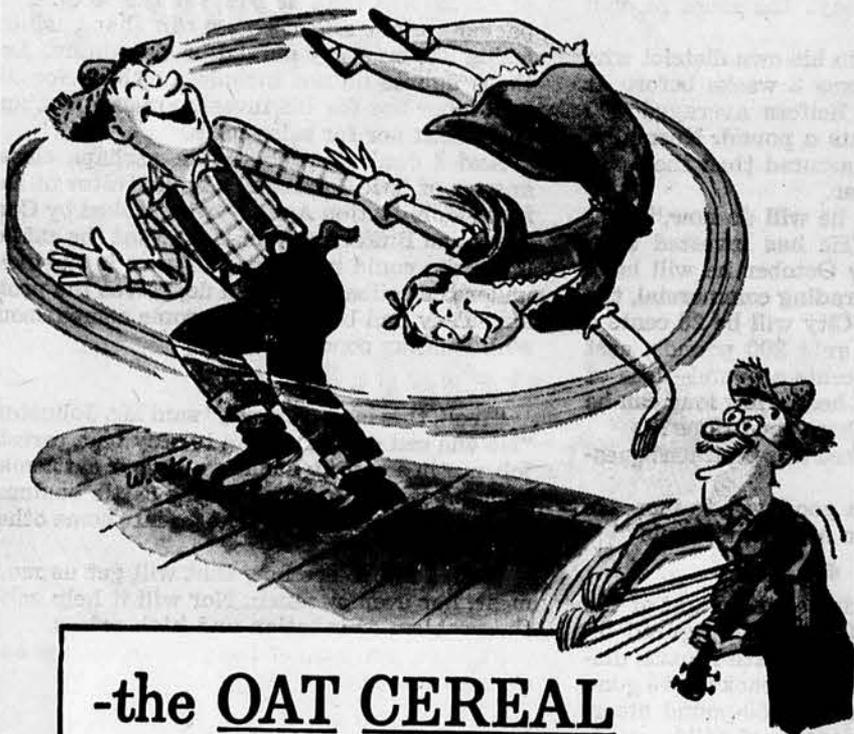
"The experience which we had with the OPA should be proof enough to convince anyone we cannot regiment the entire meat industry from producer to consumer without creating chaos.

"I feel the motive which led to the order on beef prices was dictated by a misconception as to the effect of meat prices on the cost of living. The general public has been led to believe the present price of beef is out of line with ability to pay. The changes of income levels have not been considered in analyzing the problem of beef prices.

"In 1948 the average price for prime cattle on the Chicago market was \$35.24 per cwt., and the average hourly wage in all industry was \$1.35.

(Continued on Page 27)

He's feeling his
CHEERIOS...



-the OAT CEREAL
that needs No Cooking!

★ ★ ★

Yes ... a ready-to-eat OAT CEREAL
with a whale of a lot of GO power!

Betty Crocker of General Mills, America's first lady of food, says: "A nourishing breakfast built around a good cereal like *Cheerios*, with milk and fruit, is exactly what you need to help brighten your day and lighten your step." Tiny, doughnut-shaped *Cheerios* are so appetizing, too! Crisp, with a fresh, toasted-oat flavor, and ready to eat! Try *Cheerios*!



Article No. 3

We Are Seeing America West and Northwest

By FRANCES R. WILLIAMS

OUR main objective in Eastern South Dakota was Brookings, location of the state agriculture college. Here we planned to interview, if possible, Dr. Niels E. Hansen, one of the greatest living horticulturists, the man who has done for Midwest farmers what Luther Burbank did for the fruit growers of California.

We inquired at the office of the horticulture department of the college. Would it be possible to visit Doctor Hansen's experimental plots and to see him personally? The girl at the desk shook her head. Pointing to the stacks of filing cases in the room she said, "The records and findings of Doctor Hansen's experiments are contained in those files, but you cannot see him. He is confined to his bed and sees no one, now. But," she added, "perhaps his daughter, who lives with him, will see you and grant you an interview." We found the large green house on the corner, only a stone's throw from the west side of the campus, typical of those built in the early 1900s.

A tall woman came to the door when I rang the bell. After I had stated my mission, she graciously invited me to enter the comfortable living room. The home had the feeling of hospitality. There were books on tables and bookshelves lined the walls. The tall, blonde woman, who wore her hair in a coronet braid was Eva, Mrs. David Gilkerson, the daughter who, 5 years earlier, had given up her home to care for her aged father when the mother died very suddenly. I was struck by the beauty of the expressive blue eyes of this devoted daughter, as she related the events in the life of her famous father and told of his many accomplishments.

Was Born in Denmark

Niels Ebbeson Hansen, born January 4, 1866, in Riba, Denmark, came to America at the age of 9 to act as interpreter for his father, who was an artist. The family located in Des Moines, Ia., in 1876, when the father was commissioned to paint the murals in the newly-erected Iowa state capitol building. A part of these original paintings, the blue, star-studded ceiling of the dome, may still be seen. Young Niels graduated from Iowa State College at Ames in 1886, where he had made a brilliant record. In 1894, he was sent by his Alma Mater to study crop varieties in Russia. Hansen came back with the idea that instead of trying to acclimatize existing crops at home, we should find new varieties, which nature has adapted over thousands of years in comparable climates.

Three years later he was sent by the secretary of agriculture, James Wilson, to explore Asia in search of plants that would do well in the high arid plains of the United States. He reached the dry steppe region east of the Volga river during the heat of summer. Dust rose in choking clouds making breathing difficult. Doctor Hansen poured water over a sponge and tying this over his mouth, he was able to continue his journey. He noted the animals in the caravan seemed to be well nourished and in good flesh despite the scanty feed supply. He learned that a native grass supplied the forage for the animals. Doctor Hansen brought back the seed of this grass to America and altho it attracted little attention for 20 years, this grass now called "Crested Wheat" grass has turned out to be the wonder grass of the West.

On the same trip he made the discovery of the wild blue-flowered alfalfa. Could this plant be the answer to the problem of winter-killed alfalfa? He would need to follow the plant to the northernmost limits to be sure. But the arctic winter came on and he failed to



Frances R. Williams

complete his quest until 9 years later on another expedition. He found the northern limits of the blue-flowering plant and the beginning of a more hardy yellow-flowered species in the meadows of Irkutsk, Siberia. It was here, too, he discovered a plant, a cross between the 2 species: a natural hybrid and the world's hardest alfalfa. From only a half teaspoon of seed, Doctor Hansen developed the "Cossack" alfalfa, which is hardy and drought-resistant. Thus Doctor Hansen had launched the great program of world plant exploration, which led to other important alfalfa introductions revolutionizing the growing of this valuable legume, and exerting vital influence on the agriculture of the Great Plains.

Today in the back yard at the Hansen home, a small patch of the yellow-flowered alfalfa, planted from seed brought back from Siberia 50 years ago, defies all efforts to kill it out. Altho extremely hardy, the variety proved disappointing in hay and seed yield.

Started Brome Grass Here

Ranking in importance with Doctor Hansen's experiments and importations of alfalfa and crested wheat grass is the introduction of brome grass. Becoming interested in Austrian brome, he discovered the seed came from the Volga region of Russia. A shipment of 12 tons of seed, all that was available, was sent back to the United States. From that shipment, brome grass has spread all over the western plains. Like crested wheat grass, it resists cold and drought, extends the grazing season and halts erosion. On other trips Doctor Hansen brought back thousands of new seeds and plants, while his crosses account for many more thousands.

Especially notable have been his experiments with fruits. His work with plums and apricots from hardy varieties discovered in China, has produced varieties that are hardy on the high western semi-arid plains, and has succeeded in improving the size and flavor as well. Not only has Doctor Hansen produced valuable grains, grasses and fruits in his importations and crosses, but flowers and shrubs to beautify the home, have received his attention as well. At one time he was asked to supervise the entire seed and plant introduction work of the Department of Agriculture, which Doctor Hansen refused, preferring to remain with the State College of South Dakota and continue his experiments with crops suitable for the Midwest.

(Continued on Page 9)

Glamorous Desserts, June 2 . . .

Looking for a new dessert? We'll have them for you in the next issue of *Kansas Farmer*. New, good to look at and good to eat, home tested to fit your family. Watch for the story, "Desserts, New and Glamorous," in the Home Department, June 2.

**"LUBRIPLATE
KEEPS 'EM ROLLING
IN MUD, MUCK
AND WATER"**



Running a tractor is not always like a pleasure car ride on a concrete highway. Every farmer prays for rain, yet rain turns fertile soil into mud and muck that must be worked by the calendar and not by the weather. Furthermore, it is often impractical to store farm machinery under cover. These are the reasons why thousands of farmers everywhere are using LUBRIPLATE Lubricants for their tractors and other farm machinery.

**LUBRIPLATE
REDUCES FRICTION
AND PREVENTS RUST**

LUBRIPLATE is used in the manufacture of cars, trucks and other farm machinery. Today LUBRIPLATE is a *must* for the lubrication of underwater bearings of dredges and all construction machinery. It prevents rust, arrests progressive wear of parts and reduces friction to a minimum. LUBRIPLATE goes farther, hence is more economical to use. It is, therefore, the perfect lubricant for the farmer.



**Recommendations for
LUBRIPLATE LUBRICANTS**

NO. 130-AA . . . for general grease lubrication of Machines, Trucks, Tractors.

NO. 70 . . . for lubrication of Wheel Bearings, Universal Joints, etc.

NO. 4 (90 SAE winter) **NO. 8** (140 SAE summer) . . . Transmissions, Differentials, Final Drives.

LUBRIPLATE
THE MODERN FARM LUBRICANT

**FREE! 75c-1-Lb.
Working Sample**

INTER-STATE OIL CO.
37 Shawnee Ave.
Kansas City, Kan. **KF2**

Just mail this coupon—Your FREE can of waterproof, rustproof LUBRIPLATE will be sent postpaid. Try it in your own gun. Just include name and address of your tractor dealer and list makes of cars, trucks and tractors you operate.

Name
Address
Town
County State

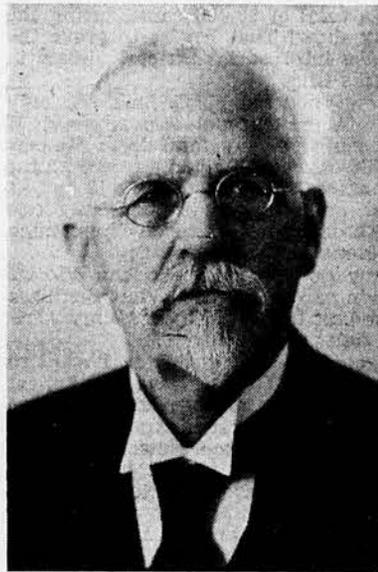
The Cheapest Grease in the World **33c** Per Lb. in Drums

Also 100, 25, 5 and 1-lb. Cans
SEND FOR FREE SAMPLE
● LEARN WHY ●

In 1937, Doctor Hansen became Professor Emeritus, but his interest in his work and experiments continued. He has been honored repeatedly with horticultural awards. In 1944, Iowa State Horticultural Society honored him for his 50 years of achievement. His last public appearance occurred on August 25, 1949, when he was honored by the South Dakota State College and State Horticultural Society at the unveiling of a plaque and monument.

Endured Heat, Cold, Danger

Now, as in the past, scientists in the field of horticulture continue to come to Brookings to study experiments and findings of Doctor Hansen. But in his room upstairs, this stalwart, aged giant of the plant world has been laid low by physical infirmities. There was sadness in the expressive eyes of the daughter as she talked of his present condition. "Thinking to interest him in the news of the world, yesterday, I told him of the fighting in Korea," she remarked. "Then all day long, he lived in the past. He talked of his visit to Seoul, recalling events of so many years ago." She went on, "Father endured dust, heat and cold, danger from bandits in foreign lands to find and improve plants that would benefit the common man. He has always led a clean, temperate life. He is especially fond of fruits and



Dr. Niels E. Hansen

has a keen taste for flavor. One test the fruit of his experiments must pass was that of pleasing, palatable flavor."

Mrs. Gilkerson continued, "Mother was his helpmate in more ways than one, thruout the years. She was testing and cooking 5 different samples of fruit for him when she was stricken. I asked my father, 'What shall I do with these?' He replied, 'Put them aside, I will attend to them tomorrow.' But he never did and from that day of Mother's death, he has seemed to lose his zest for living and has gradually failed."

Crops Are Monument

The barber who has served Doctor Hansen for 25 years now comes to the home and was making his morning call. He finished his work, came down the stairs and went out. Mrs. Gilkerson excused herself to see whether Doctor Hansen would care to speak to me. She soon returned with the information that her father was sleeping. He had a very restless and uncomfortable night.

As we drove thru the campus on our way out of town, we passed the monument erected to honor the long years of achievement of Doctor Hansen. But the real monument to the life's work of Doctor Niels Ebbeson Hansen are the thousands of acres of crested wheat grass, fields of knee-high alfalfa, brome pastures, orchards that enrich the productiveness of our country, and the shrubs and flowers around the homes that satisfy the longing for beauty: This a greater monument than one of mere stone.

Little Folks Party

Our leaflet, "Balloon Birthday Party," will help you with suggestions when planning a party for young son or daughter. Ideas for games and refreshments are given. The Entertainment Editor, Kansas Farmer, Topeka, will have a copy of the leaflet sent to you upon request and 3c postage.

aldrin's



at just 2 ounces per acre

aldrin controls all species . . . regardless of hopper count.

America's farm papers have been telling the aldrin story with great enthusiasm. "It's amazing" . . . "terrific power" . . . "lowest cost per acre" . . . "Wherever aldrin gets to hoppers, they die" . . . etc.

aldrin is top choice

In all hopper areas the results are the same . . . wherever aldrin is used, grasshoppers cease to be a problem. Aldrin kills by ingestion, contact and fumigation, with an average kill of 96% in 3 days. Make sure you get on your dealer's list for aldrin now . . . it will be scarce before the season ends!

aldrin 

SHELL CHEMICAL CORPORATION

Aldrin is manufactured by Julius Hyman & Co., and is distributed by Shell Chemical Corporation, 500 Fifth Avenue, New York 18.

Aldrin is available under the brand names of leading insecticide manufacturers. Consult your local dealer and county agent.

CONTINENTAL AIR LINES

VACATIONLAND
CONTINENTAL AIR LINES

Send for This **FREE** PICTORIAL PREVUE of Cool Colorado in Natural Color.

Beat the heat! Write for this 12 page full-color brochure showing unforgettable scenes from America's most colorful Vacationland. Snow-capped mountains; crystal lakes; soft, refreshing breezes whispering through the evergreens! You will be cooler just feasting your eyes on the beauty spots of the romantic old West. And remember...

You can be here enjoying your vacation instead of enroute...when you Fly Continental. Luxurious, pressurized 300 m.p.h. Convair-liners will whisk you and your family to your favorite beauty spot before you can say "Pike's Peak." Stretch your vacation days and dollars. Send for the free brochure (plus a current time table), and plan a long, delightful Continental Vacation.

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

Fly
CONTINENTAL AIR LINES



Tour Dept.,
Continental Air Lines
Dept. KF,
General Offices Stapleton Airfield
Denver, Colorado

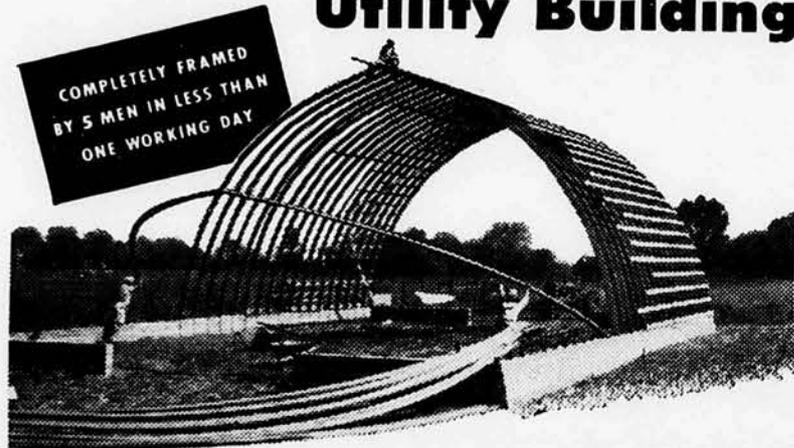
Please rush vacation brochure and time table, at no obligation to me.

Name _____

Street or Box No. _____

Postoffice _____ State _____

RILCO POSTFREE Utility Building



Here's 100% USABLE SPACE for Machine Sheds, Storage Buildings, Loafing or Feeding Barns

Need a sturdy, practical farm building in a hurry? With Rilco Utility Rafters, it's already half built! Rilco Rafters are factory fabricated, ready for quick labor-saving erection. No cutting, no fitting needed. Once frame is up, building can be covered with sheet metal, composition shingles or wood shingles. Rilco Rafters are available in various spans to meet your individual needs. Direct-to-foundation connection assures extra strength, rigidity. Continuous framing from foundation to roof ridge eliminates posts, braces, provides highly attractive appearance, 100% usable interior. Mail coupon now. See how Rilco Rafters can save time, money in meeting your building needs.



RILCO Laminated PRODUCTS, INC.
DEPT. 6, P. O. BOX 535 • MANHATTAN, KANSAS

Please tell me how Rilco Rafters can be used to build the type of building I have checked.

- MACHINE SHED, STORAGE BUILDING, LOAFING OR FEEDING BARN
- HOG HOUSES
- GRAIN STORAGE BUILDING
- BARN WITH HAYMOW
- POULTRY HOUSES

Name _____ R.F.D. _____

Town _____ State _____

It Was a "Hummer"

Dear Editor: The article, "What Has This to Do With Farmers," in the April 7, 1951, issue of *Kansas Farmer* was a hummer. Should have more publicity. I saved that article to show others. We like the travel series articles . . . also the flower series. In fact, it's all good. Are we still allowed to ask Doctor Lerrigo questions?—H. S. K.

Note: Yes, indeed. Any *Kansas Farmer* subscriber is invited to send medical questions to Dr. C. H. Lerrigo, *Kansas Farmer*, Topeka, Kan. No charge for this service, but please enclose a stamped envelope addressed to yourself for your reply.—The Editor.

Answers to Your Flower Questions

By FRANK PAYNE

LAST February the Kansas City African Violet Society held the first violet show ever held in Kansas City, Mo. I had a date to meet my wife at that show. Luckily I was early because 10 minutes after the doors opened the large show room was so crowded one could hardly move about. Probably 99 per cent of the visitors were women and a total of 50,000 came during the 2-day show! That begins to prove the intense interest in African violets in Kansas City.

Now good old K. C. isn't the only place interest in violets is so great. If you could see my mail from Kansas farm women you would agree with me the interest from farm folks is just as great as with city folks. Fully one fourth of my letters received ask such questions as the following:

How do you start African Violets growing from leaves? What fertilizer is the best to use? Why don't my African violet plants bloom?

Answer: Now right away I want to tell you that I try to give you honest information about growing flowers based upon my actual experience. I do that at all times, too. However, I must honestly tell you that I just do not know a thing about African Violets! But don't go away—let me explain, please. It happens that I am blessed with a little wife that quite often knows a lot more than her husband! Of course, if it was about Dahlias, Glads, Peonies, Mums and many other flowers I have grown I may be able to tell you a lot because I have worked with such flowers for 32 years.

Birthday Present Started It

You see, over 2 years ago I bought a dozen plants of African Violets for a birthday present for my wife. She not only has cared for those plants but has started a lot of leaves growing and blooming nicely and gets along real well with them. I asked her to stop her spring house cleaning long enough to give me the following information about the African Violets. (Saintpaulia inoantha is their correct botanical name and they really did come from eastern tropical Africa near Victoria Falls, Rhodesia.) This is what she tells me about her 2 years of experience.

How to Start Plants from Leaves—Cut off mature leaves with at least 1½-inch stems. Do not use the oldest leaves or the young center leaves, but they must be mature. Tie wax paper over a tumbler full of lukewarm water. Punch holes in the wax paper same size of the stem and insert one stem in each hole, but do not crowd too closely. About 6 to 8 leaves for each average-size tumbler is the right amount. Place the tumbler in a north or east window but not too close to the glass. Never put in a south or west window. You can put in more lukewarm water whenever it starts to evaporate because the stems must be in water at all times.

Roots appear in a few weeks, then later on some tiny leaves. When the leaves are 1 inch high take out of the water very carefully and pot in soil in a small 1½- to 2-inch pot. Do not put in a large pot at this time and by all means handle these baby plants carefully because they simply cannot stand rough handling. A mixture of peat moss, rich leaf mold loam and sand in equal portions is about the right kind of soil to place in the pot for these baby plants. After established in the pot and growing nicely, you can cut off the old leaf. Do not keep too wet, also do not let them dry out either. They can be left in the small pot until after they start blooming. Now it takes about 10

months, on an average, from the time you put the leaves in water until you can expect flowers so please be patient and do not expect flowers too quickly.

Three points to remember are: Plants must be in a north or east window. The night temperature must be around 60 to 65 degrees. Anything lower than that is probably 50 per cent of the reason for failure to get blooms. They are from the tropics and like plenty of heat at night. Last but not least they must be watered just so, or else you are sure to have failure in bloom.

Mrs. Payne sometimes sets the pot in lukewarm water and lets the water soak up from the bottom. If she waters from the top of the pot she is extremely careful not to spill water on the leaves as that would be sure to spot the foliage and cause brown spots. She always uses lukewarm water at all times.

Very Good Plant Food

Now a word about fertilizer. You can buy a small box of *Hyponex* fertilizer at your 5-and-10 store or seed house. It is a white powder and one teaspoonful is mixed with one gallon of lukewarm water. You can use it at the time your plants need watering and do 2 jobs at the same time. Its claimed contents are nitrogen 7, phosphate 6, potash 19. You can understand from that it is really high-powered plant food so be careful that none gets on the foliage.

Here are the names of the 7 varieties I gave Mrs. Payne and she can recommend them to you as quite colorful and satisfactory. Blue Boy is a rich blue. Blue Girl is rich dark blue. Pink Lady is true pink. Red Head, reddish blue. White Lady is pure white. Amethyst Blue, light blue. Pink Beauty (Patented) is light pink.

Now the above is what my good wife told me as the results of her own experience. I have tried my best to make it all as plain and as complete as I know how. I am going to ask a little favor from you folks, please. I still do not know a thing about African Violets as I explained at the start of this article. Now please, please, do not write to me for more information about violets because all I could do is to ask you to read this article again. My next answer to questions will be about ferns, also that eternal debate about why *Gladiolus* do not change their colors!

Saves Time

When sirup and shortening are used in the same recipe, I measure shortening first then sirup will not stick to the cup.—Mrs. H. L. Fenton.



"I struck out DiMaggio—and could have struck out Ted Williams if Mom hadn't waked me for school!"

"I spend only— 23 cents to haul 3200 lbs. 10 miles!"

—says ALEX FORSHAGE, Jr., of San Marcos, Texas

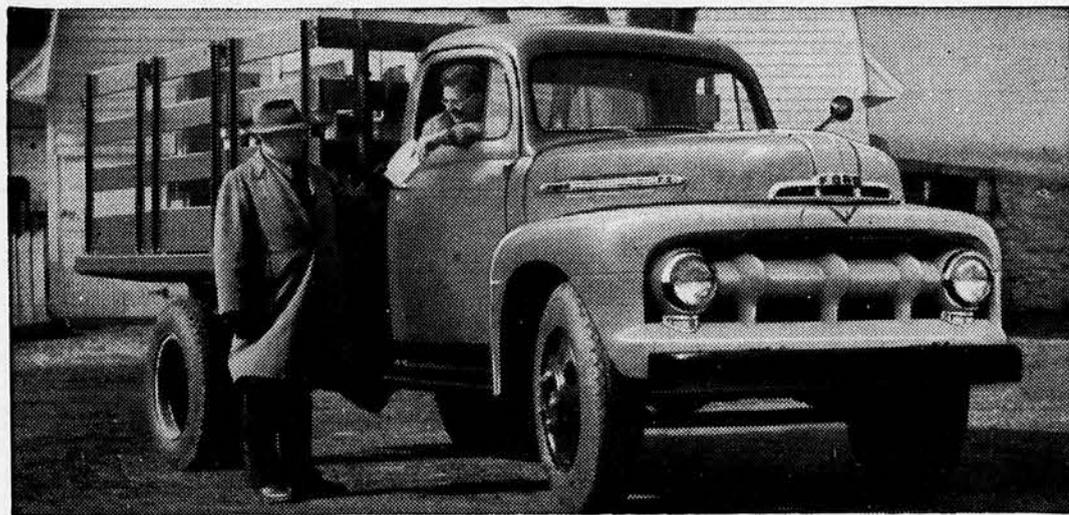
He drove a 1950 Ford F-5 Stake equipped with Power Pilot in Ford's nationwide Economy Run. He says, "My Power Pilot equipped truck gives top performance with real economy—and this combination is unusual."

Stockman Forshage works his truck six to eight hours a day, on all kinds of roads. He says, "Ford's Economy Run opened my eyes to how little it costs to run a Ford Truck. For example: In six months I traveled 5778 miles with an average load of 3200 lbs., made 1444 stops. My hauling cost of gas, oil and maintenance with nothing spent for repairs came to \$135.68 and that's only 2.34 cents per mile!"

Like others who rely on Ford for greater savings—you'll like the low-cost truck service at Ford Dealers' everywhere. And, for more facts on the trucks that last longer and save you money every mile—mail the coupon at lower right today.



Smart Farm Operator Forshage frequently turns off Texas roads . . . drives truck cross country. He says, "Even off the road, my Ford F-5 Truck steers and handles easily!"



This new Ford F-5 Stake for '51, like Forshage's truck, is the biggest seller in the heavy duty class. It offers new 5-STAR and 5-STAR EXTRA Cabs with 50%

wider rear window and other features for more efficient driving. With a choice of over 180 models, there's an economical Ford Truck to fit your job, V-8 or Six.

FORD TRUCKING COSTS LESS because FORD TRUCKS LAST LONGER

Using latest registration data on 7,318,000 trucks, life insurance experts prove Ford Trucks last longer!

See Your Local Ford Dealer

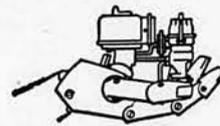
Conveniently Listed in the Telephone Directory



TEXAS
Report No. 1602



POWER PILOT helps STOCKMEN hold down hauling costs



The Ford Truck Power Pilot is a simpler, fully-proven way of getting the most power from the

least gas. This carburetion-ignition system automatically meters and fires the right amount of gas, at precisely the right instant, to match constantly changing speed, load and power requirements.

Unlike conventional systems, the Power Pilot uses one control instead of two, yet is designed to synchronize firing twice as accurately. You can use regular gas . . . you get no-knock performance. Only Ford in the low-price field gives you Power Pilot Economy!

MAIL THIS COUPON TODAY!

FORD Division of FORD MOTOR COMPANY
3311 Schaefer Rd., Dearborn, Mich.

Send me without charge or obligation, detail specifications on Ford Trucks for 1951.

FULL LINE HEAVY DUTY MODELS
LIGHT MODELS EXTRA HEAVY DUTY MODELS

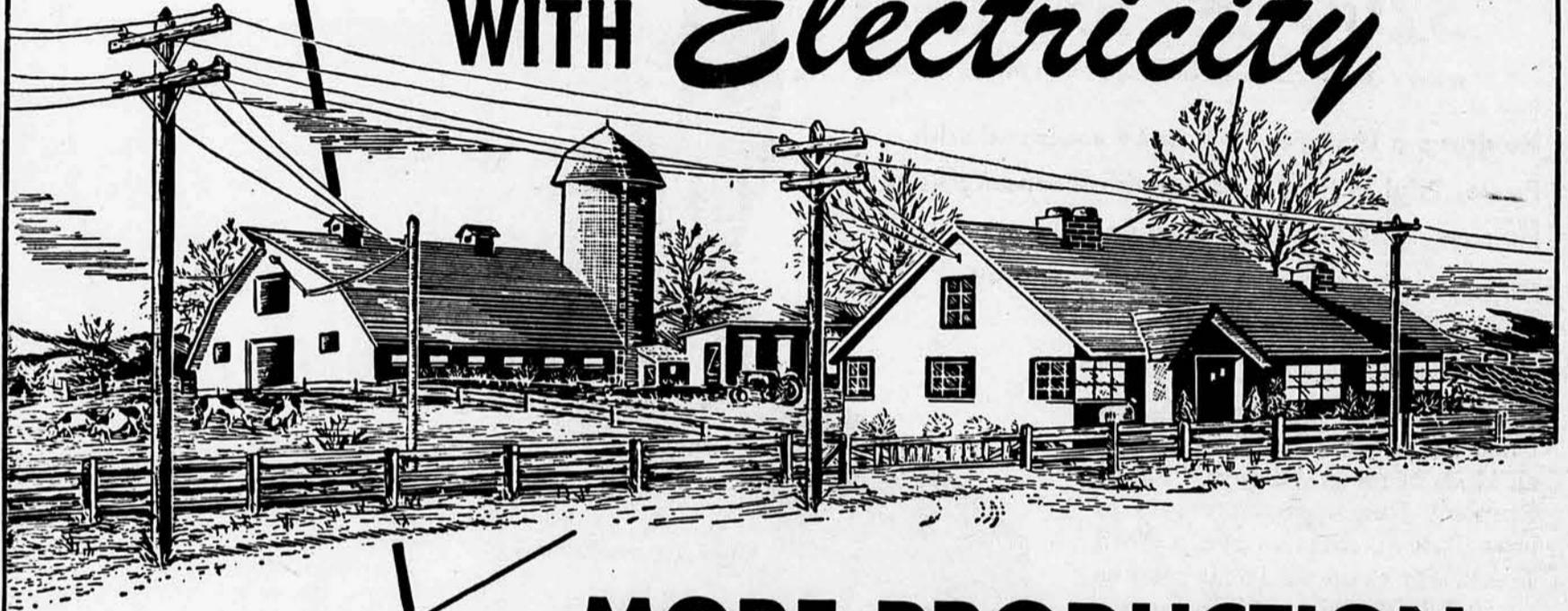
Name _____
(Please print plainly)

Address _____

City _____ Zone _____ State _____

PUSH-BUTTON FARMING...IT'S EASY

WITH *Electricity*



MORE PRODUCTION -- LESS COST



© REDDY KILOWATT
Your Electric Servant

Electricity's amazing abilities to do so many things makes it the most important production tool on your farm. A flick of the switch and it will clean your barn or cool the milk or warm new-born animals or dry your corn or irrigate your truck crops. It will carry heavy loads, light the way at night . . . protect and cook your food, entertain you with radio and television. Heavy back-breaking jobs . . . all are performed easily with the help of electricity.

Electric powered elevators, wagon unloaders, and blowers are some of the "heavy work" applications. A moderate size electric motor is usually sufficient to transfer heavy loads to a barn. Only about five cents worth of electricity will elevate 500 bushels of grain.

See one of our representatives or your local electric dealer. They have many plans and ideas that will be a great help to you in selecting those new modern appliances for the home or laborsaving items about the farm that pay for themselves in a short time.

Inside the barn, electric power stacks and dries hay, grinds feed, ventilates, heats, and supplies light. In the milkhouse, tool shed, pump house and in other buildings, electricity is a quick and dependable "hired hand."

In the farm home, too, electricity really does a job of making life more pleasant and enjoyable. In food preservation and preparation, illumination, entertainment, and in doing a multitude of household chores, electricity has brought new advantages to the farm home.

Yes Push-Button Farming

- Saves You Time
- Saves You Money
- Saves You Work

"Yes, Folks, the More Work You Give Me to Do—the Better I Like It and the Lower My Wages Become."

—REDDY KILOWATT
Your Electric Servant

ELECTRIC LIGHT AND POWER COMPANIES IN KANSAS

Central Kansas Power Company Kansas Gas and Electric Company Eastern Kansas Utilities, Inc.
Western Light & Telephone Company Kansas City Power & Light Company
The Kansas Power and Light Company





Most Important GARDEN CROP

By WILLIAM G. AMSTEIN
Kansas State College

workers at the University of Missouri. They have found shoots that grow from the auxiliary bud immediately below each flower cluster seem usually to grow more rapidly than shoots or suckers from other locations on the plant. Instead of pruning this shoot out, they suggest allowing it to grow 2 leaves and then remove the growing point. A good bit of extra leaf area is obtained and a much better early set as well as heavier yield result.

Mulching tomatoes, staked or not, is another useful practice. Hay, straw, ground bundle feed, grass clippings and shavings can be used. There are many advantages and very few problems with the practice. The mulch needs to be deep enough, 4 to 6 inches, to keep down weeds as well as to conserve moisture.

Start Spraying Soon

We need to plan a tomato spray program and start to put the plan into operation very soon. Most of us will recall the heavy foliage and fruit losses suffered last year. Rainy weather permits foliage trouble to get started. At times the disease problems are brought home or shipped in on the plants. Later on ideal weather conditions may cause them to be spread rapidly from southern growing areas. Periods of warm, wet weather provide a good chance for the trouble to get underway.

Tomatoes growing near where you have grown them in other years may be more subject to trouble than on new locations.

As soon as any leaf spot infections are noticed on the lower leaves, a spray or dust program should be started. Better yet a plan should be followed to keep this condition from starting. Plan now to cover the foliage at regular intervals of 7 to 10 days with spray or dust. Start within a month after plants have been put out in the garden.

A large number of chemicals can be used to handle these foliage problems. Some type of copper compound is usually suggested such as Copper A, Copper King, Basicop and many others are available. Bordeaux mixture can be used. Newer control materials are Parzate and Zerlate. Some mixtures contain a material that will handle insect problems as well. In most communities one of these trade-named products is available at your store. If not, Bordeaux mixture will handle the leaf spot diseases. Of greatest importance is recognizing the problem and the losses that can result. Then get started early and keep at it. Tomatoes are the most important crop in the Kansas garden. Give them your best attention in time.

STAKING or supporting tomatoes deserves to be more widely practiced by farm gardeners as well as those in the business for a living. Another practice that may well go with it is mulching. Together they work extra well. Total production on staked tomatoes may not be any higher, but a larger percentage of the crop will be of useful quality. Spraying, tending as well as harvesting where tomatoes are staked is made much easier.

Market gardeners stake at least their early tomatoes. Many practice some pruning. Staked and pruned plants usually ripen fruit earlier. It does not take much extra time to put tomatoes on stakes and much less time afterwards in tending them.

There is wide variation in the amount of pruning practiced. At one extreme you find growers who prune down to one stem. Other growers do not prune at all, while some prune only to 3 stems. The variety you are using should make some difference in your pruning. Varieties that carry heavy setting ability usually are short of foliage. Do not prune this type, since a heavier loss of fruit from sunburning will result. These small-vined plants if left on the ground with a heavy crop exposed to the sun will have heavy losses.

A 3-Stem System

Heavy-vined tomato varieties can be pruned down to a 3 stem system. To do this, you allow the main stem and the first 2 shoots or suckers that start close to the ground to remain on the plant. You find these shoots at the junction of the leaf and the main stem. Select the branches to be left early so growth will not be wasted in parts to be pruned out later. Some gardeners prune for a few weeks and then allow plant to develop naturally after that. However, they still keep the plant supported to the stake.

My choice is to support plants to a stake but prune very little; just enough to make tying or supporting a little easier.

If you plan to prune to one stem, a modified plan that will give a little more foliage as well as a better early set and heavier yield is suggested. This new system has been developed by



Frigidaire

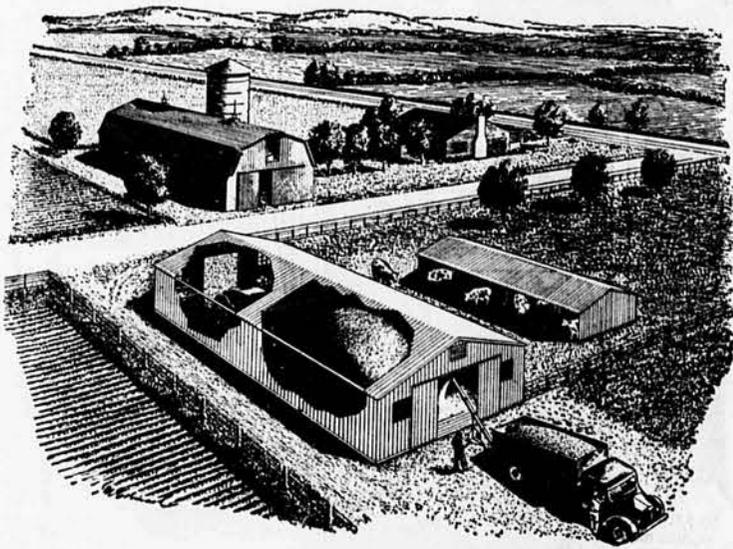


Farm families will take delight in this new DeLuxe Frigidaire because besides its beauty it brings freedom from frequent trips to town. Built for Once-A-Week Shopping, its roominess and new convenience make it a boon to farm wives and mothers.

SEE THEM AT ANY OF THESE DEALERS

- | | | | |
|---|--|---|--|
| <p>ABILENE
Shockey & Landes</p> <p>ALMA
Hasenbank & LaMar</p> <p>ALTMONT
Holmes Hdw. Co.</p> <p>ANTHONY
Wood Music Co.</p> <p>ARGONIA
Horton Furniture Co.</p> <p>ARKANSAS CITY
Wright-Burton Hdw.</p> <p>ARLINGTON
Fay's Sundries & Appl.</p> <p>ARMA
Bosinlo Hdw. & Appl.</p> <p>ASHLAND
Grimes Appliance Co.</p> <p>ASSARIA
Johnson's Pibg. & Appl.</p> <p>ATTICA
K. R. Anthony Furn.</p> <p>AUGUSTA
Coleman Gas Serv. Co.</p> <p>AXTELL
Roth's Lock. & Ap. Co.</p> <p>BAXTER SPRINGS
Milo Chew Drug Co.</p> <p>BELLE PLAIN
Foster Refrig. & Appl.</p> <p>BELLEVILLE
Fitch & Barth, Inc.</p> <p>BELOIT
Hiserote & Weir Appl.</p> <p>BENNINGTON
Powell Service</p> <p>BENTON
Moots Bros.</p> <p>BLUE RAPIDS
Brake's Furn. Store</p> <p>BUCKLIN
Day Hardware Co.</p> <p>BULLER
Kirk, Elliott & Gard</p> <p>BURDEN
Lewis Chevrolet Co.</p> <p>BURNS
Lyons Supply Co.</p> <p>CALDWELL
Terwilliger Hardware</p> <p>CANEY
Pendleton Chev. Co.</p> <p>CAWKER CITY
Riley-Rhoades Ap. Co.</p> <p>CEDAR VALE
Morgan Motor Co.</p> <p>CHANUTE
Naf & Bolze Hdw.</p> <p>CHAPMAN
Sanborn Lumber Co.</p> <p>CHENEY
Cheney Farm Store</p> <p>CHERRYVALE
Clark's Maytag Co.</p> <p>CHETOFA
Blankenship Hardware</p> <p>CLAY CENTER
Marshall's, Inc.</p> <p>CLIFTON
Beccotte-Easlinger</p> <p>CLYDE
A. Seifert Jewelry</p> <p>COFFEYVILLE
Southwestern Sales Co.</p> <p>COLBY
Hickay Appliance Co.</p> <p>COLDWATER
Rural Gas & Elec. Co., Inc.</p> <p>COLUMBUS
Bennett Appliance Co.</p> <p>CONCORDIA
Culbertson Elec. Co.</p> <p>CONWAY SPRINGS
Lewis Fibz. & Appl.</p> <p>COTTONWOOD FALLS
Hamm Electric Co.</p> <p>COUNCIL GROVE
Rumsey & White</p> <p>DIGHTON
Mull Electric Service</p> <p>DODGE CITY
Newkirk's</p> | <p>DOUGLASS
The Electric Store</p> <p>EDNA
Stine Hardware</p> <p>EL DORADO
Home Appliances, Inc.</p> <p>ELKHART
Ellis Motor Service</p> <p>ELLIS
O'Loughlin Motor Co.</p> <p>ELLSWORTH
Holt & Goede Furn. Co.</p> <p>EMORIA
Litke-Stephens Furn. Co.</p> <p>ERIE
Rogers' Hdw. & Furn.</p> <p>ESKRIDGE
Willard Sales & Serv.</p> <p>EUREKA
Burton's Furn. & Appl. Co.</p> <p>FALL RIVER
Fall River Impl. Co.</p> <p>FLORENCE
W & R Appliance Co.</p> <p>FORT SCOTT
Filizola Off. Equip. Co.</p> <p>FANKFORT
Lauer Electric Shop</p> <p>FREDONIA
Hollis Hardware Co.</p> <p>GARDEN CITY
Mayo's</p> <p>GIRARD
Crain Gas & Elec. Co.</p> <p>GLASCO
R. W. Cramer Hdw.</p> <p>GOODLAND
D & G Electric Co.</p> <p>GREAT BEND
Mathers-Jaeger Appl. Company</p> <p>GREENLEAF
Hogan & Sons</p> <p>GREENSBURG
Carp Home & Auto</p> <p>HALSTEAD
Mantele's Dept. Store</p> <p>HANOVER
Schwartz Appl. and Elec. Co.</p> <p>HARPER
Jess Hamilton</p> <p>HERINGTON
Fred Lee & Sons</p> <p>HERNDON
J. G. Hutches & Son</p> <p>HILL CITY
Quenzer Appl. & Hdw.</p> <p>HILLSBORO
John Hiebert</p> <p>HOISINGTON
Getman Appl. Co.</p> <p>HOYKROOD
Westmacott Hdw. Co.</p> <p>HOPE
Wuthnow Furn. Co.</p> <p>HOWARD
Virgil Munsinger</p> <p>HUTCHINSON
Graber Furniture Co.</p> <p>INDEPENDENCE
Sell-Or, Inc.</p> <p>IOLA
Schell's Appl. Store</p> <p>JETMORE
Jetmore Hardware</p> <p>JEWELL
Jewell Lumber Co.</p> <p>JOHNSON
Johnson Service Co.</p> <p>JUNCTION CITY
Waters Appl. Store</p> <p>KENSINGTON
Simmons-Oiliff</p> <p>KINGMAN
Kingman Radio Shop</p> <p>KINSLEY
Maytag Appliance Co.</p> | <p>KIOWA
Fisher-Wood Hdw.</p> <p>LA CROSSE
Pittman & Pittman</p> <p>LAKIN
Hart & Co.</p> <p>LARNED
A. A. Doerr Merc. Co.</p> <p>LEBANON
Lebanon Electric</p> <p>LEHIGH
Burkholder Lbr. Co.</p> <p>LENORA
Edridge Electrical Co.</p> <p>LEON
Loch Motor Co.</p> <p>LEOTI
Western Hdw. & Sup.</p> <p>LIBERAL
Hettie Appl.</p> <p>LINCOLN
B. G. Hall</p> <p>LINCOLNVILLE
Burkholder Lbr. Co.</p> <p>LINDSBURG
Billings Refrigeration & Elec. Appl.</p> <p>LITTLE RIVER
Hodgson Impl. & Hdw.</p> <p>LYONS
Schneider's Furn. Co.</p> <p>MACKSVILLE
Brettenbach Appl.</p> <p>MADISON
Schottler's, Inc.</p> <p>MANHATTAN
Kaup Furniture Co.</p> <p>MANKATO
Beam Motor Co.</p> <p>MARION
W. J. Haas Furn. & Ap.</p> <p>MARYSVILLE
Fred Lee & Sons</p> <p>MARYSVILLE
Fred Burris</p> <p>MCPHERSON
Green's Appl. Store</p> <p>MEADE
C. F. Worman Elec.</p> <p>MEDICINE LODGE
Dickey Appl. Co.</p> <p>MILTONVALE
Phelps Furn. Store</p> <p>MINNEAPOLIS
Hornor Hardware</p> <p>MOLINE
Boyer Gift & Appl. Co.</p> <p>MORGANVILLE
Will F. Taddiken</p> <p>MOUNDRIDGE
Krebbel Hdw. & Impl. Co., Inc.</p> <p>MOUNT HOPE
Johnsmeyer's</p> <p>MULVANE
The Electric Store</p> <p>NASHVILLE
Stewart Motor Co.</p> <p>NATOMA
Fohman's Home Furn.</p> <p>NEODESHA
Kimball Electric Shop</p> <p>NESS CITY
Schroyer's, Inc.</p> <p>NEWTON
The Appliance Mart</p> <p>NORTHON
Horney's, Appl.</p> <p>NORWICH
H. S. Eshnauer & Sons</p> <p>OAKLEY
C. D. Clark & Sons, Inc.</p> <p>OBERLIN
Anderson & Son Hdw. & Impl.</p> <p>ONAGA
Tessendorf Furn. Co.</p> <p>OSBORNE
Quenzer Appl. Co.</p> <p>OSWEGO
Williamson Stores, Inc.</p> <p>OXFORD
Abldgaard Hdw. Co.</p> <p>PARSONS
Ellis Radio & Appl. Co.</p> | <p>PARTRIDGE
Kearns Radio & Elec.</p> <p>PEABODY
Baker Furn. Store</p> <p>PHILLIPSBURG
Newell's Appl. Store</p> <p>PITTSBURG
Rodkey's</p> <p>PLAINVILLE
Mosher Bros.</p> <p>PRAIRIE VIEW
Prinsen Bros. Hdw.</p> <p>PRATT
Link Electric</p> <p>PRETTY PRAIRIE
General Appliance Co.</p> <p>QUINTER
Quinter Appl. Store</p> <p>RILEY
Meyer Mercantile</p> <p>ROSE HILL
Cox Grocery and Locker System</p> <p>RUSSELL
Delnes Bros.</p> <p>ST. FRANCIS
Roelf's Electric</p> <p>ST. JOHN
A. J. Electric Service</p> <p>ST. MARYS
Youngkamps Furn.</p> <p>SALINA
Goodhousekeepers Appl. Inc.</p> <p>SATANTA
Decker's</p> <p>SCANDIA
Sanborn Lumber Co.</p> <p>SCOTT CITY
Byrns, Inc.</p> <p>SEDIAN
Ding Bell Chevrolet</p> <p>SHARON SPRINGS
C. E. Koons & Son Hdw.</p> <p>SMITH CENTER
Simmons-Oiliff</p> <p>SPEARVILLE
Heskamp Chev. Co.</p> <p>STAFFORD
Peacock & Solce</p> <p>STERLING
Haney's Appl. Center</p> <p>STOCKTON
Quenzer Appl. Co.</p> <p>SYLVAN GROVE
F. A. Gatewood & Sons</p> <p>SYRACUSE
Stewart Furniture</p> <p>TIMKEN
Timken Lumber Co.</p> <p>TRIBUNE
Western Hdw. & Motor Co.</p> <p>TURON
Turon Electrical Sup.</p> <p>ULYSSES
Johnson Service Co.</p> <p>VALLEY CENTER
Central Supply</p> <p>WAKEFELD
Clark Supply Co.</p> <p>WAKEFIELD
Sanborn Lbr. Co., Inc.</p> <p>WAMEGO
J. E. Stewart & Sons</p> <p>WASHINGTON
Anderson Hardware</p> <p>WATERVILLE
Hensley Hdw. & Furn.</p> <p>WELLINGTON
Nichols Electric Co.</p> <p>WICHITA
The Appl. Center, Inc. 138 North Broadway 1014 West Douglas 121 East 21st</p> <p>Geo. Innes Co.
Vowel Furniture Co.</p> <p>Whitecomb Appl. Co.</p> <p>WILSON
Weber Hardware</p> <p>WINFIELD
Winfield Electric Co.</p> <p>YATES CENTER
J. C. Schnell</p> |
|---|--|---|--|

For Extra Value in Farm Buildings



Buy Many-Purpose*, Durable BUTLER Steel Buildings

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

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

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

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



For information, address Dept. KF25 at office nearest you:
7409 E. 13th St., Kansas City 3-E, Mo.
909 Y 6th Ave., S.E., Minneapolis 14, Minn.
Richmond, Calif.

KANSAS CITY, MO. • GALESBURG, ILL. • RICHMOND, CALIF. • BIRMINGHAM, ALA. • MINNEAPOLIS, MINN.

NEW Innes Floating Pick-up for S. P. Combines

automatically follows the contour of your field

Adapts itself to uneven terrain. Custom fittings in still and spring finger models for Deere 55, M-H 21 A, 27, 26, Int. 125, and Oliver 33 self-propelled combines. Innes patented piston action picks your entire windrow up clean, without wrapping, clogging, or shelling. Light and easy to attach. Precision built of finest materials. \$184.75 FOB Bettendorf.

See your dealer or write:
INNES COMPANY, Bettendorf, Iowa
• INNES • INNES • INNES • INNES •



TAKE YOUR CHOICE OF 5 BETTER BUILT SPIRAL GRAIN LOADERS

Reg. U. S. Pat. Off.

With Heavy Tubing . . . Link Belt Helicoid Flighting . . . High Speed Sealed Bearings . . . Sectional Tube Construction Throughout

TYPE A with Famous FLEXODRIVE . . . Best Grain Handler of All . . . with carrier, windlass, highly efficient FLEXO- (flexible shaft) DRIVE and motor mounted low. No long belts or chains. Smooth, uniform operation. Instant power control. This Bazooka operates at almost any angle and is easily removed from carrier for special jobs. Sixteen foot basic length with 5, 10, 15, 20-foot extensions. Custom built units available for special purposes.

TYPE D: A standard sectional Bazooka tube for electric power. Countershaft drive, motor low on tube. Sixteen foot basic length complete with carrier.

TYPE B on Carrier. Best auger in its class on the market, with carrier, windlass, adjustable motor mount and idler pulley drive. Sixteen foot basic length.

TYPE B Truck Unit. Like machine on left, without carrier. Eleven and 16-foot basic lengths.

TYPE C: For electric power with motor at head. Low cost unit for vertical use or permanent installations.

See the Bazooka Dealer. Write Direct for FREE CIRCULAR, Low Prices . . . Today.

THE WYATT MFG. CO., INC. JAYHAWK FARM IMPLEMENTS SINCE 1903 DEPT. 57 SALINA, KANSAS

Largest Holstein Show Ever Held in Kansas

THE All-State Holstein-Friesian Show, held at Topeka, May 4, turned out to be the largest ever held in Kansas. Seventy breeders entered 164 head for the show. All entries were winners from 9 of the 10 district shows held this spring. William Beezley, Girard, president of the Kansas Holstein-Friesian Association, said quality of animals shown was best ever.

First 3 winners in each class were:
Bull calves: 1st, St. Joseph's Orphan Home, Abilene, on Mt. Joseph Rag Apple Luster; 2nd; Beezley & Son, Girard, on Beezley Farm Burke Harker; 3rd, Raymond Ohlde, Palmer, on Billy Mable Crescent Karma.

Junior yearling bulls: 1st, J. W. Carlin & Schneider Brothers, Salina, on Taloga Admiral Ace Arleen; 2nd, Eugene Franklin, Hutchinson, on Stonemark Priburke Albert; 3rd, R. O. Chamberlain, Olpe, on Stonemark Priburke John Bull.

Senior yearling bulls: 1st, E. A. Dawdy, Harry Choate & John Spaeth, Salina, on Tidy Burke Ideal; 2nd, Claude W. Romine, Isabel, on Sir Spring Farm Supreme Brook; 3rd, Yvonne Robb, Lawrence, on Valley Haven Pontiac Segis.

Two-year-old bulls: 1st, Leo H. Hostetler, Harper, on Sovereign Supreme; 2nd, Lambert Young & Sons, Haddam, on Nemaha Ormsby Glen; 3rd, Clyde Altenread, Hutchinson, on Leohost Vrouka Oscar.

Mature bulls: 1st, C. H. (Pete) Langdon, Edgerton, on Design Pontiac Claude; 2nd, Wilbur Sloan, Cleveland, on Lilac Valley King Dean; 3rd, Vernice Hobson, Liberty, Bollman Burke Piebe.

Heifer calves: 1st, Topeka State Hospital, Topeka, on TSH Imperial Thrush; 2nd, J. W. Carlin, Salina, on Carlins Hilltop Lady Topsy; 3rd, Larry Bengston, Smolan, on Carlins Hilltop Lad Dana.

Junior yearling heifers: 1st, C. H. (Pete) Langdon, Edgerton, on Ormsby Home Madcap Mistress; 2nd, Osawatomie State Hospital, Osawatomie, on OSH CH Royal Inez; 3rd, St. Joseph's Orphan Home, Abilene, on Mt. Joseph Rag Apple Bessena.

Senior yearling heifers; 1st, Wilbur

Sloan, Cleveland, on Sloan's De Kol Nell Dean; 2nd, Raymond Bollman, Edna, on Bollman Martha Ormsby Princess; 3rd, J. C. Breithaupt, Baldwin, on TSH Esteem Treat.

Junior get-of-sire: 1st, J. W. Carlin, Salina, on get of Willow Springs Prince Lad; 2nd, Hughes Bros., Waldron, on get of Frasea Netherland Masterpiece; 3rd, Leo F. Fickel & Mary D. Fickel, Earlton, on get of Beezley Farm Burke Fascinator.

Aged Cows Class

Aged cows: 1st, Heersche Bros., Mulvane, on Heersches Polkadot Nancy; 2nd, J. W. Carlin, Salina, on Villisca Perfection Judy; 3rd, St. Joseph's Orphan Home, Abilene, on St. Joseph Tidy Wilda.

Four-year-old cows: 1st, E. A. Dawdy, Salina, on Raven Burke Elsie; 2nd, Grover G. Meyer & Sons, Basehor, on Springrock Don Pattie; 3rd, E. A. Dawdy, Salina, on Cricket Tidy Burke Raven.

Three-year-old cows: 1st, Ernest A. Reed & Sons, Lyons, on Thonyma Rag Apple Patience; 2nd, E. A. Dawdy, Salina, on Tidy Posch Alzales; 3rd, C. A. Jonson, Phillipsburg, on Stonemark Tidy Echo.

Two-year-old cows: 1st, Donald Hopkins, Clearwater, on Dondell Harmony Betty Bee; 2nd, Leo H. Hostetler, Harper, on Leohost Vrouka Tosy Cleta; 3rd, Ernest A. Reed & Sons, Lyons, on Thonyma Rag Apple Princess Ann.

Senior Get-of-sire: 1st, Jake and Clarence Zarnowski, Newton, and E. A. Dawdy, Salina, on get of Weber Hazelwood Burke Raven; 2nd, Grover G. Meyer & Sons, Basehor, on get of Regier Polkadot Triune Don; 3rd, Leo H. Hostetler, Harper, on get of Colony Vrouka Sir Hengerveld 35th.

Produce of dam: 1st, Grover G. Meyer, Basehor, on produce of Madge Speckle Aurora; 2nd, H. A. Meyer, Abilene, on produce of L-Jalcee Alma Fobes; 3rd, Wilbur Sloan, Cleveland, on produce of Glenlane Triune Grover.

Three best females: 1st, Grover G. Meyer & Sons, Basehor; 2nd, Ernest A. Reed & Sons, Lyons; 3rd, J. M. White & E. R. Smith, Topeka.

Feeders' Day Sets a Record

SOME bulls do consistently sire better-gaining calves than others, it is being demonstrated in a series of studies at the Ft. Hays Branch Experiment Station.

Studying influence of sire on efficiency of feed utilization during the last 2 years, the station has discovered that steer calves sired by the best bull in the experiment have gained about

.13 of a pound a day more than steer calves from the poorest sire. Best lot of calves from a single sire made highest average daily gain as yearlings and highest average daily gain from birth to market.

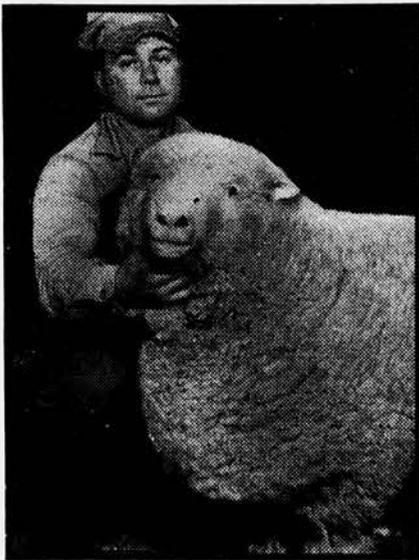
Average daily ration for all steers during the 150-day feeding period included 42-plus pounds of Norkan silage. (Continued on Page 15)

GRANDMA . . . By Charles Kuhn



Wins Grand Championship First Year!

R. R. conductor cops International, Am. Royal show awards with prize hay, sheep.



Walter J. Marshall, Jr., shows Grand Champion Yearling Ram. Walter's another champion who gets farm-size breakfast nourishment from Wheaties! How about you?

MAUMEE, OHIO—Right on the beam is Walter J. Marshall, Jr.'s thinking that "championship food builds champion performers." Walter proved formula his very first year of showing: Won 1st and Grand Champion Yearling Ram at '50 American Royal; and ram was raised on alfalfa hay awarded 1st and Res. Grand Championship at '50 International Livestock Show!

Farming is actually Wally's hobby. He doubles as a N. Y. Central railroad yard conductor! Keeping fit for active, double-duty life poses no problem, either. Wally applies sheep-raising ideas to his own well-being: He starts his championship breakfast with Wheaties, bananas and cream!



"We don't need the fence stretchers—you being such a big Wheaties eater!"

Desire for a "change of cereals" started Wally eating Wheaties—some 15 years ago. Now, energetic farmer-railroader enjoys the "Breakfast of Champions" four mornings a week! Wife, Alice—an enthusiastic antique collector—knows there's a heap of goodness in those crisp, toasted Wheaties flakes, too.

A whole, sweet kernel of wheat in every Wheaties flake! Gives you all the B-vitamins, minerals, food energy, protein of plump, golden wheat itself! With all the healthful bran and wheat germ left in. Why not some of Wheaties 100% whole wheat nourishment for you—tomorrow morning? Sure. "Breakfast of Champions!"



Farm-size-appetite? Buy Wheaties in the Extra-Big-Pak. 50% more... at a saving.



"Wheaties" and "Breakfast of Champions" are registered trade marks of General Mills.

14.40 pounds of ground sorghum grain, 2 pounds cottonseed cake, and .10 pound of ground limestone.

Strange to say, steers that made best gains as yearlings and from birth to market made least gains as calves and ranked second off grass as yearlings.

However, top gaining steers for the entire period made best use of their feed, ate a little less silage and made cheaper gains than steers in any of the other lots.

Another oddity was that heifers sired by the same bulls that produced the winning steers made the poorest gains, while the sire of the poorest-gaining steers produced best-gaining heifers.

In explanation, L. C. Aichers, superintendent of the station, stated that heifers sired by the best bull apparently needed a greater proportion of concentrates to make full development.

Heifers were lotted according to sires and fed a good maintenance ration for 138 days. The ration consisted of 43.91 pounds of silage and 4 pounds of ground alfalfa daily.

Because of the influence of different cows on the offspring, several more years of breeding will be required to get a good picture of just how much influence the sire will have on feeding efficiency of calves.

Results That Tell

Weight, dressing percentage and carcass grade for steers fed in this experiment last year were reported as follows:

Lot 1: (10 head) weight, 1,189; dressing percentage, 62.41; carcass grade, 10 choice.

Lot 3: (11 head) weight, 1,255; dressing percentage, 62.88; carcass grade, 7 choice, 4 top good.

Lot 5: (11 head) weight, 1,204; dressing percentage, 62.29; carcass grade, 7 choice, 4 top good.

Lot 7: (11 head) weight, 1,213; dressing percentage, 61.10; carcass grade, 1 choice, 7 top good, 3 good.

Lot 9: (12 head) weight, 1,135, dressing percentage, 63.01; 2 choice, 5 top good, 5 good.

Comparative values of corn and sorghum distillers dried grains were studied for the second year at the station and this year, in addition, were compared with cottonseed cake as a protein supplement.

Good-quality Texas yearling steers summered on grass on the station were used. All were given all the sorghum silage they would consume and 16 pounds of ground sorghum grain per head daily. One lot then got 4 pounds of corn and a second lot 4 pounds of sorghum distillers dried grains as the protein supplement. The check lot was given 2 pounds of cottonseed cake daily.

Last year there was an advantage of .19 pounds daily gain in favor of corn over sorghum distillers dried grains. This year the sorghum distillers dried grains produced daily gains of .26 pounds daily more than the corn. Steers receiving 2 pounds of cottonseed cake made an average daily gain of 2.62 pounds, which was only .03 pounds daily less than the gain made by steers receiving sorghum distillers dried grains.

During the afternoon program farmers heard talks by Governor Edward F. Arn, Dr. A. D. Weber, associate director of the Kansas Experiment Station; Dr. Rufus F. Cox, head, animal husbandry department, Kansas State College, and Dr. W. W. Franklin, entomologist, Fort Hays Experiment Station.

The largest crowd ever to attend a Feeders Day at Hays was present for the program.

Starts May 25



Off to camp for 4-H'ers. This will be popular in 1951, report club leaders.

Farmers tell us—



- LASTING LUBRICATION
- CONSTANT CLEANSING
- COMBATS CORROSION
- FIGHTS FRICTION
- CUTS CONSUMPTION

Among All MOTOR OILS Champlin HI-V-I STANDS OUT

for its Ruggedness!
its Dependability!
and its Economy!

HI-V-I gives the dependable lubrication needed to protect older model tractors, as well as new ones; that it steps up engine efficiency by its cleansing action; guards against damaging friction and corrosion to prevent engine wear! Oil consumption is cut by HI-V-I's uniform penetration of vital engine parts and its resistance to oxidation at high speeds and temperatures.



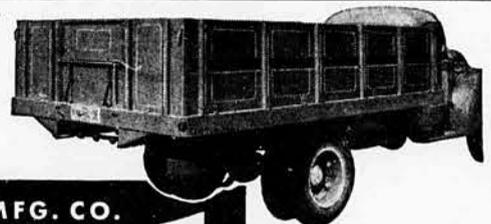
Sail right through the planting and harvest seasons without the danger of costly breakdowns, caused by faulty lubrication. Rely on HI-V-I... the motor oil that has been tried and proven by thrifty farmers! Your friendly Champlin dealer is an expert on farm lubrication needs. Stop in at the sign of guaranteed service, next time you're in town. Ask for Champlin HI-V-I!

a product of CHAMPLIN REFINING CO.,

Producers, Refiners, and Distributors of Quality Petroleum Products Since 1916

Buy United States Savings Bonds—Now!

A truck body for every farm job!



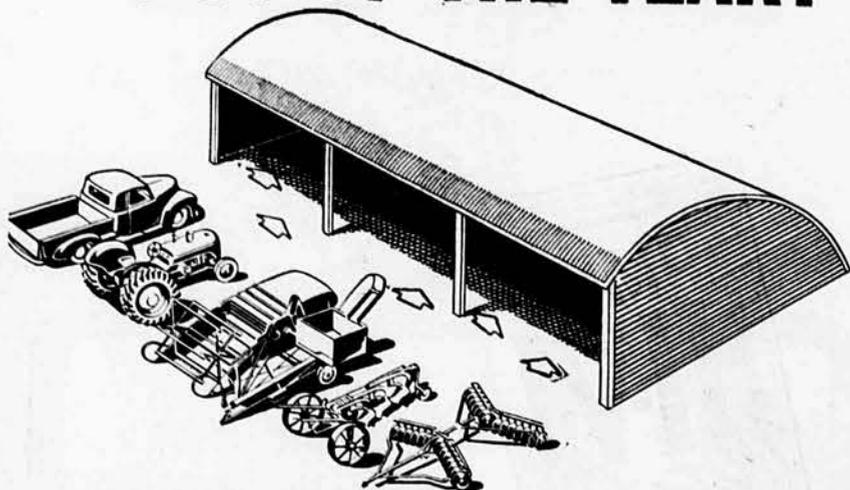
KNAPHEIDE MFG. CO.
KNAPHEIDE
QUINCY, ILLINOIS

Serving the farmer for 102 years

★ WRITE DISTRIBUTOR FOR ILLUSTRATED LITERATURE

KNAPHEIDE DISTRIBUTORS
O. J. WATSON CO., Distributor, 2115-2117 Broadway, Wichita 4, Kansas

THE FARM BUILDING BUY OF THE YEAR!



STRAN-STEEL QUONSET 24 SPECIAL

This great farm building can work for you in many ways. Use it as a loafing barn for cattle—for storage of all sorts—to protect valuable trucks or farm implements. It's a real production tool.

The Quonset 24 Special is available in any length you need, in sections of 12'. Its minimum size is big enough to shelter a truck, tractor, small combine, cultivator plow and disc harrow—all at one time. No interior pillars or posts to interfere. It can be erected on raised foundations to accommodate extra-tall machinery.

For an all-round utility building that gives you year-round service, plan on adding a Quonset 24 Special to your farm this year. Get the facts from your nearby Quonset dealer right away.

QUONSETS GIVE YOU EXTRA ADVANTAGES

Quonsets are made of N-A-X HIGH TENSILE steel, patented and produced by Great Lakes Steel Corporation. The use of this stronger, tougher steel permits simplified construction that saves you money, yet provides a structure of tremendous strength and durability. Quonsets are wind-resistant, non-combustible, rot-proof . . . completely permanent.



QUONSET 24 SPECIAL

- Perfect Shelter for Equipment or Livestock
- Easy to Buy, Erect and Maintain

GREAT LAKES STEEL CORPORATION

Stran-Steel Division • Ecorse, Detroit 29, Michigan



NATIONAL STEEL CORPORATION

Use this coupon for information about Quonsets in use in your kind of farming. (We will include the name of your nearest Quonset dealer, from whom you can get the detailed costs.)

NAME _____
 ADDRESS _____
 CITY _____
 STATE _____

What 5,000 Heard At Annual Feeders Day

SOME 5,000 persons attended the 38th annual Feeders Day program held on the Kansas State College campus, Manhattan, May 5. Here is a brief outline of results reported on various experimental work being done at the college station:

Hogs

1. Adding sorghum distillers dried solubles to make up part of different protein mixtures for fattening swine fed on alfalfa pasture showed no marked advantage.
2. Adding thyroprotein to the basal ration of growing and fattening pigs in dry lot brought no apparent benefit to the hogs.
3. When given 9 different varieties of sorghum grains to eat free choice, pigs showed they liked the varieties in the following order—Westland, Gurno, Midland x Wonder Club, Midland, Martin, Cody, Cody x Wonder Club, Westland x Cody, and Leoti x Atlas.
4. Rolled and ground milo grain proved more palatable than whole milo grain when fed for finishing pigs in the dry lot, but it required more ground or rolled milo per 100 pounds gain than it did whole grain.
5. Addition of APF-Aureomycin supplement to plant protein supplement and to a mixed animal and plant protein supplement increased rate of gain on hogs but brought no marked lowering of costs of gains.

Sheep

1. Salt added to a basal ration of alfalfa hay and corn brought higher daily gains than were made by lambs not getting salt. At Garden City lambs given salt made more rapid and more economical gains than those not getting salt.
2. Yearly tests continue to show that lambs fed a moderate amount of concentrates in relation to roughage gain almost as much and at less cost than those getting a highly concentrated ration.
3. Pelleted alfalfa is equal to alfalfa hay in lamb fattening rations when fed with corn in medium concentration; is more costly and less effective than hay in higher concentration.

Frozen Meats

1. Experiments on storing frozen meats in home freezers have brought out that freezer owners need to observe the following 5 points—careful selection, proper packaging, sharp freezing, storage at zero degrees F., or lower, and do not store too long. The following recommendations are offered: Be sure your unit will maintain a uniform storage temperature of zero degrees F., or lower. When used for freezing the regulator should be set at "Maximum" for 24 hours, and then returned to normal operation, if operation costs are to be held at minimum. A home unit should not be overloaded with hot foods. Not more than 6 to 8 pounds of meat per cubic foot of storage should be frozen at one time. When larger amounts are to be processed and frozen, it should be done at a plant with ample capacity.
2. For all frozen meats the following recommendations are made—select only approved wrapping materials, wrap tight, and do not store too long; wax papers are not recommended for storage period of more than 60 days, but cellophane MSAT 87, or cellophane laminate, glassine laminate, polyethylene on a Kraft backing, wax dip, plyofilm, vacuum pack, and some others are very satisfactory for storage of meat at zero degrees F. for 6 to 12 months. Double wrapping with an inferior paper does not offer additional protection. The method of applying the wrapper, butcher style or confectioners style, makes no difference if wrapping is done properly.

Beef Cattle

1. In comparing rolled, coarse-ground, and fine-ground grain for fattening yearling heifers, the method of feed preparation did not affect daily gains and only small differences occurred in grain consumption and efficiency of gain. Grains used were barley and corn.
2. There was little difference in daily gain, grain consumption or efficiency of gains when a comparison was made in feeding rolled, coarse-ground, and fine-ground milo grain for fattening steer calves.
3. Best method of wintering steer

calves that are to be grazed a full season on bluestem pasture and sold as feeder yearlings: Those wintered on dry bluestem pasture and fed 2 pounds soybean pellets daily gained 405 pounds for the winter-summer, had the lowest feed cost per 100 pounds gain, lowest total feed cost, and made greatest return. Calves wintered in dry lot and fed prairie hay, 1 pound of soybean pellets and 4 pounds corn daily gained 456 pounds for winter-summer and made practically as much money as calves wintered on dry grass. Calves wintered on prairie hay and 1 pound soybean pellets daily gained 385 pounds, compared to 404 pounds per head for calves wintered on sorghum silage and 1 pound of soybean pellets daily. Prairie hay, 1 pound of soybean pellets, and 2 pounds of corn daily produced only 405 pounds of gain for the winter-summer.

4. Steer calves wintered on dry bluestem pasture (6 acres of good dry grass to each calf) and fed 2 pounds of soybean pellets daily gained 113 pounds a head from December 5, 1950, until April 16, 1951. Steer calves wintered in lots on prairie hay or sorghum silage, supplemented with 1 pound soybean pellets daily, gained 139 and 105 pounds per head respectively.

5. Sorghum silage vs. prairie hay in wintering ration of steer calves—steer calves consuming 28 pounds sorghum silage and 1 pound soybean pellets daily gained .80 pounds daily as compared to 1.05 pounds daily for steer calves fed 13 pounds prairie hay and 1 pound of soybean pellets.

6. Two pounds milo grain added to a wintering ration of prairie hay and 1 pound soybean pellets fed to steer calves increased daily gain .16 of a pound. Four pounds milo grain daily raised daily gain .22 of a pound.

7. Full-feeding corn to yearling heifers on bluestem pasture for 100 days starting July 15, as compared to full-feeding in the dry lot, reversed previous findings. Those full-fed on pasture made slightly greater gains, had noticeably lower feed costs, made a larger return per head, and had higher-grading carcasses.

8. It did not pay to add grain to the winter ration of heifer calves wintered, grazed, and then fattened for early-fall market. Heifers that were fed no corn (compared to those getting 2 pounds corn daily during winter) made nearly as much total gain (winter, summer, and full-feeding combined). They also showed a larger profit.

9. A lot of heifers grazed on brome pasture only for 48 days after the wintering period and then full-fed 30 days on brome and 60 days in the dry lot made the best total gain, the largest full-fed gain, graded highest in carcass, and returned more profit than heifers full-fed 100 days on brome or 100 days in dry lot.

10. Yearling steers wintered on dry bluestem pasture and fed 2 pounds soybean pellets daily gained about 100 pounds. Steers fed soybean pellets every other day gained 79 pounds. Nearly 50 pounds of gain per steer for the winter was made by steers wintered on dry bluestem pasture and fed about 7 pounds of alfalfa hay daily, or self-fed a soybean oil meal and salt mixture. Steers getting soybean pellets during winter held their advantage thru the following grazing period.

11. Feeding protein (3 pounds soybean oil meal pellets daily) on bluestem pasture during the latter part of the grazing season did not pay in the 1950 feeding tests.

12. Yearling steers on dry bluestem pasture during the winter gained 75 pounds when fed soybean oil meal pellets every other day (average 2 pounds daily) and gained only 62 pounds when fed 2 pounds of soybean oil meal pellets daily. Steers fed about 7 pounds of alfalfa hay daily or self-fed a soybean oil meal and salt mixture, gained about 50 pounds a head for the winter.

13. Different methods of management of bluestem pasture produced the following gains per head using yearling steers: stocked 4 acres per head, 221 pounds; 3 acres, 210 pounds; 6 acres, 214 pounds; deferred and rotated pastures (3.6 acres per head), 205 pounds; early spring burned, March 24, 1950 (4 acres per head), 216 pounds; medium spring burned, April 13, 1950 (4 acres per head), 254 pounds; late spring burned, May 2, 1950 (4 acres

(Continued from Page 17)

DANSCO Grain Loaders



FARMERS SAVE LABOR COSTS AND VALUABLE TIME

DANSCO grain elevators will load or unload up to 1000 bushels per hour. Available in lengths 9, 10½, 12, 16, 20, 30 and 40 feet.

See your dealer now while all models are available or write us for literature and prices.

DANSCO
Farm Equipment Company
123 W. Park Enid, Oklahoma

For Greater Farm Profits

Own a KANSAS-MISSOURI SILO and GRAIN BIN

They lead the field in every essential feature. There is a reason. Our New Method of manufacturing builds Greater Strength—Beauty—Durability.

Grain Bins that are Waterproof—Fireproof—Vermiproof. Investigate our payment plan before you buy—monthly, quarterly or semi-annually. LIBERAL DISCOUNT for early orders. ASK any K-M owner.

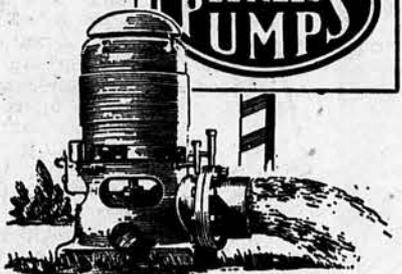
Write for complete information. **KANSAS-MISSOURI SILO CO.**
1829 Kansas Ave.
Topeka, Kansas, Phone 2-2757

Sign of the times



BE READY

WITH



CAPACITIES: Up to 30,000 gpm
LIFTS: From any practicable depth
DRIVES: Electric, V- or flat belt or right angle gear drive
LUBRICATION: Choice of oil or water lubricated types

MAIL COUPON FOR BULLETIN

PEERLESS PUMP DIVISION
Food Machinery and Chemical Corp.
301 West Avenue 26
Los Angeles 31, California
Please send free Bulletin B-141-3 describing Peerless deep well Turbine Pumps.

Name _____
Address _____
Town _____ State _____

per head), 230 pounds. The grazing season extended from May 8 to October 5.

The largest gain per acre occurred on the overstocked pasture, and the smallest gain per acre on the understocked pasture.

At the close of the grazing season the burned pastures did not appear to be as heavily grazed as the non-burned pasture stocked at a similar rate. More spot grazing took place in the non-burned pasture. The heavily stocked pasture (3 acres per head) appeared to be closely grazed and the understocked pasture (6 acres per head) lightly grazed. The deferred and rotated pastures compared favorably with the moderately stocked pasture (4 acres per head) which was grazed straight thru the summer.

Salt Increases Gains

14. Leaving salt out of the diet of steers definitely holds down their gains, it is shown by experiments dating back to 1949. Greatest difference in gain occurred during the wintering phase when calves allowed access to salt gained 139 pounds per head as compared to 80 pounds per head for those not fed salt.

During the winter of 1950-51, 4 lots of steer calves were used. Two lots were full-fed and 2 were wintered. Gains on full feed or on wintering rations were decreased appreciably when salt was not fed. Steers having access to salt ate more, especially on full feed, and were more efficient gainers.

Kansas Cattlemen Receive Awards

RECOGNITION was given 31 Kansas cattlemen May 5, for their outstanding records in beef production in connection with the 1950 Kansas Beef Production Project. Awards were made during the annual Livestock Feeders' Day program at Kansas State College.

The project is sponsored by Kansas State College in co-operation with the Kansas City, Mo., Chamber of Commerce. This year 82 records were submitted by cattlemen in all 3 divisions of the beef production project.

V. E. McAdams, Dickinson county agent, won the special award given to the agent who made most progress in beef production during 1950, with all phases of the Agricultural Extension Service beef production program taken into consideration. He was presented a 15-jewel gold Elgin wrist watch. Lee J. Brewer, Riley county agent, received honorable mention. For having outstanding record in the feeder calf division, a special recognition trophy was awarded Ralph Deewall, Comanche county, by the Kansas Hereford Breeders Association. Dr. Deewall weaned 47 calves from his 48 cows at 204 days old, and the average of calves was 502 pounds.

Individuals winning plaques and certificates in each of the 3 divisions of the project include:

Plaque Winners

Feeder Calves—John Swain, Coldwater, Angus; Ralph Deewall, Coldwater, Hereford; Briggs and Bailey, Mullinville, Hereford, and V. W. McMinimy, Ashland, Hereford.

Creep-Fed Calves—R. D. McCallum, Matfield Green, Hereford; George and Neal McCallum, Elmdale, Hereford; Mareus Ferree, Yates Center, Hereford, and Walter Bitterlin and Son, Milford, Angus.

Deferred-Fed Yearlings — Dan D. Casement, Manhattan, Hereford; Wesley R. Sylvester, Milford, Hereford; Arthur A. and LeRoy F. Fry, Little River, Hereford, and L. E. Crawford, Detroit, Hereford.

Certificate Winners

Feeder Calves—Sidney Johnson, Lindsborg; H. P. Parkin, Greensburg; V. Dombough and F. Dusenbury, Anthony; Eldon Clark, Paxico, and Charles Parkins, Coldwater.

Creep-Fed Calves—T. A. Campbell and Son, Beloit; Wendell Buss, Oxford; Howard Birkbeck, Burlington, and Clarence Gatch, Hope.

Deferred-Fed Yearlings — Albert S. Classen, Whitewater; John C. Pretzer, Elmdale; C. A. Jones, Hanover; Charles J. Mueller, Hanover; Alvin Hoover, Detroit; Fred Harper, Glasco; W. L. Murray and Sons, Mound City; O. E. Danielson and Son, Lindsborg; Curtis Swart, Riley, and F. J. Raleigh, Clyde.

Now...Safeguard your stored Wheat



AGAINST WEevil DAMAGE



Weevils feeding on wheat that has been stored without the protection of Pyrenone WHEAT Protectant.

Clean, saleable wheat that has been treated before going into storage with Pyrenone WHEAT Protectant.

Weevils have big appetites! In the dramatic close-up photograph on the left, above, you are looking at weevils doing their worst on a sample of heavily infested wheat. Shrinkage losses resulting from such damage often run as high as 14 per cent. Add to this the market dockage you suffer and you see why it is not at all uncommon for the farmer or country grain handler to lose a total of 45 cents per bushel on two-dollar wheat. In the past, a lot of that insect damage was inevitable—there just wasn't any practical way to control these hungry pests.

At last there's a practical, economical answer to the problem—Pyrenone WHEAT Protectant. Not a fumigant, it is a pulverized wheat powder that can be easily mixed with your wheat when you put it into storage—without health hazards to man or animals—without inconvenience at milling or processing time. You cut insect damage to a minimum and provide your stored wheat with protection against weevils for an entire storage season. Cost is only 2¢ to 3¢ per bushel of wheat treated.

Cost Per Bushel of Insect Damage (Four Months' Storage)

With the busy harvest time fast approaching it would be wise to order Pyrenone WHEAT Protectant now. A 50 lb. bag treats 660 bushels.

Direct your farm supply store to order a supply for you. Or, send us your dealer's name and we will contact him.

Kansas Wheat Improvement Association figures based on studies conducted by the U.S.D.A.—computed for \$2.00-per-bushel wheat.

VALUABLE FREE BOOKLET. Write today to U. S. Industrial Chemicals, Inc., Dept. WK-5, 60 East 42nd Street, New York 17, N. Y., for a free booklet giving all the details on

Pyrenone*

WHEAT PROTECTANT

*Reg. U. S. Pat. Off.

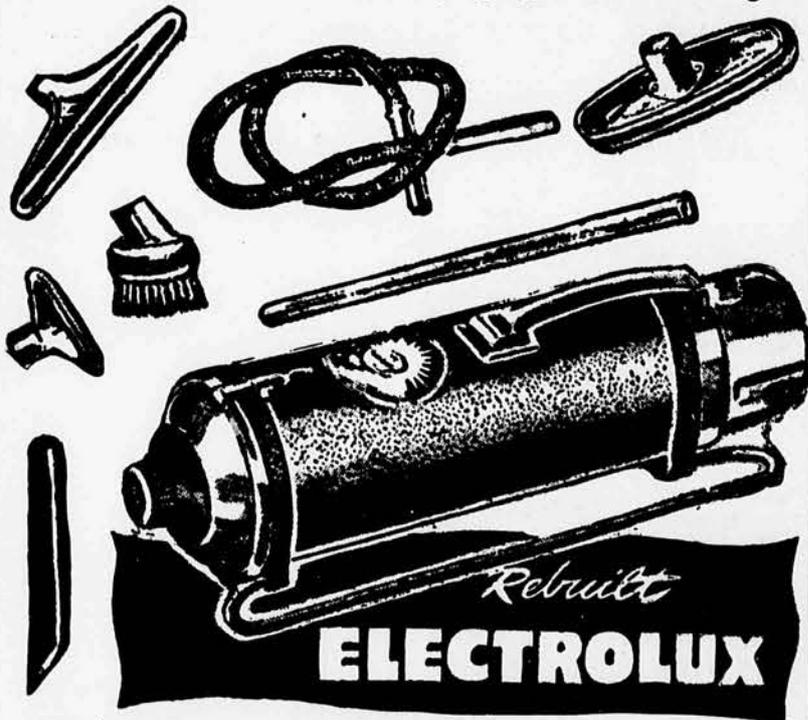


SPRAYER

At No Extra Cost

With First 100 Orders

For *Mothproofing *Paint Spraying *Floor Waxing



Rebuilt
ELECTROLUX

LIBERAL ALLOWANCE

For Your Old Cleaner

Terms if Desired



Including Attachments
only
\$13.95
Full Price

Out of Town Orders Receive Prompt Attention
Mail Coupon Below for Free Home Demonstration Anywhere in
Kansas, Oklahoma, or Missouri

HOME VACUUM CLEANER STORES

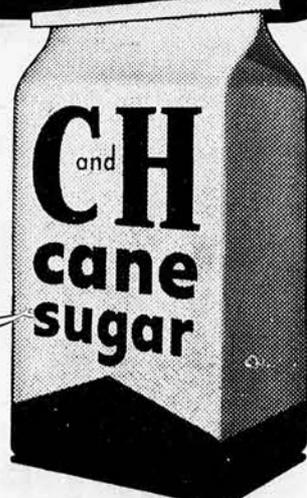
- 320 Liberty St.
Hutchinson, Ks.
- 4332 Brooklyn
Kansas City, Mo.
- 806 S. Santa Fe
Salina, Ks.
- 322½ N. Main
Garden City, Ks.
- 1108 Van Buren
Topeka, Ks.
- 1709 East Lincoln
Wichita, Ks.
- 1220 Spruce
Coffeyville, Ks.

Dear Sir:
I am interested in a FREE Home Demonstration of a Rebuilt Electrolux Cleaner, complete with Attachments.

Name.....
Address.....
City..... State.....
(If R. F. D. Please Give Directions) KF 5-19

Be wise: **CAN** with **CANE**

western women
favor



Your fine canned fruit deserves it!

Choice Summer Designs

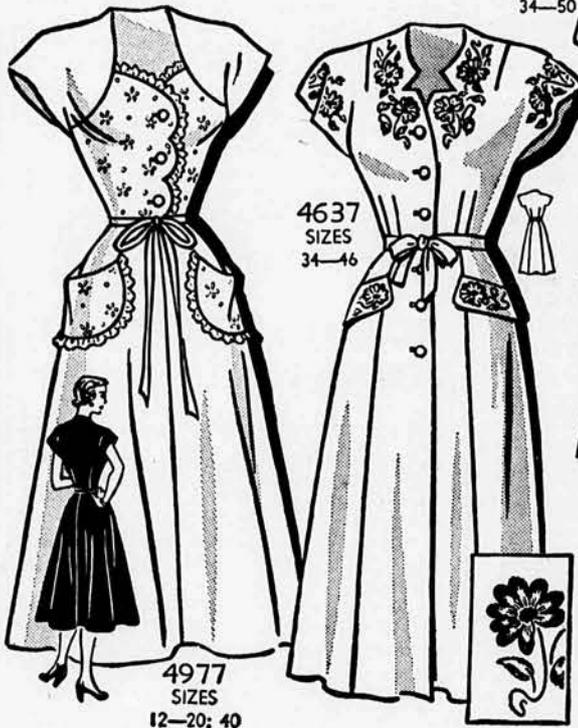
4606—Ensemble for town or country. Sizes 34 to 50. Size 36 set takes 4¾ yards of 35-inch; 2¼ yards eyelet.

4977—Smooth-fitting charmer with easy-sew details. Sizes 12 to 20 and 40. Size 16 uses 3½ yards; ¾ yard contrasting 35-inch.

4637—Slim and youthful with embroidered trimming. Sizes 34 to 46. Size 36 takes 3½ yards 39-inch. Transfer included.



4606
SIZES
34-50



4637
SIZES
34-46

4977
SIZES
12-20; 40



9229
SIZES
12-20

9229—Just 2 main pattern pieces. Sizes 12 to 20. Size 16 takes 3 yards 35-inch material. Transfer pattern included.

9104—Skirt and blouse outfit for the junior miss. Sizes 11 to 17. Size 13 blouse takes 1¾ yards; skirt, 3¾ yards of 35-inch material.

4937—Toddler style and easy to sew. Sizes 1 to 5 years. Size 2 ensemble takes 2¾ yards of 35-inch material.



9104
SIZES
11-17



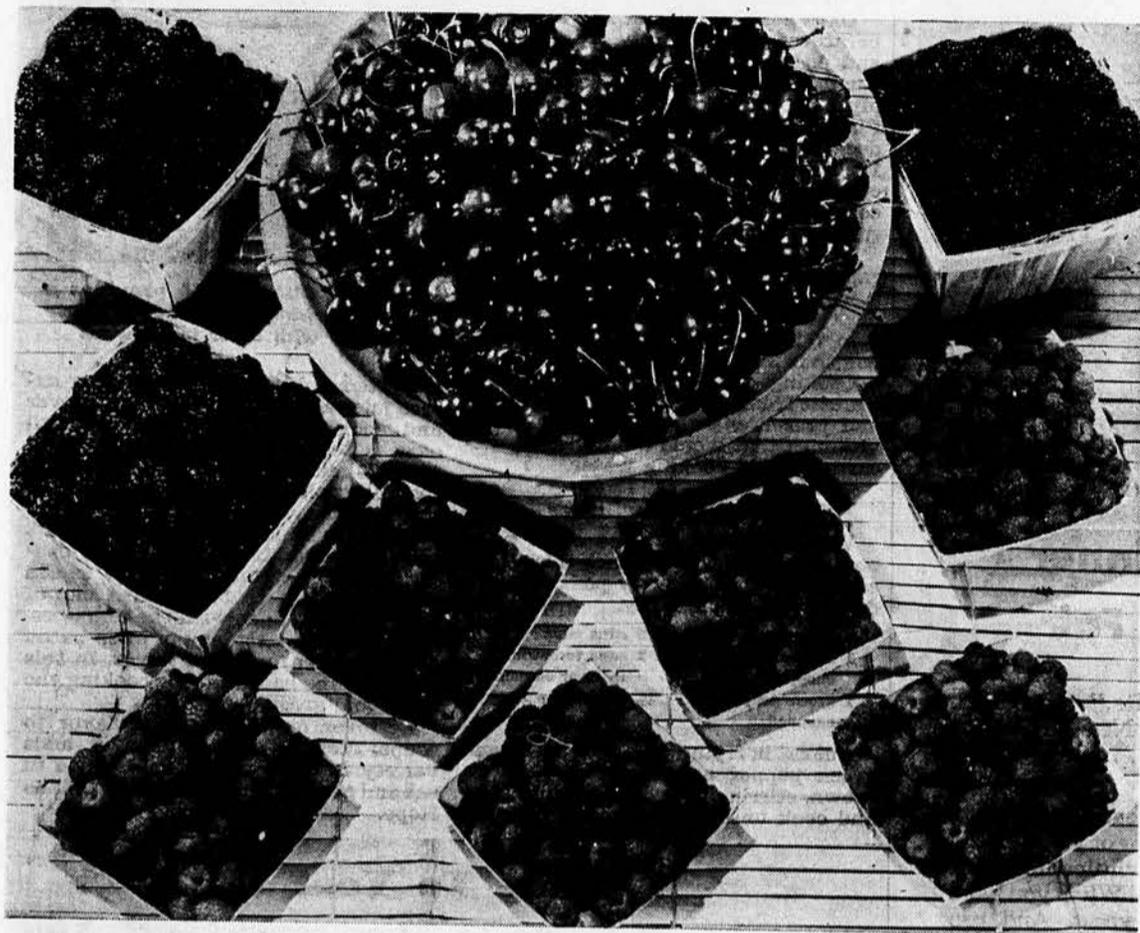
4937
SIZES
1-5 yrs.

Pattern Numbers	Size	Name
		Route
		Town
		State

Send 30 cents for each pattern to the Fashion Editor, Kansas Farmer, Topeka. Use coupon above. Twenty cents more for the new pattern book with a free pattern printed in the book.

Kansas Farm Home and Family

FLORENCE McKINNEY, Editor



BERRIES ARE A LUXURY. Blackberries, raspberries and cherries combine well in jam.

Let's Talk About

BERRIES

TO COMPROMISE is good judgment when the berry season rolls around. Some in jars, some in the freezer. Berries take sugar and plenty of it. It's an important ally for it brings out the natural flavor of the fruit and helps to preserve the color, shape and texture. Either beet or cane sugar gives the same satisfactory results.

As most folks know, frozen strawberries are wonderful. So are red raspberries. But blackberries and black raspberries are just fair and for that reason we recommend them in some other form, canned, or in jelly, preserves and jam. It's the seeds that cause the trouble when frozen.

After sorting strawberries, wash a few at a time in cold water, lift them out and drain in a colander. Next hull them. Hulling strawberries before washing loses juice. Either whole or sliced, strawberries are good when frozen.

Mix whole or sliced strawberries with sugar, about three-fourths cup of sugar to each quart of berries. Turn them over and over with the sugar until it is entirely melted. Most folks think this method brings out a better flavor than when sugar is poured over the berries in the freezer container.

Put berries into containers, allowing about one-half inch space in pints and one inch in quarts. Take special care that the juice completely covers the berries. You may push down the fruit with a spoon, if necessary.

That's all, except to put them to freeze at zero or below. Proceed in a little different manner with red raspberries, only because they are more delicate. Wash them gently in very cold water, iced if possible. Then fill the container one-fourth full with berries, add one-fourth the sugar, and repeat until the container is

nearly full, allowing of course for expansion at the top. There is less handling by this method. Use about the same proportion of sugar to berries as for strawberries, three-fourths cup to a quart.

Sour Cherry-Raspberry Jam

4 cups prepared fruit 7 cups sugar (beet or cane)
 ½ bottle fruit pectin

Stem and pit about 1¼ pounds fully ripe sour cherries. Chop fine. Crush thoroly about 1 quart fully ripe raspberries. Combine fruits and measure 4 cups into a large saucepan. Add sugar to fruit and mix. Place over high heat, bring to a rolling boil and boil hard for 1 minute, stirring constantly. Remove from heat and at once stir in bottled fruit pectin. Then stir and skim by turns for 5 minutes to cool slightly, to prevent floating fruit. Ladle quickly into hot glasses. Paraffin at once. Makes about 10 six-ounce glasses.

Berry-Cherry Jam

4 cups prepared fruit 7½ cups sugar (beet or cane)
 1 bottle fruit pectin

Crush well about 1 pint each of ripe blackberries and raspberries. Stem and pit about 1½ pounds ripe cherries. Chop fine. Combine fruits and measure 4 cups into large saucepan. Add sugar to fruit and mix. Place over high heat, bring to full rolling boil and boil hard for 1 minute, stirring constantly. Remove from heat and at once stir in bottled fruit pectin. Then stir and skim by turns for 5 minutes to cool slightly and prevent floating fruit. Ladle quickly into hot glasses. Paraffin at once. Makes 11 six-ounce glasses. [Continued on Page 20]



SPRINKLE ON SUGAR. Turn fruit over with spoon to draw out juice before putting in container.



LABEL THE CONTAINER. This plastic freezing container is sealed by merely pressing down the lid.



Praises speed of New Dry Yeast

Lyons Cook is Top Winner at 1950 Kansas State Fair

Mrs. Carl Willms shows her husband the many ribbons she has won for her cooking exhibits . . . 137 altogether! She took her latest awards at the 1950 Kansas State Fair, where she was one of the top winners.

Mrs. Willms became a really experienced cook while bringing up a family of three daughters. And like so many experienced cooks, she says Fleischmann's New Improved Active Dry Yeast is the finest she has found. "It certainly gives me prize-

winning results," says Mrs. Willms. "This New Dry Yeast is so speedy . . . and so much easier to use!"

You can't beat it—the rich, delectable flavor of yeast-raised goodies. So wholesome and nourishing, too! When you bake at home, use yeast. And use the best—Fleischmann's New Improved Active Dry Yeast. It's faster . . . faster working, faster dissolving. So much easier to use! Get several packages today.

Okra is Good Eating

OKRA, once considered a southern vegetable, gradually is gaining popularity as more homemakers farther north learn how to use it. It is easy to grow and will produce until frost if pods are not allowed to ripen on the stalks.

Okra germinates best at warm temperatures. Plant in late May or June and pods will be ready for eating in August. A half-ounce of seed will supply plenty of okra for a family of 4. Plant the seeds from one-half to 1 inch deep, 2 or 3 inches apart, then thin to 12 inches apart in the row. Shallow cultivation saves tiny feeder roots and conserves moisture in the soil. Insects seldom bother okra.

During hot weather, pods develop rapidly and should be cut 2 or 3 times a week, while tender. Some varieties bear pods that are usable until they are 5 to 7 inches long, but the preferred length is 3 to 4 inches.

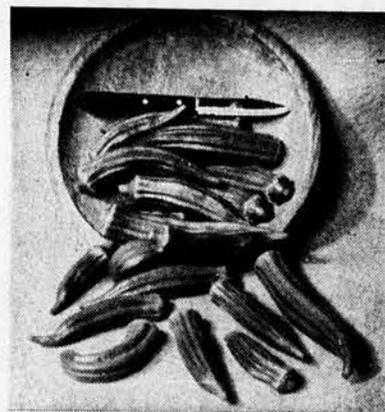
Cooking okra with tomatoes prevents it from becoming slick and gluey and preserves valuable minerals and vitamins that would otherwise be discarded in the cooking water.

Okra and Tomatoes

Wash, drain and slice okra pods crosswise into rings, 1/3 inch thick. Discard stem ends and any pods not tender enough to cut easily.

- | | |
|-------------------------|----------------------------------|
| 2 tablespoons fat | 2 cups okra |
| 1 medium onion, chopped | 2 cups tomatoes, fresh or canned |
| 1 green pepper, chopped | 1/2 teaspoon salt |

Put fat in frying pan, add onions and green pepper and cook until golden brown, stirring occasionally. Add okra and cook until lightly browned, turn-



TENDER YOUNG OKRA provides a tasty, nourishing dish when properly combined with other ingredients.

ing often. Add tomatoes, avoiding excess juice and sprinkle with salt. Cover and cook over moderate heat until okra is tender and mixture thickens; 10 to 20 minutes. Serve at once. Overcooking spoils texture and color.

For variety, add pepper or red chili powder for seasoning. Or stir in 2 or 3 tablespoons of uncooked rice or spaghetti with the tomatoes. Use excess tomato juice if this is done. A cup of corn may be added with the tomatoes.

Or sprinkle a topping of crisp bacon over the dish for added flavor. In this case, use the bacon fat for cooking the onion and green pepper.

Leftover okra adds good flavor to soups, stews and casseroles. It adds variety to everyday meals, is good to eat and good for you.—By Ruth Collins Hope.

News To You?

Provide enough electric outlets for all your lamps and appliances. Space them every 12 feet along the wall and in small areas about 3 feet apart.

Baked-bean sandwiches are tasty and nutritious favorites. Just mash baked beans or put them thru a colander. Add chili sauce or catsup. Add salad dressing if the mixture should be thinner for spreading.

The length marked on packaged zippers for packets refers to the length of the metal teeth only, not teeth plus tape.

Make leftovers work for you. Try adding a can of mushroom soup with leftover chicken. If you want to stretch it still further, add some vegetables such as peas, carrots or turnips.

One of the most economical cuts of meat is beef tongue. Simmer it gently in salted water until tender, allowing about an hour for each pound. For flavor add a sliced onion, one bay leaf or a few whole cloves. Or omit the bay leaf or cloves and add some chopped celery leaves. After cooking remove the roots and skin from the tongue and slice. Then add rice to the liquid and more water if necessary and you have wonderful soup.

It is best to remove the cellophane wrapping from a new lamp shade. Heat from the lamp can cause the cellophane to stretch and draw, pulling the entire shade out of shape.

Sweet potatoes and Irish potatoes are too much alike to serve at the same meal. So watch this point in menu planning.

Cooked sweet potatoes and sliced raw apples scalloped together are a treat. Sprinkle the layers with sugar and a little salt and dot with fat. Add just enough water to cover the bottom of the pan and bake covered in a moderate oven (375°) until apples are tender.

Some farm women we know think their new electric clothes dryers are one of the best pieces of equipment they own. Several have said they liked their dryers even better than their automatic washers. There's no lugging heavy wet clothes up or down steps or outdoors and no bother with clothespins.

Raisins have less tendency to sink in the batter if they are floured before they are added.

A dish garden will amuse and surprise the little folks and may even win you a prize in the club contest. Choose a flat pottery bowl, fill it with soil and sow grass seed or cover with moss.



Sink tiny plants like peperomia in the soil for trees. At the dime stores shop for a tiny house and barn and some miniature farm animals. With these articles, plan your farmstead. Keep this one moist so the grass will remain green and the trees continue to grow.

Talk About Berries

(Continued from Page 19)

Strawberry Jam

- | | |
|-------------------------|-----------------------------|
| 4 cups prepared fruit | 7 cups sugar (beet or cane) |
| 1/2 bottle fruit pectin | |

Crush thoroly about 2 quarts fully ripe strawberries. Measure 4 cups into a large saucepan. Add sugar and mix well. Place over high heat, bring to a full rolling boil and boil hard for 1 minute, stirring constantly. Remove from heat and stir in bottled fruit pectin. Then stir and skim by turns for 5 minutes to cool slightly and prevent floating fruit. Pour quickly into hot glasses. Paraffin at once. Makes about 10 six-ounce glasses.

Strawberry Jelly

- | | |
|-----------------------------|-------------------------------|
| 5 cups juice | 2 boxes powdered fruit pectin |
| 7 cups sugar (beet or cane) | |

Crush well about 3 1/2 quarts fully ripe strawberries. Place in jelly cloth or bag and squeeze out juice. Measure 5 cups into large saucepan. Measure sugar and set aside. Place saucepan holding juice over high heat. Add powdered pectin and stir until mixture comes to a hard boil. At once, stir in sugar. Bring to full rolling boil and boil hard for 1/2 minute, stirring constantly. Remove from heat, skim and pour quickly into hot glasses. Paraffin at once. Makes about 12 six-ounce glasses.

Buy United States Savings Bonds—Now!



The Story of THE CAPPER FOUNDATION

tells of crippled children made whole! Of sad parents made happy! Of more and more handicapped children to be made, "like other boys and girls." It tells how you may do something worthy of the best there is in you by helping in this ever widening mission of healing! Get your free copy of this story. Write today to

THE CAPPER FOUNDATION for CRIPPLED CHILDREN Capper Bldg., Topeka, Kan.

Help Pep Up Your Flock With TONAX

Provides bloodbuilding elements and trace minerals sometimes lacking in the diet. Stimulates intestinal activity.

- Mix easily in the mash!
 - Acts as an appetizer!
- Low cost! 12 oz. can, 40¢; 2 lb., \$1.00; 6 lb., \$2.65



At Your Lee Dealers — Drug Hatchery, Feed, Seed Store

Lee's POULTRY MEDICINES GEO. H. LEE CO. Omaha 8, Nebr.

Housework Easy Without Nagging Backache

When kidney function slows down, many folks complain of nagging backache, loss of pep and energy, headaches and dizziness. Don't suffer longer with these discomforts if reduced kidney function is getting you down—due to such common causes as stress and strain, over-exertion or exposure to cold. 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. While often otherwise caused, 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!

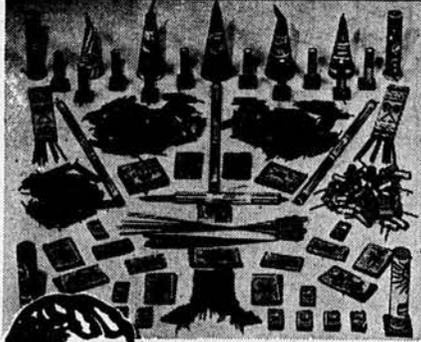
FOR BETTER METALWARE VALUE ASK FOR AND GET MARTIN WARE

Martinware includes almost every type of metalware needed for farm and home service. It's been a favorite brand with farm families for over 40 years. Ask your hardware dealer.

GENERAL METALWARE CO.
Minneapolis 13, Minn., Portland 10, Ore.

SEE YOUR HARDWARE DEALER FOR BETTER VALUES IN METALWARE

FIREWORKS



LOOK, FELLOWS
YOU CAN GET THIS COMPLETE ASSORTMENT

LARGEST SELECTION EVER OFFERED AT THIS PRICE!

for Only **\$4.95**
(REGULAR RETAIL PRICE APPROXIMATELY \$13.00)
SAVE \$8.95!

RICH BROS.' ALL-AMERICAN ASSORTMENT

Get set for the most fun you've ever had! Enough fireworks to last all day! Evening pieces, too! Contains plenty of Imported Flashcrackers including four packages of the world-famous Gorilla Cracker! PLUS ALL THESE ITEMS: Repeating Bombs, Sky Rockets, Sparklers, Roman Candles, Whistling Cyclone, Electro-Cannon Salutes, Fountains, Battle in the Clouds, Cherry Bombs, Cones, Aerial Flyers, Volcanoes, Rain Torch, Aerial Bombs, Snakes, Comets, Sparkling Fire Darts, Novelty Cones, ALSO 150 Salutes - FREE PUNK!

Shipped By Express Only. None sent C. O. D. Enclose M. O. or Check. Name nearest Express Office. Print Name and Address.

WRITE FOR FREE CATALOG OF OTHER ASSORTMENTS & DISPLAYS

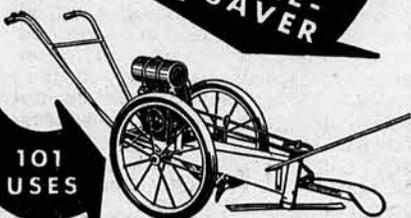
RICH BROS.' FIREWORKS CO.

DEPT. 2T BOX 514 SIOUX FALLS, S. D.

ROOF FENCE ROW WEED CUTTER

TAKES THE WORK OUT OF WEEDS

TIME-SAVER



Saves hours of hard work, cutting everything from tough blue grass to light brush with no effort at all!

CUTS WITHIN 1/4" of fence rows, buildings, trees and other obstacles. Ideal for yard, timber, garden, orchard, spot weed control.

FORWARD DRIVE optional with new Self-Propeller. Can be applied when needed, idled for close work.

MOWS LAWNS, TOO! Just one simple adjustment. See your dealer, or for our special folder on keeping your farm LOOKING LIKE A MILLION, write

ROOF WELDING WORKS PONTIAC 6, ILLINOIS

If They Build What They Want

Most farm families know what they want if, and when, they build. It's more "when" than "if." Missouri and Kansas were included in a survey of 12 Midwestern states made by the Bureau of Human Nutrition and Home Economics in co-operation with the experiment stations. This is what the average farm family wants.

A one-story house with 6 or 7 rooms, a sloping roof and central heating was first choice. The house must have one or more porches, a spare bedroom, a basement, coat closet on the first floor, a separate diningroom, first-floor workroom and a drive so planned that callers will come to the front door.

The one-story houses proved most popular, of the families who preferred 2 stories, about three fourths, said they wanted one or more bedrooms downstairs and a bathroom on the first floor if there was no lavatory.

Most families wanted to have a dining area in the kitchen but many wanted an additional dining room to accommodate 6 or more people.

About half the women asked for clothes-drying space in the basement and three fourths of all the families interviewed needed space to use as a farm business center. Many of them considered a desk adequate.

Seventy-five per cent of the homes lacked running water, 55 per cent lacked basements with finished walls and floors, 65 per cent had fewer than one clothes closet for each bedroom in the house, 30 per cent adequate number of bedrooms and 30 per cent lacked electricity.

A Husband, a Wife and Reading Lamp

Sometime we argue . . . first in fun
Yet long before the talk is done
We disagree. You do not falter
And stubborn facts you will not alter,
Then tense and miffed I hold my own
And almost wish I lived alone!
But long before the evening's thru
I thank the Lord that I have you!

—By Edna Hull Miller.

Spring's First Call

The many are the gifts of spring
I do not ask for any thing . . .

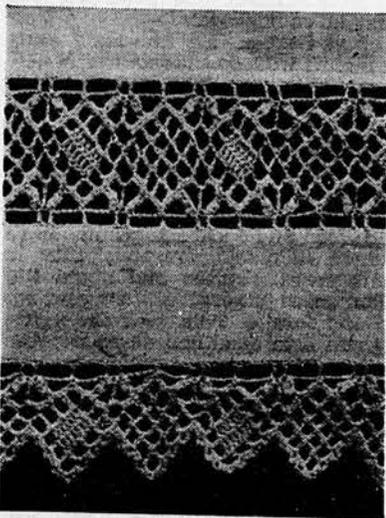
Not even lilac scented morn
Nor sight of awkward calves new born
Nor touch of pussywillow spears
Nor cheep of wee chicks in my ears . . .
If I may but commune with God
While my own hands turn fresh moist sod.

By C. S. M.

Various Canning Methods

"Home Canning of Fruits and Vegetables, is a USDA bulletin women will appreciate having for reference as it gives complete instructions for canning fruits and vegetables. Canning season is almost upon us so we suggest you send for your copy today, to Bulletin Service, Kansas Farmer, Topeka. Please include 3 cents.

Edging and Insertion



Edging and insertion for household linens. Send 5 cents for leaflet No. E-135 to the Home Service Editor, Kansas Farmer, Topeka.

Only Ren-O-Sal Produces faster Growth

Even With Vitamin B₁₂ And Aureomycin In The Feed

prevents Coccidiosis



For Use In Drinking Water Or Feed



DR. SALSBUARY'S
Ren-O-Sal
with **GS** (Growth Stimulation)
factor

Contains Widely Publicized
ARSONIC ACID DERIVATIVE
3-Nitro 4-Hydroxy Phenylarsonic Acid
Exclusively Dr. Salsbury's

Prevents Cecal Coccidiosis—Prevent the spread of cecal coccidiosis in chicken flocks this easy, low-cost way. Just drop handy Ren-O-Sal tablets in water and

mix. Cost is low...about 1c per bird treated. Has reduced chick losses for thousands of poultry raisers.

15% Faster Growth—On tests with 90,000 birds, those treated with Ren-O-Sal gained weight 15% faster. Experiments by Drs. H. R. Bird and R. G. Lille, of the U. S. Dept. of Agriculture, show that the above arsonic acid derivative produces extra gain even when vitamin B₁₂ and aureomycin are in the feed.

Earlier Egg Production—Ren-O-Sal treated birds mature quicker...start laying up to 15 days earlier—without forcing. Available in tablet form for drinking water or powder form for feed. Buy Ren-O-Sal at your local hatchery, drug or feed store today.

When you need poultry medicines, ask for

DR. SALSBUARY'S LABORATORIES
Charles City, Iowa

Dr.

SALSBUARY'S

Helps Make Listless Or Convalescent

HENS profitable



DR. SALSBUARY'S
Avi-Tab
Stomachic Appetizer

Supplies daily minimum requirement, or more, of copper, cobalt, iodine, iron, manganese, zinc; all necessary for proper feed utilization, growth. Gives convalescent or listless birds new life. Helps normal birds do better. Easily used in feed. Buy today. Dr. Salsbury's Laboratories, Charles City, Ia.

Buy from KANSAS FARMER Advertisers
For Practical Farming and Pleasant Living

THE TOOL OF 100 USES



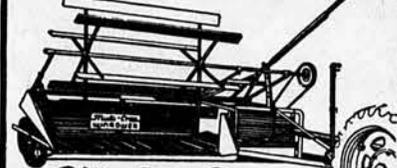
MULTI-VISE

A Portable Bench, Truck and Pipe Vise, and C-Clamp being used on over 15,000 farms today! Can be used for dozens of labor saving jobs . . . for repairing machinery . . . as a well jack . . . as a milling jig . . . for pushing pins and bushings . . . as a giant pipe wrench . . . for positioning pieces for welding. Indestructible all steel construction. Weight, 33 lbs. Has 12" SPEED HANDLE. 6" capacity reversible and replaceable jaws. Can be swivelled a full 360 degrees vertically or completely removed from bench plate for field use. Carry in your tool box. UNCONDITIONALLY GUARANTEED. Only \$29.95. See your dealer or write direct.

American Implements, Inc.
2523 Taylor St., Omaha, Nebr.

STOP CROP LOSSES!

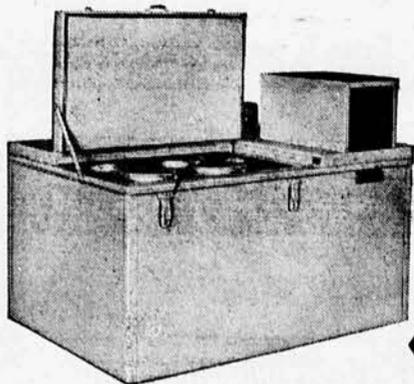
SAVES TIME - SAVES LABOR



Multi-Crop WINROWER

Winrows grain and hay crops in one operation. Does two machines' work in half the time. Left or right, 8' or 10' cut. Light draft. Built-in transport. Built to last.

WRITE FOR FREE FOLDER TODAY!
WIN-POWER
NEWTON, IOWA



**FAST
"NECK-HIGH" COOLING
WITH SANITARY
DROP-IN UNITS**

Model DC6-130 (6 can capacity)
Also in sizes for 2, 3, 4, 8, 10 cans

WILSON *Drop-in Unit* MILK COOLER



**Sturdy,
Easy-to-
Service
DROP-IN
UNITS**

- 1 Drop-In Refrigeration Unit—hermetically sealed
- 2 Drop-In Circulation Pump—separate, non-freezing

Here's the newest Wilson Milk Cooler . . . rugged . . . practical . . . sanitary in every detail. Economical, too. See it at your nearest Wilson Dealer's. Or write to us for full information.

WILSON "DROP-IN" FEATURES

- Cools Milk Fast
- Builds Large Reserve Ice Bank
- Cools Twice Full Capacity Daily
- Meets All Sanitary Regulations
- Five-Year Service Warranty
- Five-Year Replacement Warranty

NOTE: If your dealer can't supply you immediately, place your order for "soon" delivery under his quota.

Paul Groom • Factory Representative • Ankeny, Iowa

WILSON REFRIGERATION, Inc., Smyrna, Delaware
HOME FREEZERS • FARM MILK COOLERS
COMMERCIAL REFRIGERATION

POST HOLE DIGGER
The modern "Rapidigger" for Ford, Ferguson tractors. No gears, drive-shaft. Revolutionary invention. Guaranteed Performer. Write for information.
RAPIDIGGER, 2218 Dudley, Lincoln, Nebr.

HEAVY-DUTY CANVAS
FOR COMBINES, BINDERS, WINDOWERS, HEADERS
Non-stretch, water and rot-proof, this All Weather Canvas will outlast them all. Highest quality canvas, slots, belting. Send for FREE catalog and prices.
RICHARDSON MFG. CO.
Box 105, Cawker City, Kansas

Cut Your Combining Time WITH HESSTON COMBINE ATTACHMENTS



HESSTON V-BARS

You can cut more acres per day and save more grain per acre by replacing your straight or spike tooth rasps with Hesston V-Bars. They are non-slugging, give easier separation, smoother operation, even feeding, less straw chopping, plus savings in fuel.

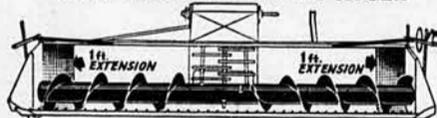
RECEDING FINGER PLATFORM AUGER



Stops Your Platform Feeding Troubles

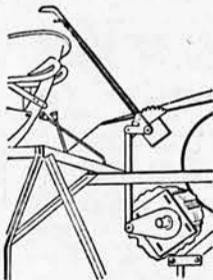
For IHC, Massey-Harris, Case and Oliver SP Combines. This field-proven attachment prevents bunching of grain, and slugging of cylinder. Even feeding enables you to increase combine speed without losing valuable grain. Silent operating fingers. Complete auger assembly is mounted on roller and ball bearings. Easily installed.

14-FOOT PLATFORM EXTENSIONS WITH RECEDING FINGER AUGER



Enables you to cut more acres per day with less effort. A field-proved attachment that will modernize your combine. Easily installed. Fits IHC 123 SP, 125 SP, 125 SPV and Case SP combines.

QUICK CYLINDER ADJUSTMENT

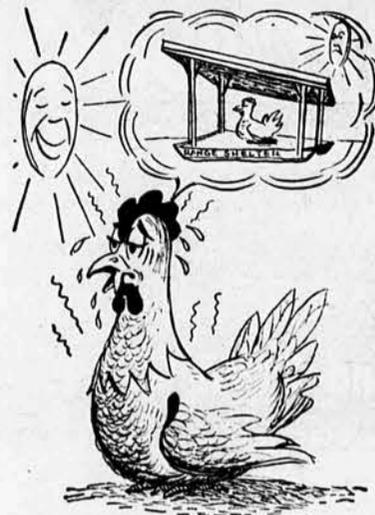


Save grain — save time — instant cylinder adjustments accurately controlled from operator's seat. Fits all IHC SP and 122 combines. Model also available for John Deere 12-A.

PULLETS AREN'T LIKE WEEDS

They Won't Just Grow

By TOM AVERY
Department of Poultry Husbandry
Kansas State College



"Boy, howdy, what I wouldn't give right now for a hammer, nails and some wood!"

THERE is no season of year when it is quite so easy to neglect farm poultry as during late spring and summer. Folks are busy with field crops, and because most chickens are able to survive the summer without too heavy death loss, it then becomes fairly easy to let them more or less rustle for themselves. Good pullets, unlike weeds, won't just grow.

The growing period is the most important in a bird's life, yet the most neglected. Pullets don't need a lot of special care during the growing period, but there are a few essentials that are of prime importance.

Pullets should be separated from cockerels as soon as they are old enough to distinguish the sex. Dispose of all surplus cockerels and cull pullets as soon as possible. A good ration is one of the most important requirements. There are many systems of feeding. None will fit all occasions but most, if properly handled, will give good results. Important thing is to see that feed is of high quality and contains plenty of protein. Most protein is supplied by the mash. However, birds on range that have access to an abundance of young, tender green feed will be able to get a great deal of protein from that source.

If you are buying feed it is always advisable to follow recommendations of the manufacturer. Be sure you understand how the feed is meant to be fed. A good green range can cut feed costs and makes excellent food for growing chickens. Only criticism to depending too much on green feed is there may be good range early in summer but by midsummer the green feed has become thin or dried up entirely. Feeding systems must be adjusted to fit the change. The best layers are those that have made steady growth from the day they were hatched. Stunted birds never seem to lay quite so well and often have a tendency to lay small eggs.

The average growing chicken is about 65 per cent water. No bird will grow well or eat properly unless it has an abundance of fresh, clean water. Automatic waterers not only save labor but

more nearly supply water all the time. All waterers should either be moved frequently or be set up on wire platforms. Growing birds are seldom infested with lice, that is, unless they have been reared close to adult birds, but mites do frequently give trouble. Mites may be carried by sparrows or other birds that fly from the laying house to the range. Because of their habits, mites may be doing considerable damage before they are detected. Mites stay on the roosts during the day, hiding in cracks or under dried pieces of droppings. They crawl onto birds at night and suck blood. Mites are most easily destroyed by painting the roosts with carbolineum or its equivalent.

It is disheartening to have pullets coming along well, then due to some accident lose some of them. Birds must have protection. Predators may take heavy toll of birds left to shift for themselves after dark. After birds have been on range a few weeks they are able to withstand most storms with very little protection, but do need protection from coyotes, dogs, skunks, weasles, owls, hawks. Protection from the sun is essential for birds on range. Most poultrymen prefer not to have their pullets loaf in the range house during the day. This can best be prevented by putting some feeders and waterers in the shade. Birds just won't go out in the sun during the heat of the day to eat or drink. If feed and water are in the shade they will eat more and consequently grow better.

Many poultry diseases and parasites are harbored in damp places. Never allow water to stand, or let a particular spot remain damp for an extended time. Birds are attracted to damp spots, but it is not best for them if disease is to be kept at a minimum.

Keep the range free from tall weeds or from shrubs or trees growing so dense one cannot find dead birds. One dead bird left unnoticed a few days may cause a lot of trouble.

Let Sorghums Pinch-hit On Abandoned Wheat

SORGHUM production is being emphasized this year. Feed grains are in increased demand nationally as well as in Kansas. For information to press and radio, special meetings were set up at Garden City and Hays early this month with specialists in the field of grain sorghums. The meetings were called by the Kansas Agricultural Mobilization committee.

Approximately 3 1/4 million acres of wheat will be abandoned this year in Kansas. About 3 million of those acres are in the western 31 counties where feed and forage sorghums have assumed increasing responsibility in recent years. Kansas had about 2 1/2 million acres of sorghum last year for feed and forage. This year the figure may run 4 to 5 million acres because of wheat abandonment.

The following general recommendations were made at the press-radio meeting:

Seedbed preparation: Take thin wheat out immediately. Cultivate at least 2 times to kill weeds. Cultivate shallow for firm seedbed.

Time of Planting: Seedbed must be warm. Tendency is to plant too much seed too early. Plant hard-seeded sorghums first. General dates: Garden City

June 1 to 15; Hays May 25 to June 10; Colby June 1 to June 10.

Method of Planting: Listed rows, grain drill with some holes stopped. Make shallow furrows. Make rows far enough apart to permit cultivation. Much will be drilled without intent to cultivate. About spraying to control weeds: Use only in case of emergency. Where weeds not a factor spraying will reduce yields. Cover seed with 1/2-inch firm soil Garden City and Hays; about 1 1/2 inches at Colby.

Rate of Planting: Hays—Stalks 6 to 8 inches apart in row for grain which requires from 3 to 4 pounds of seed an acre. For forage 4 to 6 inches apart. Garden City—2 to 4 pounds an acre dryland; about 6 to 8 pounds under irrigation. Colby—Stalks about 12 inches apart in row for grain and about 8 to 12 inches apart for forage.

Varieties: Check with your county agent or at nearest Experiment Station branch. Garden City—for grain, Westland, Midland recommended. Martin will be used. For forage, Axtell, Early sumac, Leoti red. Hays—Midland, Westland. Martin not recommended but no harm in planting. For forage, Early sumac, Ellis, Norkan.

(Continued on Page 23)

MAIL TODAY

HESSTON MFG. CO., 220 Kings Street, Hesston, Kansas
Send information on the following equipment (check which): Receding Finger Platform Auger V-Bars for Combine Cylinder 14' Platform Extensions Combine Unloading Auger Cylinder Adjustment Balanced Grain Tank
NAME (Please Print) _____
TOWN _____ STATE _____
I OWN A _____ MAKE COMBINE _____



Now!

**New, Exclusive
Kansas Farm Life
SPECIAL DEPOSIT
and SAVINGS PLAN**

**Fits Your Needs
and Your Income at All Times**

Get these extra advantages at no extra cost . . .

- Planned for farm families
- Easily changed to meet special requirements
- Size and number of payments according to your choice
- Deposits earn interest . . . are always available for withdrawal
- Can increase death benefits
- Gives you life insurance protection
- Pays your premium for you when your income is low
- Enables you to change insurance plans whenever you wish

Listen to the
Kansas Farm Life Show
on WIBW
7:30 AM—Monday thru Friday

For Full Information,
See Your Kansas Farm Life Agent,
or Write Today.

**The KANSAS FARM LIFE
INSURANCE COMPANY, Inc.**
MANHATTAN, KANSAS
A Service of the Kansas Farm Bureau



NATIONAL Vitrified SILOS
Everlasting TILE
Cheap to install. Trouble Free. Also
Tile Stave Silos. Outside Reinforcing.
NO Blowing in Buy Now
Blowing Down Erect Early
Freezing Immediate Shipment
Rowell Roller Bearing Ensilage Cutters.
Write for prices. Special discounts now
Good territory open for live agents.
NATIONAL TILE SILO COMPANY
830 Livestock Exchange Building
STATE SIZE WANTED KANSAS CITY 15, MO.

New 3 in 1 Tread
**MARTIN
MODERN METHOD
WIDE FACE
BOMBER TIRES**
1 MAXIMUM FLOATATION
2 EXCELLENT TRACTION
3 VIBRATION FREE
ROADABILITY
Ready to Bolt on



Recapping Service
Now Available
**FOR COMBINES,
HARVESTERS, ETC.**

MARTIN MODERN METHOD Wide Face
Bomber Tires . . . manufactured to rigid Gov't
specifications . . . strongest tires made . . .
extra ply to withstand terrific shocks . . .
load capacity 2 to 3 times ordinary tires . . .
are standard for Combines, Tractors, Trucks,
Wagons, Trailers, Farm Implements, etc.
Write Today For Name of Nearest Dealers

MARTIN TIRE & SUPPLY CO.
154 N EMPORIA • WICHITA, KANS.

Leoti red, Colby—for grain, Colby
milo, dwarf Sooner varieties, Coes.
Some Norgrum will be planted but
has small stalk, breaks easily. For
forage, Early sumac, Leoti red, Nor-
kan. Coes will make light tonnage.

Seed Supply: Certified seed supply
in most sources gone several weeks
ago. Experts not too worried about
seed supplies. More coming out of
private storage each day. County
agents will have available seed supply
lists showing where seed can be pur-
chased.

Treating seed has increased germination
in soil up to 15 per cent. Test
seed to be sure of germination value. If
germination is below 80 per cent seed-
ing rates may have to be stepped up.

Moisture conditions generally are
good on land summer-fallowed last
year. This soil mostly is in ideal
condition for sorghums. It would be dan-
gerous to summer-fallow it again this
year.

Silo construction has increased en-
couragingly in Western Kansas. With
large amounts of forage produced this
year farmers have an opportunity to
ensile many tons of feed which can be
used 10 years hence if necessary, pro-
vided it is ensiled properly. One acre of
ensiled feed is about equal to 2 acres
of bundle feed the first year. After that
bundle feed deteriorates rapidly.

**State Farmer
Degree to 130**

THE STATE FARMER degree, the
highest honor in Future Farmer of
America organization work at the
state level, has been awarded 130 Kan-
sas FFA members. Final action on
candidates for the honor was taken
April 30 in connection with the 28th
annual program of the Kansas FFA
Association, meeting on the Kansas
State College campus. The 1951 class
of State Farmers is the largest in his-
tory of the association. Only 2 per cent
of members are honored.

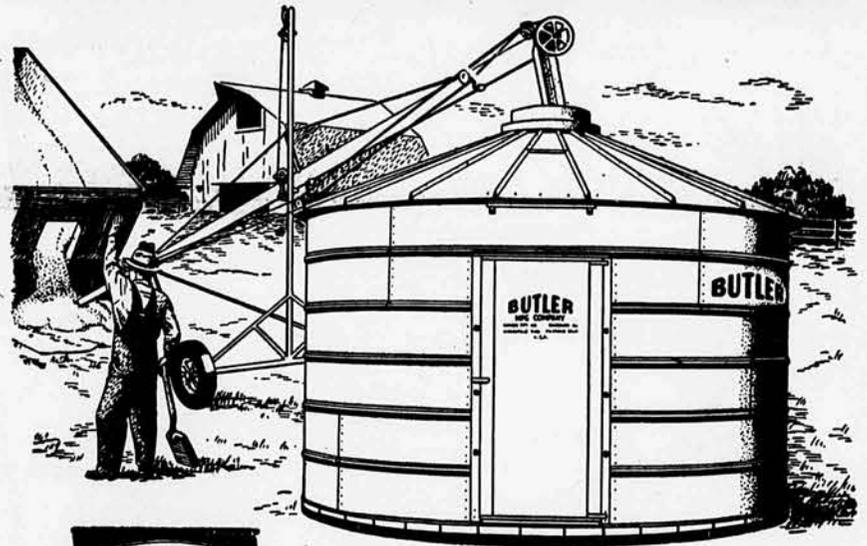
Those honored for 1951 include:
Harvey Lee Schmanke, Ray Simon, Charles
B. Wenderott, Alma; Duane Miksch, Alta-
mont; Ray Kurtz, Emery Poore, Gordon D.
Williams, Alton; Elmo Crain, Arkansas City;
Charles G. Greene, Ivan P. Salyer, Ashland;
Richard Childs, Larry E. Walter, Belleville;
George Betz, Harold Guard, Jr., Gilbert Har-
low, Bob Snyder, Beloit; Harold Heyman,
James Gehring, Burns; Richard Reinhardt,
Howard Stitt, Chanute; Harvey Benson,
Clay Center; Larry Henry, Colby; Bill De-
yoe, Charles Deyoe, Wayne Kindsvater,
Coldwater; Wesley Boll, Jerome K. John-
son, Concordia; Ralph Braun, Council Grove;
Bob Ellerman, Dean Kvicala, Patrick Lee,
Max Wilbur Stutz, Effingham; Edward
Chase, Clifton Patty, Bill Saimans, Kenneth
W. Schmidt, El Dorado; Keith Bailey, Fred
Pepplatt, Ellsworth; Jim Bock, Kenneth
Horton, Emporia; Clifford R. Klein, Robert
W. Kleopfer, Fairview; John Richard Mix,
Fort Scott; Roy Lee Thomas, Fredonia;
Richard B. Drussel, Earle Hafich, Don
Huelskamp, Garden City; Dale L. Fooshee,
Garnett; Leroy Weathers, Great Bend.

Jim Parsons, Harper; Richard Riffin,
Harveyville; Don Ross Huston, Art Kranz,
Lyle Dean Newby, Darrel Valdois, Haven;
Steve Hennessey, Highland Park, Topeka;
Willis Brandyberry, Hill City; Kenneth
Swartley, Holcomb; Robert Askren, Marvin
Decker, Ivan Meyer, Marvin Stous, Holton;
Virgil Glen Wells, Howard; Dwayne E.
Simon, Eldon E. Stout, Marvin Taylor,
Hoxie; F. L. Young, Jr., Kingman; James
Circle, Kiowa; Alvin Fishburn, Lawrence;
Gary P. Myers, Loyd Dell Hayes, Garth H.
Renken, Lebanon; Paul Hubenett, Jack
Richardson, Little River; Bert Burkdoll,
Rex Featherston, Lyndon; Duane Wiley,
Mankato; James Mustard, McCune; Jack
B. Vanderveer, Medicine Lodge; Milton Dale
Grosshart, Fred Irwig, Wayne Thies,
Shawnee Mission; Dennis Lyne, George F.
Shroyer, Miltonvale; Leo Baker, Joseph De-
Vere Pieschl, Minneapolis; Wayne Elliott,
Morrowville; Donald R. Unruh, Mound-
ridge; Eldon Peterson, Mulvane; Mike Cor-
nett, Neodesha; Vere English, Johnny H.
Stahl, Newton; Charles M. Brink, Olathe;
Howard E. Hall, Osage City; James A. Hlad,
Jr., Osborne.

Bob Dunn, George Miller, Ottawa; Don
Hylton, Overbrook; Harold Barnett, Leon-
ard Leroy Slyter, Paola; Bobby McMillan,
Parsons; Iman D. Dusin, Phillipsburg; Don-
nie Lowe, Powhattan; Darrel Miller, Pratt;
James Drolte, Pretty Prairie; David Bren-
ner, Jim Brooks, Randolph; Lyle Lancaster,
Sabetha; Robert L. Chance, John Arthur
Holt, Seaman Rural High School, Topeka;
George A. Daniels, Bob Overmiller, Jack
Wood, Smith Center; Boyd Allen, Forrest
Holliday, Soldier; Don Slade, Stafford; Mar-
vin Blair, Harold Lee Cooper, Darrel Gar-
trell, Elton Hunter, Stockton; Charles Stan-
ley Sackett, Tonganoxie; Francis L. Reich-
art, Valley Falls; Jim W. Perry, Washburn
Rural High School, Topeka; Stanford F.
Stamm, Washington; Norman D. Kastner,
Westmoreland; Gerald Schweitzer, Clifford
Stansbury, George E. Steward, Williams-
burg; Marvin Cranston, Don Spengler, Win-
field.

Here's Why

**Thousands of Farmers
Are Glad They Invested
in Butler Quality**



**FARM
EQUIPMENT**

Butler Grain Bins are known for
their rugged long-life features . . . greater structural
strength to withstand loads and pressures, wind and
weather year after year with little or no maintenance or
repairs. For example, there are Butler Grain Bins that
have been in use for more than 40 years.

Farmers know that all Butler Farm Equipment is
"Built Stronger To Last Longer." And today . . . when
longer life for farm equipment is so important . . . more
farmers than ever want products of the Butler Blue
Ribbon Line.

Just ask the farmer who owns Butler Farm Equip-
ment . . . he'll say, "I'm glad I invested in Butler Quality."

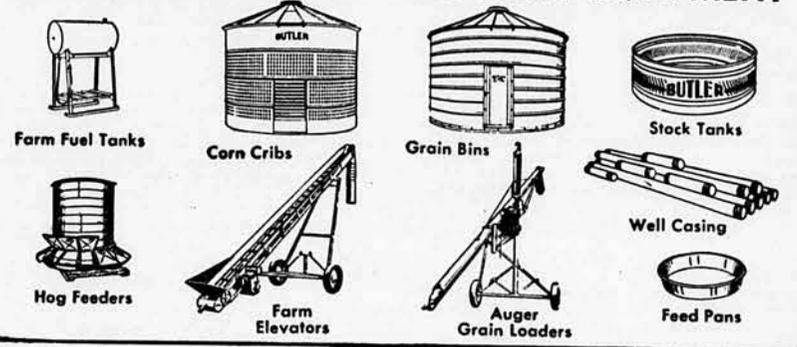
For information see your nearest farm
equipment dealer or write:

BUTLER MANUFACTURING COMPANY
7409 E. 13th St., Kansas City 3E, Mo.

**BUTLER MANUFACTURING
COMPANY**

Kansas City, Mo.
Galesburg, Ill. Richmond, Calif.
Birmingham, Ala. Minneapolis, Minn.

BUTLER BLUE RIBBON LINE FARM EQUIPMENT



Your Best Buy Today Is U. S. Savings Bonds

**NON-FREEZING
GROUND HYDRANT**
AT NEW
LOW COST

Now, a year 'round water supply
for stock tanks — inexpensively!
This hydrant won't freeze! Handle
controls valve BELOW frost line.
Deluxe "7-Speed" hydrant also
available.

AND NON-FREEZING WALL FAUCET
... for your home.
See your dealer or write.

The James Knights Co. SANDWICH ILLINOIS

SAVE
VALUABLE FEED

Preserve Natural
Juices in a
**KOROK
SILO**

★★★★★
FIVE materials
of permanence
make a Korok
Silo tops for
crops. There's no
better way to
preserve corn,
small grains —
even grass silage.
For the complete
story, send for
FREE Korok Silo
booklet.

INDEPENDENT SILO COMPANY
777 VANDALIA ST., ST. PAUL 4, MINNESOTA

DEMPSTER WATER SYSTEM

SMALL AND COMPACT, this Dempster Shallow-Well Ejector needs no priming. It incorporates the many advantages of ejection operation into a little pump with a big capacity.

FULLY GUARANTEED, like all Dempsters, this Deep-Well Ejector has just one moving part. It's excellent for pumping water more than 25 feet vertical distance.

REDUCE POWER LOSSES with the Dempster Shallow-Well Reciprocating Pump. It's designed to cut power cost and deliver large quantities of water inexpensively from nearby wells or cisterns.

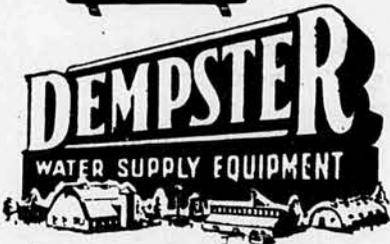
INCREASES FARM PRODUCTION—Plenty of fresh, clean water at the turn of a tap puts profitable weight on cattle, fat on hogs, and grade "A" eggs in the nests. You need water by the gallons, not by the buckets, to get farm production in high gear. The small cost of System is more than offset by the extra money it earns in extra production.

SAVES VALUABLE WORK TIME—The hours you spend carrying water should be spent doing other farm work. The pump-and-carry method is a hard, time-wasting chore that keeps you away from dozens of real money-making jobs. And remember, a Dempster Water System not only saves you time and helps you earn more money, but it brings you living right to the farm—so that life is easier and more convenient. Act now! Ask your dealer for a free estimate on the cost of installing a Dempster Water System.

LOW OPERATING COST makes this positive-lubricated Dempster Reciprocating Deep-Well Pump the thrifty member of the Dempster line.

Ask Your Dempster Dealer For A FREE Cost Estimate!

DEMPSTER MILL MFG. CO.
Beatrice, Nebraska



WHEN COCCIDIOSIS STRIKES GIVE YOUR CHICKS THE HELP OF

Acidox

Easy to give in the drink! No messy mixing with mash. Both a prevention and a treatment.

• Controls Bloody COCCIDIOSIS Acts as Tonic. Powerful! Low Cost!
12 oz., \$1.00; 1 qt., \$2.00.

At Your Lee Dealers!—Drug, Hatchery, Feed, Seed Store
Lee's POULTRY MEDICINES GEO. H. LEE CO. Omaha 8, Nebr.



Reliable Advertisers Only are accepted in Kansas Farmer.

LOW COST IRRIGATION HOSE

CANVAS HOSE IS ECONOMICAL

This pump irrigation hose saves water and labor costs because it's easily handled and eliminates ditches. Takes water over/around obstacles. Lasts years. Canvas dams too. Write for illustrated folder.
LINCOLN TENT & AWNING CO.
1620 O St. Lincoln, Nebr.

Sensational Close-Out Sale of Tractor WEED SPRAYERS!

SAVE 50%!

First Come! First Served! Factory close-out on units made by a leading manufacturer, high-quality throughout. We purchased the entire stock from factory, and offer is limited.

"BURDEN SPECIAL" TRACTOR WEED SPRAYER—Rugged construction for real service on general purpose spraying. All-brass 14 ft. 4-row boom. Famous "T" Jets. Universal mounting brackets. Direct drive all bronze gear pumps up to 100 p.s.i., up to 12 g.p.m. Watts relief valve—adjustable 25 to 75 lbs. Complete with fittings, (connections for garden hose couplings), 2 1/2" pressure gauge.
\$140 Value **\$84.50 PP**

WEEDMASTER MODEL A-50—Designed for "big sprayer" performance. Easy to mount on all tractors. 5 row (17 ft. coverage) or 7-row 23 ft. 150° nozzle angle. Spraying height adjustable, 18 to 54". Non-clogging. Sturdy mounting brackets—Universal, spring load, boom. Heavy, long life, galvanized inside and out. Gear pump all bronze case and gears. Stainless steel shaft. Direct drive. Fits standard 1 1/2" or 1 3/4" take off shaft. Up to 100 p.s.i.—up to 12 g.p.m. Complete except barrel. \$160 Value 5-row.....
\$106.50 PP
7-row.....
\$114.50 PP

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

BURDEN SALES CO. 877 "O" St. Lincoln, Nebr.

Save on HAND SPRAYERS

BURDEX ECONOMY KIT—GreSeN Bronze Gear Pump. Shorty hand boom. Heavy duty gauge, relief, shut-off, strainer mountings, less hose. Ideal for liquid, weed and insect sprays. Comparable outfits sell for \$75.
\$56.50 PP

BURDEX MASTER SPRAY KIT—Ideal for liquid or wettable powder spray. Will give years of service to fruit growers, nurseries, cattlemen. Features Ni-Resist which sells for \$54.50. Complete with long, all brass hand boom. Complete with fittings, gauge, relief, strainer, hose 10' 5/8" 40' 1/2" Hi-Pressure. 400 lbs. per sq. in.—delivers 15 gal. per minute. \$120.00 value.....
\$99.50 PP

Crown Apple Blossom Queen

By JAMES SENTER BRAZELTON

WILMA RUHNKE, senior in Bendena high school, was crowned Queen of the Apple Blossoms by Governor Edward Arn during a colorful ceremony at Troy on the evening of April 25. Miss Ruhnke is the daughter of Mr. and Mrs. Robert Ruhnke, and she was the Doniphan county entry in the St. Joseph apple blossom queen contest on May 3.

The affair was sponsored by the Troy Kiwanis Club and festivities began with the Governor's dinner at the Christian church at 6 o'clock. The 9 candidates for queen were guests and, following dinner, the governor made a short but impressive talk about the recent accomplishments of the state legislature.

Coronation ceremonies took place in the high-school auditorium before an estimated crowd of 500. Each school in the county participated in the program, and a mass band representing all high schools in the county played. Little Rebecca Ann Pinger, daughter of Mr. and Mrs. Raymond W. Pinger, was crown bearer.

As Governor Arn crowned the beautiful young queen he said, "I find a great deal of pleasure and satisfaction in being present on this occasion, and in placing the crown on the head of the Apple Blossom Queen, Wilma Ruhnke, who has been chosen to represent one of the state's most attractive features—blossomtime in the orchards of this section."

In his address following the ceremony the governor said he was always glad to come to Troy because it has behind it many of the finest traditions of the Sunflower state. He mentioned the fine homes and the pleasant countryside, and pointed out that this part of Kansas has earned an enviable reputation for its spirit of progressiveness.

"Here in the heart of America," he continued, "you find the real Americanism of neighborly kindness and helpfulness. It comes as near being the ideal life as can be found anywhere in the entire world. The governor expressed pride in the fine record of Kansas in the matter of progress, especially from the standpoint of education. He pointed out that our state ranks in the top bracket among all states in that respect. "Education is the only solid foundation of a true democracy," he said.



Wilma Ruhnke

Other notables to address the crowd following Governor Arn were Paul Shanahan, Kansas secretary of state, and Stanley I. Dale, mayor of St. Joseph.

When once a custom is established in a community it becomes something like a tradition and seems never to be broken, even tho the basis of fact for the tradition has long since disappeared. The idea of crowning an apple blossom queen in Doniphan county originated many years ago when apple orchards dotted the landscape in every direction. In those days the orchards in full bloom were truly an inspiring sight to behold, and the apple blossom tour was an event looked forward to by hundreds of people interested in the great industry.

Time has changed all this. Now comparatively few apple trees can be found here, much less acres and acres of picturesque orchards. But each spring the ancient festival is revived and even tho not an apple blossom is to be found the gala ceremony is repeated, reminiscent of a former glory when queens could be crowned and their pictures taken surrounded with real apple trees in full bloom.

Never a Dull Moment

(Continued from Page 1)

tied, and waffle weave. A new program, on rug cleaning and floor sanding, was planned for this year, and Mrs. Mauk reports women are showing considerable interest.

Another very popular activity during 1950 in Saline county was a sewing-machine clinic. Women were asked to bring their complete machines to the clinic. During the morning they were shown how to take the machines completely apart and how to clean them with kerosene. In the afternoon they learned how to put them back together and how to oil and adjust. Mrs. Mauk tested every machine to see that it was

operating properly before taken back home. Seventeen home demonstration agents in Kansas were trained during 1950 to conduct these sewing-machine clinics and 9 counties held such clinics.

"Fitting is a major problem in dress-making," says Mrs. Mauk, "so we held fitting schools during the year and these were very popular. If a home-made dress doesn't fit well it just isn't worth the time and effort required."

Since frozen foods now are so available Mrs. Mauk is planning a demonstration on use of pre-cooked frozen foods. "We're going to find out how

(Continued on Page 25)



TWENTY YEARS of home demonstration unit activities have been completed by these Saline county women. From left, front row: Mrs. E. W. Morris, Mrs. William Zerbo. Middle row: Mrs. Urban Wilson, Ida Tressin, Mrs. Leo Lambertson, Mrs. Matilda Smith, Mrs. Elizabeth Stein, Mrs. E. G. Fetterhoff, Mrs. William Odgers. Back row: Mrs. A. W. Sundgren, Mrs. H. A. Wessling, Mrs. Clarence Garrison, Mrs. Vernon Sloan, Mrs. Charles Everhart, Mrs. J. F. Komarek, Mrs. Fred Warnow, Mrs. W. Carl Johnson, Mrs. Sam Shoffner, Mrs. George Budke, Mrs. Will Streckfus, Mrs. J. L. Armstrong, and Mrs. Earl Brotton.

HYER
BOOTS for
★ Better Fit
★ Longer Wear

Hyer boots are made from A-grade leathers—the finest, softest, longest wearing leather obtainable—and hand lasted for perfect fit. On foot, you're walking on air... and in the saddle, you're wearing the best in the West! In stock designs or your own design, sizes to fit men and women. See HYER Boots at your dealer or write direct.



C. H. Hyer and Sons, Inc.
Makers of Fine Boots Since 1875
OLATHE, KANSAS

RELIABLE ADVERTISERS ONLY ARE ACCEPTED IN KANSAS FARMER

20,000 FARMERS SAY SAVE BIG MONEY WITH THE
Garretson System
OF LP-GAS TRACTOR CARBURETION

- NO CARBON
 - NO GUM
 - NO DILUTION
 - NO KNOCK
 - NO PING
 - LESS WEAR
 - SAVE OIL
- and



SAVE ON FUEL COSTS! CONVERT NOW!
WITH THE PROVED-IN-THE-FIELD
Garretson System

DARLINGAS CO.
BOX 71 PRATT, KANSAS
MAIL COUPON FOR COMPLETE DETAILS

DARLINGAS CO.,
BOX 71, PRATT, KANSAS.

PLEASE SEND ME DESCRIPTIVE LITERATURE AND NAME OF NEAREST GARRETSON DEALER.

NAME _____

ADDRESS _____

CITY _____ STATE _____

farm women can plan ahead on baking and other chores to best utilize their time in the kitchen," reports Mrs. Mauk.

Each unit in Saline county carries at least one community project. Some projects carried in 1950 included: sewing for hospitals, repairing and cleaning a famous landmark in the county, gifts for unfortunate families, sewing machine given to a displaced family from Europe, books donated to Carver Center, donations to St. Francis Boys Home, donation to old peoples home, helped community center in servicing needs of people, donations to many community and other drives, Christmas boxes sent by various units to families in England, Germany, France, Italy and Hungary.

Some individual units had very interesting and profitable projects. The Elm Creek unit purchased a school building and redecorated it as a community center. The Progressive unit assisted the Sunny Valley 4-H Club in providing funds for their work, and the Busy Bee unit assisted with community programs to raise money for the 4-H Club.

Bought Playground Equipment

The Spring Creek unit bought and installed playground equipment for Brookville park. This equipment included a sand box, 2 teeter-totters and 2 horseshoe courts. The women worked out the project but admit the men joined in to do the installation.

The Better Homes unit planted 6 red-bud trees and a number of Iris and other plants to help landscape the Schippel No. 3 school grounds. Women of this unit also painted and stenciled names on 14 rural mailboxes. Several county units had mailbox projects.

Seventeen Saline county women joined a group of 75 women from Northwest Kansas for a bus trip to New York and Washington. They attended a session of the United Nations in New York. A highlight of the trip was a visit to the USDA Experiment Station, at Beltsville, Md., where the women saw firsthand much of the home economics experimental work being done there.

Twenty-two out of 25 Saline county women who had completed 20 years of service in home demonstration unit work were present at a special luncheon in their honor. Guests were: Mrs. E. W. Morris, Mrs. William Zerbe, Mrs. Urban Wilson, Ida Tressin, Mrs. Leo Lambertson, Mrs. Matilda Smith, Mrs. Elizabeth Stein, Mrs. E. G. Fetterhoff, Mrs. William Odgers, Mrs. A. W. Sundgren, Mrs. H. A. Wessling, Mrs. Clarence Garrison, Mrs. Vernon Sloan, Mrs. Charles Everhart, Mrs. J. F. Komarek, Mrs. Fred Warnow, Mrs. W. Carl Johnson, Mrs. Sam Shoffner, Mrs. George Budke, Mrs. Will Streckfus, Mrs. J. L. Armstrong, and Mrs. Earl Brotton.

An annual county play day was held in May, when standard of excellence awards were made. Each fall, of course, there is an achievement day.

Eleven units in the county put up booths at the Saline county fair last year, each booth showing some phase of home demonstration work learned.

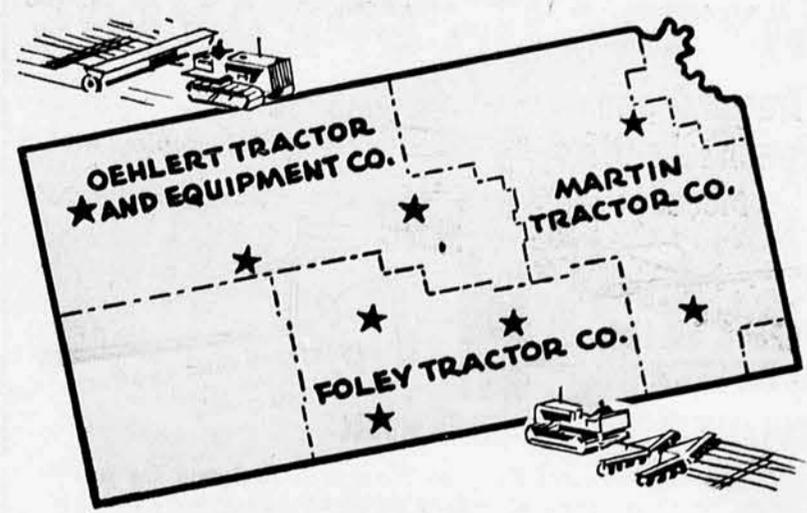
One outstanding social event of the year was the annual spring tea for all units in the county.

A Fine Women's Chorus

This spring a womens chorus of 33 voices was recruited from all units and rehearsed twice each month. The group then sang at the National Home Demonstration Week program, held the first week in May at Ellsworth. Saline county women invited choruses from Dickinson, Marion, Ottawa, Ellsworth, Lincoln and Osborne counties to join them in a massed chorus for the Ellsworth meeting. The program of the National Home Demonstration Week meeting at Ellsworth was based on the subject: "Living in Today's World."

Needle Magic

Just off the press is the feed bag sewing booklet, "Needle Magic With Cotton Bags," published by National Cotton Council. It has new ideas and patterns for spring and summer styles, rules for the beginner in sewing, suggestions for slip covers, bedspreads, and other articles. A free copy of the booklet will be sent upon request to Home Editor, Kansas Farmer, Topeka.



PROMPT
"CATERPILLAR" SERVICE
Anywhere
IN KANSAS

Whether you farm in Cheyenne County or Crawford, you're within easy range of one of our stores. Good service and parts when you need them . . . fast . . . are mighty valuable features of owning "Caterpillar" equipment in times like these.

Kansans who own "Caterpillar" Diesel Tractors are sitting pretty. They've the power and long-lived design backed by top-grade dealer service to take them through any emergency.

We hope that you folks who want to own "Caterpillar" Diesel Tractors will wait patiently for delivery. You'll be mighty glad you did.

Until then, keep your equipment in the best possible condition you can. Have us check it over for you. We'll do our level best to give you top-grade service that will keep your equipment operating at maximum capacity. Try to anticipate your power requirements for this season and for seasons to come. Talk them over with us. We're in business to serve you. Make our store your power headquarters.

CATERPILLAR HEADQUARTERS in KANSAS

FOLEY TRACTOR CO.
Wichita - Pratt - Great Bend

MARTIN TRACTOR CO., Inc.
Topeka - Chanute

OEHLERT TRACTOR & EQUIP. CO., Inc.
Salina - Hays - Colby

"It's Good Business to Know Your Caterpillar Dealer"

CONSERVES MOISTURE—LESSENS SOIL BLOWING



THE HUTCHINSON SOIL PACKER FILLS A BIG FARM NEED!

Experimental work at State Agricultural Colleges has proved that extra care in preparing the seed bed results in increased yields. The HUTCHINSON SOIL PACKER is engineered to do this job. Made in any width or combination. Single unit or three-unit combination. Manufactured in eight sizes . . . can be assembled in three sections to make lengths up to 22 feet. WRITE FOR LITERATURE AND NAME OF NEAREST DEALER

THE HUTCHINSON FOUNDRY & STEEL CO.
HUTCHINSON, KANSAS

MYERS G_p SPRAYERS

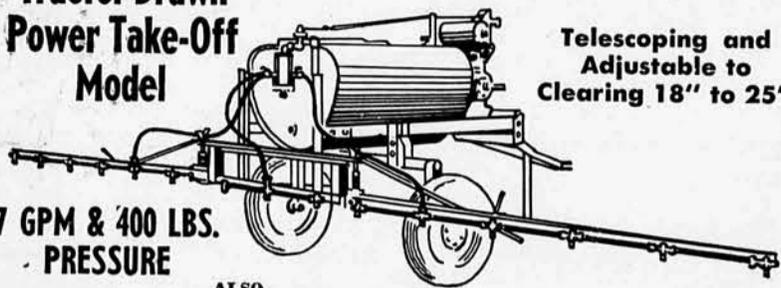
Tractor Drawn
Power Take-Off
Model

Telescoping and
Adjustable to
Clearing 18" to 25"

7 GPM & 400 LBS.
PRESSURE

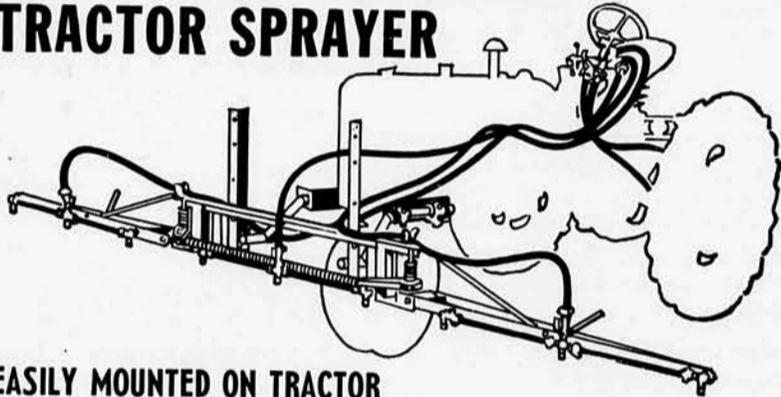
ALSO

AVAILABLE IN ENGINE POWERED MODEL



This Myers General Purpose Sprayer is designed for use with small tractors. Affording all of the many advantages of larger sprayers at a substantial savings in cost. Regularly equipped with 21' weed boom which can be easily and quickly replaced with gun and hose for gun spraying. It fills a long standing need for a lightweight, powerful sprayer capable of handling every spraying job within its capacity and pressure range. This sprayer is complete with built-in, automatic pressure regulator, suction strainer, sediment chamber built into the discharge line, remote control valve with rod and rotary agitator, power take-off shaft and safety shield.

MYERS FRONT MOUNTED TRACTOR SPRAYER



EASILY MOUNTED ON TRACTOR

Designed to meet all weed spraying requirements for pastures, grain fields, fence rows, corn fields, right-of-way spraying, etc. Furnished with all brass fittings which are easily adjusted to different nozzle spacings. These booms constructed with slip-clutch hinge to prevent breakage should fixed object be struck. Wings fold horizontally by control rope from tractor seat and wings return to operating position upon release of control ropes. Wings adjustable for vertical leveling to ground contour.

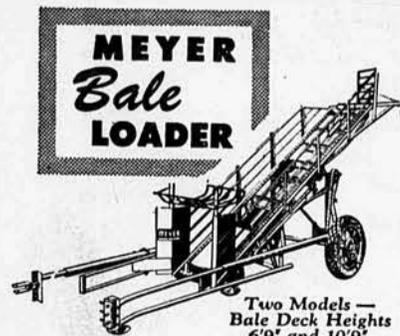
Control manifold located near tractor operator has pressure gauge, pressure adjusting valve, discharge strainer and individual shut-off valves for controlling discharge to boom wings and center section. Tuthill gear pump, outstanding for its performance under low pressures, allows ample space for mounting band at rear of tractor and eliminates possibility of weeds winding around drive shaft. This pump is self-priming and self-lubricating which is essential to economical weed spraying requirements.

A FEW CHOICE DEALERSHIPS STILL OPEN

See your nearest dealer or write

K.C. PUMP CO. 1308-22 W. 11th **K.C., MO.**
ESTABLISHED IN 1881

Your Best Buy Today Is United Savings Bonds



**MEYER
Bale
LOADER**

Two Models —
Bale Deck Heights
6'9" and 10'9"

Loads 75 bales in 15 minutes — picks them up just as dropped — straightens them automatically. Saves your back — saves your baler! No strain or breakage pulling skids or wagons!

Ground driven — light draft. Easily hitched to save time changing loads.

Free { write for folder
and dealer's name

THE MEYER MFG. CO., Box 651, Morton, Ill.

MAKERS OF FAMOUS MEYER ELEVATORS

Symbol of Quality
**Diamond
Top**
Tongue-Lock
CONCRETE STAVE
SILOS
QUALITY
... in production
... in erection
An Early Order
will Assure you
of a Silo.
McPHERSON
CONCRETE PRODUCTS CO.
McPherson, Kansas
904 W. Euclid St.

Marketing Viewpoint

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

What is your opinion of the hog market this summer and early fall?—M. D.

Hog market in early May has been in period of seasonal weakness. This seasonal weakness has been accentuated by unsettling of cattle market since announcement of cattle price rollback. Seasonal strength in hog prices is expected between now and July 1.

Hog prices in early May were below parity. Prices would need to advance more than a dollar before reaching parity level which is legal minimum for price ceilings on hogs. Terminal market prices above \$22 are expected from July to September, but price controls probably will prevent them from advancing much above that level. Seasonal weakness in prices can be expected after mid-September.

What is support price on wheat likely to be for 1951 crops?—J. C.

At present it is possible to give only an approximation of support. The rate will be set at 90 per cent of July 1 parity. At mid-April full (100 per cent) parity for wheat was \$2.40 a bushel. It is likely parity will increase slightly by July 1 so the announced national average support price is expected to be about \$2.18. In 1950 it was \$1.99.

An important change in 1951 support provisions is that farmers will be responsible for storage charges. Heretofore, CCC assumed storage charges. This will tend to make effective support price about 10 cents a bushel less than the price to be announced.

Will milk prices to producers be controlled this summer?—P. D.

Under present regulations, it is doubtful whether milk prices to producers will be placed under price ceiling during early summer. Price ceilings at farm level for milk do appear a distinct possibility this fall, however. Milk at wholesale was 97 per cent of parity while butterfat was 89 per cent of parity on April 15. Milk prices normally rise seasonably during fall and winter months, and it seems possible they could be at parity by late summer or early fall. Farm prices have to be at parity before ceiling prices can be imposed at present.

What is price outlook for eggs this fall?—C. E.

According to Bureau of Agricultural Economics, chick purchases early this spring for farm flock replacement were very light. Consequently, egg supplies from new pullets in early fall will be smaller than a year ago. Egg production also will be smaller earlier this fall than in the corresponding period of 1950 since there were 3 per cent fewer potential layers on farms January 1, 1951, than a year earlier. Cold-storage holdings of eggs in fall of 1951 are expected to be smaller than in comparable period of 1950. These factors and expectations of a continued strong demand have contributed to an improved egg price outlook for this fall.

It is reasoned at the Agriculture Department that "egg prices in early fall should be considerably higher than a year ago. Even if egg prices bump into ceiling levels before autumn, it seems probable that price controllers will permit a seasonal adjustment upward."

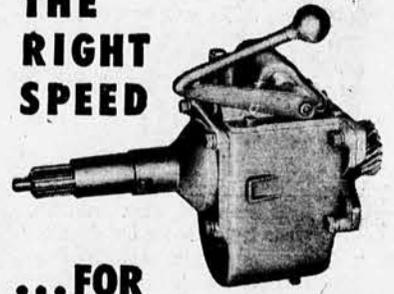
Nutracker Use

To open bottles of sirups, extracts, salad oil and catsup, I use an ordinary steel nutcracker.—Mrs. J. M.

How to Upholster

We have a supply of a new leaflet called, "How to Upholster It Yourself," by DuPont. It gives detailed instructions on steps in upholstering all types of chairs with new, easy-to-clean plastic. Instructions are clear and booklet is illustrated in great detail. For a copy of this leaflet, send 3 cents to Home Service Editor, Kansas Farmer, Topeka.

THE RIGHT SPEED



...FOR
EVERY IMPLEMENT!

Every implement you use with your tractor does its best work at a certain speed. 12 forward speeds are none too many if you will stop to analyze it.

With the new Sherman "Combination Transmission" in your tractor, you have these additional gear speeds: 4 Step-Up, 4 Step-Down, 2 Reverse (including a slower reverse), 2 PTO.

Added speeds increase the usefulness of your tractor. When the going is heavy, shift to "Step-Down" and rev your engine up to get the correct PTO speed and the right ground speed. This gives you up to 37% more power. In addition, the added intermediate gears allow you to work many more acres per day on most jobs at substantial per-acre savings in gasoline, oil and engine wear.

The "Combination Transmission" is available for Ford and Ferguson Tractors. Sherman also offers a choice of a "Step-Up Transmission" or a "Step-Down Transmission" for Allis-Chalmers WC, RC and WF tractors. These transmissions provide a total of 8 forward and 2 reverse speeds to increase your tractor's efficiency and operating economy.

See your tractor dealer today—or write:

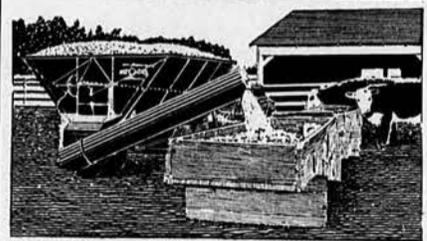
SHERMAN PRODUCTS, INC.
ROYAL OAK, MICHIGAN

SHERMAN
STEP-UP AND STEP-DOWN
COMBINATION
TRANSMISSION

SEND FOR YOUR FREE
60-PAGE CATALOG

Hundreds of items—combine, binder and header canvases, rasp bars, riddles, windrow and pick-up attachments, other improved supplies and equipment for the farm. SEND FOR COPY.
RICHARDSON MFG. CO.
Box 105 Cawker City, Kansas

Reliable Advertisers Only
Are Accepted
in Kansas Farmer



A Combination Wagon Box,
Unloader, Blower, Elevator,
Feed Mixer in 1 Machine!

GRAIN-O-VATOR

OR THE NEW AUT-O-BOX,

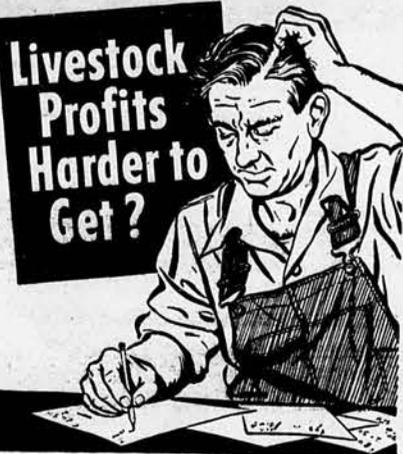
Put your load where you want it without the time taking, back breaking labor of scooping! A compact Automatic Wagon Box designed for years of service!

Write Today for Complete Details!

See Your Local Dealer or Write

M. V. "BUD" WELCH

STRONG CITY, KANSAS



... 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. 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 100-lb. bags.



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

Buy U. S. SAVINGS BONDS

SHORT OF HELP? . . .

A **Dump IT** HOIST

will do the work of



100 Times FASTER than Shoveling. Truck, equipped with Dump IT Hoist, can DUMP its load in 20 seconds!

4 DUMP IT Models
COLT — MUSTANG
PONY — STALLION

There's one to fit your truck
Clip Coupon — Mail at Once

ST. PAUL HYDRAULIC HOIST
2212 Univ. Ave. S. E., Minneapolis 14, Minn.

Without obligation, send me complete information on DUMP IT Hoist to fit my truck:

MAKE _____ MODEL _____

WHEELBASE _____ BODY LENGTH _____

My Name _____

Town _____

R.F.D. _____ State _____

The RED HOIST that has made history

Farming and Defense Needs

(Continued from Page 7)

"During the month of April, 1951, the average price for prime cattle at Chicago was approximately \$40.25 and the average hourly wage in all industry was \$1.56.

"The percentage increase in the price of prime cattle and in the hourly wage since 1948 has been almost exactly the same—15 per cent.

"In the case of the nation as a whole, our national income has increased from \$223.5 billion in 1948 to a level of \$263 billion in the first quarter of 1951. This represents an increase of 17 per cent, or in almost direct proportion to the increase in beef prices.

"In our present situation, it will be impossible to expand our farm production as rapidly as our increase in national income. We definitely cannot expand our farm production if we permit the OPS to rollback prices and destroy the confidence of the farmer as to the price he will receive."

Kansas Scales Get Thoro Test

Kansas has what is thought to be the most accurate and efficient testing equipment available for weights and scales. This statement was made by Paul Wempe, Seneca, chairman of the state weights and measures committee, at the first Kansas Weights and Measures Conference in Topeka, April 26 and 27. He announced a program which will carry weight-and-measure testing to every Kansas community. No fees are charged for servicing scales of any capacity or design. It is hoped all scales in the state will be tested at least every 2 years in the future.

Following enactment of a law of the 1947 state legislature, it was found 40 per cent of commercial scales in Kansas were faulty. Just in the last 3 years more than half of the defective scales have been brought to near perfection. Most scales were off weight thru no fault of the owners. The division of weights and measures of the Kansas State Board of Agriculture has tested all large-capacity vehicle and livestock scales in the state during the biennium.

Fred True, state sealer, announced the conference was called as a means of improving the work of the state division. Also to strive for workable solutions to major problems connected with providing more accurate scales and measures in Kansas business. Included on the program were speakers representing all phases of scale-and-measure work. Livestock men, grain dealers, scale repairmen, and W. A. Bussey, chief of the office of weights and measures, Washington, D. C., also were on the program.

Nitrogen Sprays For Better Wheat

Spraying urea nitrogen directly on wheat leaves boosts wheat yields. Kansas State College wheat scientists obtained yield increases of 6 to 12 bushels an acre, and protein content of the wheat was increased more than 4 per cent.

Karl F. Finney, professor of milling industry and USDA chemist, reports favorable results have been obtained the last 2 seasons. Further experiments are being continued this season. Nitrogen will be applied during the 3 weeks before flowering and during flowering.

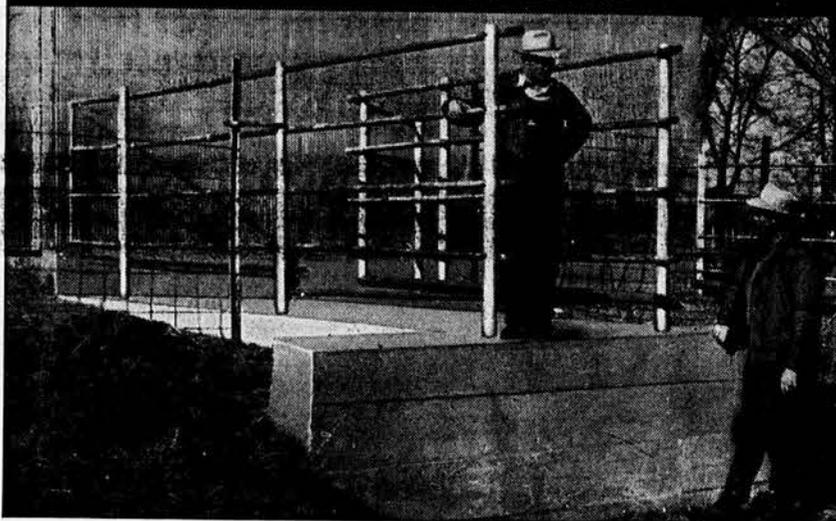
Mr. Finney states 10, 30 and 50 pounds of nitrogen an acre were sprayed on green wheat leaves from 1 to 15 times during the last 3 months of wheat plant development in previous experiments. Consistent increases in wheat yields came only when plants were sprayed before flowering. Best protein increases resulted when nitrogen was applied at time of flowering.

The Regional Hard Winter Wheat Laboratory is co-operating with the college's departments of agronomy and milling industry on the urea nitrogen tests.

National Jersey Meeting

The 83rd annual meeting of the American Jersey Cattle Club will be held June 6, at Columbus, Ohio. An open forum discussion on the subject, "Herd Improvement Thru Breeding Programs," is to be one of the main features of the 2-day meeting.

The "ounce of prevention" that **EARNs DOLLARS**



The yearly loss on livestock that's bruised, crippled or killed between farm and market amounts to around \$33,000,000. Most of this loss is caused by bruising, much of which occurs when loading at the farm. "A big percentage of the damage," says an officer of the National Livestock Loss Prevention Board, "can be eliminated by a good loading chute on every farm that ships stock."

A good loading chute is one that's well located, strongly built and safe—like the one shown here. Such a chute will stand up for years and can be paid for quickly by the higher prices that unbruised livestock will bring.

Your Lehigh Dealer can give you sound advice on all concrete construction work. See him next time you're in town.

3 men and a boy
in 2 days* can build the walls and floor for a loading chute like this with 32 bags of Lehigh Cement 3 1/2 cu. yds. of sand 4 cu. yds. of gravel using a concrete mixer.

*If your dealer can supply you with ready mixed concrete you can do the work with less labor.



LEHIGH PORTLAND CEMENT COMPANY

ALLENTOWN, PA. • CHICAGO, ILL. • SPOKANE, WASH.

Your Benevolences

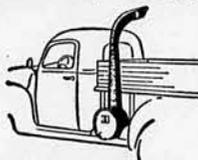
should include something for crippled children, and the Capper Foundation, Topeka, Kansas, will see that your contribution is used where it will do the most good in the treatment of handicapped boys and girls.

TRUCK GRAIN BLOWERS, AUGERS

Grain blowers and augers for both pickup and grain trucks. Also dust blowers and augers for Case balers.

VICTORY BLAST BLOWER CO.

M. O. GLESSNOR
707 W. Cloud St. Rd.
Salina, Kansas



Build Your Own "LOW COST" Crop or Livestock **SPRAY RIG**



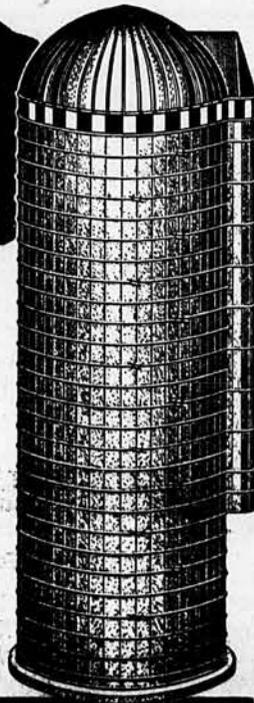
Why Pay \$300 to \$600 For A Spray Rig? Assemble your own, and save! Low-Cost Farnam TRAK-TOR Spray Kits provide wear-resistant NYRO (Nylon Roller) Pump. Operates from power take-off. Low or high pressure! Adjustable from 25 to 400 lbs. Kits include controls, gauges, hose and fittings for either crop or livestock rigs. Booms, nozzles, tanks also available. Farnam Equipment Co., Dept. 321, Omaha, Neb.



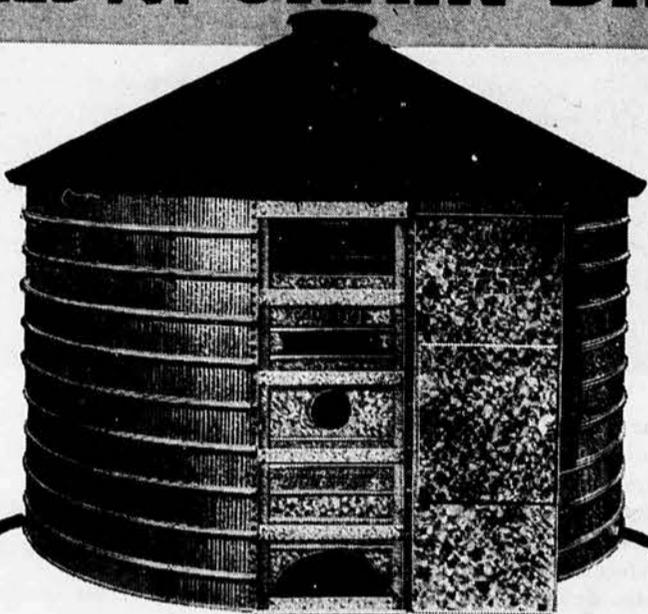
I'M READY FOR THAT VITALIZING SILAGE!

Yes, sir, Mr. Dairyman, when you feed your dairy herd on rich, vitalizing silage from a Dodson "Red and White Top" Silo, you're squeezing every last drop of profit out of your home-grown feeds. Just a line will bring you the answer to your milk and beef production problems . . . Write us today.

DODSON MFG. CO., INC.
WICHITA and CONCORDIA KANSAS



The NEW IMPROVED COLUMBIAN RED TOP GRAIN BIN



21 New and Improved Features

Columbian Red Top Grain Bins have been "First Choice of Grain Growers for half a century". They are stronger, tighter, better bins developed through more than 50 years of experience. 21 new and improved field-tested features overcome every problem of successful grain storage. Door closes on outside of door frame . . . side sheets sealed to door frame with moulded gaskets . . . composition washers furnished for every bolt . . . caulking compound for sealing bottom. No detail has been neglected to make Columbian Bins absolutely weather tight. Driving rain or melting snow cannot get in . . . fumigants cannot get out. Special door board with 8 1/2" inspection port and auger opening for power unloading one of many exclusive features.

Before you buy any kind of grain storage see this new Columbian Red Top Grain Bin built by the original designers of steel bins. More swedges for greater strength. Extra corrugations for rugged service. Every part galvanized. Easy to erect. Last 15 to 30 years.

FREE—Booklet which pictures and tells you all about the many new and improved features of Columbian Red Top Grain Bins. Write today for your copy.



Buy United States Savings Bonds

In Making Your Will

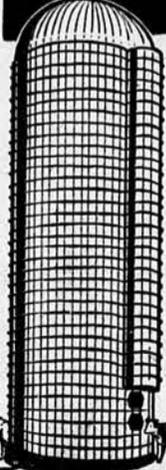
Why not make some provision for crippled children? Many friends of the Capper Foundation have done this. They leave certain property for their relatives, if they have any who should be provided for, then they say, "All the rest of my property I leave to the Capper Foundation for Crippled Children, Topeka, Kansas."



MAKE YOUR FARM PAY MORE with a . . .

SALINA SILO

.. Pays for itself every year!



Concrete stave construction means lifetime durability. All steel, air-tight, free-swinging doors give easy access.

Prevent waste on your farm . . . good silage helps keep cattle from getting off feed . . . get more profit from grasses and legumes. Let us show you how you can lower feeding costs and make your silo pay for itself.

Get all the facts today.

Free! WRITE For this FOLDER . . .

SALINA CONCRETE PRODUCTS COMPANY

1101 Park Street • Salina, Kansas

KOSCH FRONT MOUNTED MOWER

You've always wanted a Front Mounted Mower. Now it's here. With a Kosch, you see where you're going—see where you're mowing. Mount in a few minutes. Never before has mowing been so fast and easy. All points of wear are Standard IH parts, including bar, sickle and pitman. Thousands satisfied users. Learn why KOSCH MOWER is Best. Available for Farmall, John Deere, Allis Chalmers, Ford, Ford-Ferguson, Ferguson, and other make tractors. Get all the facts. Specify make and model of tractor. Write for FREE literature today.

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

KILL WEEDS

with **Miller's 2,4-D**

WEED KILLER

For handy mixing and spraying chart see your local dealer or write us.

Miller Chemical Co.

525 No. 15th St., Omaha, Nebr.

CHEMICALS FOR THE FARM

Earn Top Honors At FFA Meet

TEAMS from Southeast and North Central Kansas scored top honors in the 28th annual Future Farmers convention at Kansas State College, April 30-May 1. Cherryvale, coached by C. H. Young, won the judging division among 114 Kansas high schools competing. Clay Center topped 103 other teams in the farm mechanics division. Clay Center coach is Ray Morrison.

Harlow Altendorf, of Cherryvale, took high individual honors in agriculture judging and Phil Teaford, Norton, was high man in farm mechanics.

Members of the Cherryvale judging team are Altendorf, Jim Gill and Charles Allen. The Clay Center team included Max Mack and Jim Debenham.

Some 1,500 Kansas Future Farmers took part in the 2 days of judging and other activities.

Beloit FFA chapter, H. R. Bradley, adviser, won the KSC Agriculture Education Club plaque for highest total score in all events, covering 15 areas of competition in judging, farm mechanics and FFA activities.

Herb Lee, Bonner Springs, won the public-speaking contest. George McCune, Beloit, was second, and Wayne Thies, Shawnee Mission, third. Herb Lee will represent Kansas in the North Central regional contest next fall.

Name High Teams

The high 3 teams, their coaches, and the high individual in each of the judging contests were:

Crops—Newton, R. M. Karns; Cherryvale, C. H. Young; Frankfort, Harold Frank. High man, Charles Allen, Cherryvale.

Poultry—Chanute, Charles Carter; Cherryvale, C. H. Young; Stockton, Floyd Blauer. High man, Darrell Garrett, Stockton.

Dairy—El Dorado, W. R. McMillan; Cherryvale, C. H. Young; Chanute, C. O. Carter. High man, Richard Froberg, Marysville.

Animal Husbandry—Newton, R. M. Karns; Yates Center, Don Brock; Alma, Frank White. High man, Maurice Kurr, Newton.

High teams and high individuals in farm mechanics were:

Sharpening Tools—Smith Center, Charles Mantz; Hillsboro, W. D. Smith; LaCygne, Charles Ross. High man, James Morrow, Berryton.

Welding—Clay Center, Ray Morrison; Smith Center, Charles Mantz; Shawnee Mission, H. D. Garver. High man, Ronald Frahm, Colby.

Farm Power—Emporia, Emory Groves; Colby, R. B. King; Clay Center, Ray Morrison. High man, James Thomas, Emporia.

Soil Conservation—Norton, Boyd Boyer; Lakin, Dean Hoppas; Lebanon, Thomas Roberts. High man, Lawrence Wetter, Norton.

Concrete—Stafford, Elmer Schrag; Chanute, Charles Caster; Smith Center, Charles Mantz; High man, Billy Rown, Ford.

Farm Machinery—Colby, R. B. King; Smith Center, Charles Mantz; Chanute, Charles Carter. High man, John Stover, Colby.

Farm Carpentry—Beloit, Howard Bradley; Clay Center, Ray Morrison; Longford, F. Biery. High man, George McCune, Beloit.

The 3 high teams and coaches in farm mechanics were Clay Center, Ray Morrison; Norton, Boyd Boyer; Smith Center, Charles Mantz.

Chapters and coaches awarded gold emblem awards—Beloit, H. R. Bradley; Buehler, J. A. Johnson; Chanute, C. O. Carter; Clay Center, Ray Morrison; Colby, Ronald King; Coldwater, L. E. Melia; Effingham, Roy Eck; Haven, Glenn Schulthess; Hoxie, Willard Berry; Lawrence, W. R. Essick; Little River, Milton Kohrs; Shawnee Mission, H. D. Garver; Olathe, A. G. Jensen; Stockton, F. A. Blauer; Highland Park (Topeka), F. E. Carpenter; Winfield, Ira Plank and John Lowe.

Salt for Livestock

Both sodium and chlorine in salt, necessary for animal life, often are lacking in the usual farm rations, says R. B. Cathcart, Kansas State College animal husbandryman. Therefore, salt must be fed in addition. An exception is in the case of swine which are being fed an animal source of protein supplement, such as tankage, meat scraps or fish meal, in which salt is present.

EISENHOWER RIDGWAY AND YOU!!

Patriotic, young Americans are needed—now—to help the U. S. Army and Air Force win the peace. The peace that means the preservation of the American way of life!



England—Alaska—Germany—France—Hawaii and the Philippines are all outposts, that need to be staffed by alert, aggressive young men. The Army needs other specialists to back-up those at the front. Engineers—radio and radar—electricians—mechanics—drivers—communications and many other specialized jobs are waiting to be filled by you young men!



Those who are mechanically inclined will work with the finest and most modern mechanized equipment. Tanks, jeeps, half-tracks, motorized artillery and observation planes are only part of the great armada needed to keep the Army rolling.



Take advantage of the opportunities offered you by the greatest Army in the world—an Army that clothes you, houses you, serves the best food in the world, and provides free medical and dental care as you train and study for a future career either in, or out of, the Army.

JOIN THE ARMY NOW!

Recruiting Stations In Principal Cities and Towns

SILO



Your best investment is in a well built silo. Make it a Radcliff "White Top." Known throughout the Middle West for its dependability. Built of the well-known interlocking concrete stave. You can't beat it for service.

Insure your needs for '51. Write at once for details.

RADCLIFF SILO COMPANY, INC.
Box 83 North Topeka, Kan.

Make More Money PER ACRE...



FLEX-O-SEAL PRESSURE TIGHT PORTABLE IRRIGATION PIPE

You get more crops per acre . . . move produce to market earlier . . . and forecast yields more accurately if you use Flex-O-Seal Irrigation Pipe to assure enough moisture for fields, pasture and orchards when and where it is needed. Can be used on level or rolling land without Elbows or Tees. Lightweight—easy to assemble. Available in Aluminum or galvanized 3, 4, 6, and 8 inch diameters. Write for FREE folder "Rain, the Life Blood of Farming"

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

FLEX-O-SEAL

Classified Advertising Department

KANSAS FARMER Classified Advertising WORD RATE

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

Livestock Ads Not Sold on a Per-Word Basis

DISPLAY RATE		Column Cost Per Issue	
Column Inches	Cost Per Issue	Column Inches	Cost Per Issue
1/2	\$1.90	2	\$19.60
1	9.80	3	29.40
Minimum—1/2-inch.			

Cuts are permitted only in Poultry, Baby Chicks, Livestock and Pet Stock Ads. Write for special display requirements. Kansas Farmer, Topeka, Kan.

● BABY CHICKS

4X SPECIAL SALE

Thousands weekly FOB 100% alive. As available, order direct today. Top quality, 4X hand-picked, Hi-grade.

\$8.85 per 100 Up

Wh. Bar. Rocks, S. C. Reds, N. Hamp., B. Orp., Wh. Wyatts, J. Wh. Gts., Wh. Langs, Bk. Aust., Leg. Rocks, Hamp-Whits., Wtdt.-Hamp. Aust.-Whits., Wh. Min.

4x heavy cockerels, our \$8.85 per 100 up. PULLETS \$12.95 per 100 up

Give 1st, 2nd, 3rd choice breeds. Order C.O.D. direct during Special Sale. Save.

HI-GRADE 4X CHIX DEPT. KF DEEPWATER, MO.



FREE BIG COLOR PHOTO CHICK CATALOG

Save up to 5¢ each on day-old and 4 weeks started chicks. All main breeds and crosses. 300-egg blood. Hatches year around. Quick service. Colored catalog FREE. Write today. GREAT PLAINS HATCHERIES, Wichita, Kansas.

CHICKS U. S. APPROVED Pullorum Passed

White & Barred Rocks, New Hamp., Wyandottes, Austra-Whits., White Leg. Also Sexed & Started Chicks. R.O.P. Foundation Breeding. Order direct or write for Free Folder. F.O.B. The WHITE CHICKERY, Schell City, Missouri

Get Hy-Line Hybrid Chicks now. Kind you need for high egg production. May be hatched. Hy-Lines start heavy egg production in October. For years Hy-Lines have averaged 25% more eggs than standard-bred or crossbreds in farm tests. Farmers conducting this year's tests report: "An extra case of eggs per month per 100 Hy-Lines over other chickens." Send for report of these tests. Take advantage of high egg prices next fall with Hy-Lines. Get Hy-Line Chicks. Compare results. Learn for yourself. Seasonal reduced prices on Hy-Line Chicks now. Free catalog. Write today. J. O. Coombs & Son, Box 6, Sedgwick, Kan.

Surplus Chick Bargains! Choice AAAA and AAA White Rocks, White Wyandottes, New Hampshire, Barred Rocks, Reds, Anconas, Austra Whites, White Leghorns, \$7.95 per 100. Heavy pullets, \$13.95. Heavy cockerels, \$7.95. Broiler cockerels, \$2.25. Light pullets, \$17.95. Fast broilers, profitable layers. Up to 342-egg bloodlines. U. S. Approved, Pullorum Controlled. Also started chicks. Alive delivery. Order from ad, give second choice. \$1.00 deposit required. Fulton Hatchery, Box 6-E, Fulton, Mo.

Low Priced, High Quality AAA and AAAA Chicks. Fast broilers. Profitable layers. 100% pullorum tested. New Hampshire Reds, White Rocks, Barred Rocks, Wyandottes, Production Reds, Austra-Whites, Hamp-Whites, Leghorns, \$9.95 per 100. Heavy cockerels, \$7.95. Mixed cockerels, \$14.95. Hybrid cockerels, \$3.95. Mixed cockerels, \$1.95. Leftovers \$2.95. 100% alive. Free catalog. Pleasant View Hatchery, Gerald, Mo.

White, Barred Rocks, Hampshires, Reds, Wyandottes, \$8.95; pullets, \$12.95; cockerels, \$10.95. Big White, Brown Leghorns, \$8.95; pullets, \$14.95; Austra-Whites, Black Minorcas, \$9.95; pullets, \$15.95. Heavies, \$8.95; Mixed, \$7.95; Leftovers, \$5.95; Fryers, \$4.95. Barnyard special, \$3.95 up. FOB, 100% alive. Free catalog. Rush Hatchery, Clinton, Mo.

Bargains—AAA Barred, White Rocks, Reds, New Hampshire, \$8.90. Pullets \$12.90. Cockerels \$8.40. Large Egg-Bred Brown, White Leghorns, Austra White, \$5.90. Pullets \$15.90. Heavies \$6.95. Leftovers \$4.95. Eating Special \$2.90. Assorted Pullets \$1.90. Surplus \$2.50. FOB, Quality Hatchery, Clinton, Mo.

White, Barred Rocks, Hampshires, Wyandottes, \$8.90; pullets, \$12.95; cockerels, \$10.95. Big White, Brown Leghorns, \$8.95; pullets, \$14.95; Austra-Whites, Black Minorcas, \$9.95; pullets, \$15.95. Heavies, \$8.95; Mixed, \$5.95. Assorted, \$4.95. Odds-ends, \$3.95 up. FOB 100% alive. Helpful folder. Clinton Chick Store, Clinton, Mo.

Large White, Brown Leghorns, Minorcas, Austra-Whites, Rocks, Hampshires, \$8.95; pullets, \$13.95. Heavies, \$8.95. Mixed, \$7.95. Table special, \$4.95. Ducks Mixture, \$2.95 up. 100% alive. FOB. Catalog. Thompson Chicks, Springfield, Mo.

Big White Leghorns, Austra-Whites, White, Barred Rocks, Hampshires, \$7.95; Pullets, \$11.95; Heavies, \$6.95. Table Special, \$4.95; Mixed Surplus Assorted, \$2.95; Fryers, \$1.95 up. 100% FOB. Hi-Grade Chicks, Deepwater, Mo.

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

Superfine Chicks, eggs, White Giants, Black Giants, Buff Minorcas, Silverlaced Wyandottes, Anconas, Other breeds. Literature. Thomas Farms Hatchery, Pleasanton, Kan.

● JERSEY GIANTS

Superfine Chicks, eggs, since 1922. White Giants, Black Giants. Best for capons. Literature. The Thomas Farms, Pleasanton, Kan.

● TURKEYS



COLONIAL TURKEY POULTS

Championship bloodlines in national and dressed shows. Tube tested. Lower-cost gains. Earlier maturity, higher market quality. Superior breast fleshing. Broadest Bronze and Beltsville Whites. Spring Sale. Catalog Free.

COLONIAL TURKEY HATCHERY, Lamar, Colorado

● DUCKS AND GEESE

DeVries Mammoth White Pekin Ducklings hatched from our own two and three year old breeders. 12—\$4.20; 25—\$7.50; 50—\$14.00; 100—\$27.00; prepaid. Top quality. None finer. Order from ad or send for free catalog. DeVries Poultry Farm, Zealand, Mich.

Geese, Goslings, Goose eggs. Safe shipment anywhere. Bulletin magazine on breeding, hatching, rearing, marketing. Peyton Goose Farm, Route 2CK, Duluth, Minn.

● MINORCAS

Superfine Chicks, eggs, since 1925. Golden Buff Minorcas. Literature. The Thomas Farms, Pleasanton, Kan.

● WYANDOTTES

Best Quality Silverlaced or White Wyandottes—Chicks, eggs. Literature. The Thomas Farms, Pleasanton, Kan.

● POULTRY—MISCELLANEOUS

Peafowl, Swans, Pheasants, Guinea, Bantams, Duck, Geese, thirty varieties Pigeons. John Hass, Bettendorf, Ia.

Pheasant Eggs, Ringneck and Mutant. Also Ringneck cocks. Harold Gathin, Louisburg, Kan.

● PLANTS AND NURSERY STOCK

Strawberry Plants—Certified Bulkmore, Dunlap, Aroma, Klondike and Klomrom, 100—\$1.00; 500—\$4.50; 1,000—\$8.50. Giant Robinson and Premier, 100—\$1.25; 500—\$5.00; 1,000—\$9.50. Everbearing Strawberries—Large, thrifty plants, will bear this year, Mastodon Gem and Streamliner, 50—\$1.25; 100—\$2; Thornless Boysenberry, 25—\$2; 100—\$7.50; 2-yr. bearing size, 10—\$2; 25—\$4.00. 12 Large Rhubarb, \$1.25. Asparagus \$1. Special offer, 100 Dunlap and 50 Gem Everbearing, \$2. Everything postpaid. Other hardy mountain grown plants. Price list free. Ideal Fruit Farm, Stillwell, Okla.

Vegetable Plants—Large, stalky, well rooted, hand selected, roots mossed. Tomatoes—Earliana, John Baer, Marglobe, Bonny Best, Rutgers, Stone, 200—75c; 300—\$1.00; 500—\$1.25; 1,000—\$2.25. Cabbage—Wakefields, Dutch, Copenhagen, 200—75c; 300—\$1.00; 500—\$1.25; 1,000—\$2.00. Onions—Bermudas, Sweet Spanish, 500—\$1.00; 1,000—\$1.75; 2,000—\$3.00. Pepper—California Wonder, Chinese Giant, 100—60c; 200—\$1.00; 500—\$2.00; 1,000—\$3.50. All postpaid. Prompt shipment. Satisfaction guaranteed. Culver Plant Farms, Mt. Pleasant, Tex.

Strawberry Plants—Hardy northern grown, double inspected Dunlap, Beaver, Bulkmore 200—\$2.00; 500—\$4.50; 1,000—\$8.50. Premier, Giant Robinson, Bellmar 200—\$2.50; 500—\$5.75; 1,000—\$11.00. Giant Gem, Streamliner, Minnesota 116 everbearing 100—\$2.25; 500—\$10.00. Fresh plants, prompt shipment. Everything postpaid. Iowa Nursery, Farmington, Iowa.

Tomato Plants: Millions large, stalky, blooming size Marglobe, Rutgers, Break-O-Days, 500—\$1.50; \$2.00 per thousand. Roots mossed and wrapped, fresh delivery. Satisfaction guaranteed. Stokes Plant Co., Fitzgerald, Ga.

Certified Sweet Potato Plants: Bunch Porto Rico variety gives better quality and yields. No troublesome vines. Guaranteed strong, healthy plants. Postpaid, 200—\$1.75; 1,000—\$4.75. Leeland Farms, Leesburg, Ga.

Chinese Elm—World's fastest growing shade tree, 8 feet high, large calibers with bushy tops, 75c each by express collect. Ideal Fruit Farm, Stillwell, Oklahoma.

Sweet Potato Plants: Nancy Halls, Yellow Yams, Portoricans, Red Yams, \$1.15; 1,000—\$2.00. Wholesale Plant Co., Gleason, Tenn.

● FLOWERS AND BULBS

Iris—Grand color mixture, 10 Dwarfs no two alike, unlabeled \$1.00, or 10 Bearded (2 each of 20 varieties) unlabeled \$2.00 postpaid. Free flower catalog. Salina Flower Farms (successor to Fair Chance Farm), Box 539KF, Salina, Kan.

● SEEDS

Certified Martin Milo. Elmer Christensen, Minden, Nebr. Phone Norman 515.

● MACHINERY AND PARTS

V-Belt Drives for all IHC Self-Propelled combines: IHC 122, 22; Case 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. Write for free descriptive literature for your machine. Farrar Machine Shop, 111 Main, Norwich, Kan.

Sprayers—Over 100 demonstrators and used sprayers, both high and low pressure. These machines are guaranteed and priced at a big savings from \$75.00 to \$1,800.00. We have sprayers for every job. Evans Orchard Supply Company, 305 Delaware St., Kansas City, Mo.

WC Allis Chalmers Owners—Why hunt for gears? Easy Shift will make shifting gears easy. Attached in few minutes. Satisfaction guaranteed or money refunded. Now \$4.95 postpaid. Easy Shift Mfg. Co., Fairfield, Nebr.

Don't Be Ducked at the Elevator or lose your hay crop! Write the Hesse Company, 1213 Dace Street, Sioux City, Iowa, for testimonial letters acclaiming the success of Hesse Hay & Grain Dryer.

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

For Sale—Used M Farmalls, 28x46 McDeering thresher with belts; used 15x30 8-ply tires and wheels for M to trade. Chas. Snodgrass, Wamego, Kan.

Parts for Sargent Loader and Sargent Wheel Type Side Delivery Rake. Write for prices. Omaha Specialty Co., Box 854, Omaha 1, Nebr.

● AUTOMOTIVE

Tractor Tire Bargain. Two 14-24/6, three 14-30/6, three 15-28/6, one 14-32/6 brand new U. S. Royal tractor tires, \$3, choice \$35 each. Palace Garage, Lyons, Kan.

● FILMS AND PRINTS

3c Deckledge Reprints 3c

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

Summers Studio, Unionville, Mo.

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

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

● SAVINGS AND LOANS

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

● LIVESTOCK ITEMS

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

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

● DOGS

Black Shepherd English Puppies. Breeder for 30 years. 10c for pictures and prices. H. W. Chestnut, Chanute, Kan.

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

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

● RABBITS AND PIGEONS

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

● EDUCATIONAL

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

Learn Auctioneering. Three week term soon. Taught by leading auctioneers. Write Missouri Auction School, Dept. 22, 3429 Troost Avenue, Kansas City, Mo.

● REMEDIES—TREATMENTS

Latest Methods treating Piles, Fistula, Colon, Stomach disorders. Write for free book. McCleary Clinic and Hospital, E540, Excelsior Springs, Mo.

Herb Remedies catalog, 128 pages, hundreds of home remedies, 10c coin. Walter Kimball, Dept. 2, Grayville, Ill.

● WANTED TO BUY

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

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

● HELP WANTED

Wanted as assistant herdsmen for purebred Jersey herd a man with experience with dairy cows. Prefer man and wife over forty or forty-five. Give references. Modern home. Starting salary \$300 per month. A Lewis Oswald, Rotherwood—Land of Oz, Hutchinson, Kan.

● OF INTEREST TO WOMEN

Outdoor Toilets, Cesspools, Septic Tanks cleaned, deodorized with amazing new product. Just mix dry powder with water; pour into toilet. Safe, no poisons. Save digging, pumping costs. Postcard brings free details. Burson Laboratories, Dept. E-54, Chicago 22, Ill.

Make Buttonholes the easy way! Sewing-machine attachment also quilts, darns, overcasts seams, etc. Saves time. Extremely useful. Only \$1.00 postpaid. Order today! T. H. Young, Box 1001, Cedar Rapids, Ia.

Fairmount Maternity Hospital—Seclusion and delivery service for unmarried girls. Adoptions arranged; low rates; confidential. 1414 East 27th St., Kansas City, Missouri.

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.

● FEATHERS WANTED

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

● FARMS—MISCELLANEOUS

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

Strout's Farm Catalog. Green cover! Mailed free! 3084 bargains, 33 states. World's largest! Our 51st year. Buy now, beat inflation. Save thru Strout, 20 West 9th St., Kansas City 6, Mo.

● OF INTEREST TO ALL

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

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

Outdoor Toilets, Septic Tanks, Cesspools cleaned, deodorized. Amazing enzyme powder saves digging, pumping, moving. Details free. Solvex Products 5, Monticello, Ia.

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

Write Newcomer's, 46th-Paseo, Kansas City, Mo., for free booklet on Cremation.

● FOR THE TABLE

HONEY 60c Can \$10.50 FOB

12-Lb. Can (Postpaid to 600 mi.) \$3.25

Nice, light, mild honey. Satisfaction guaranteed.

HAHN APIARIES, 1715 Lane St., Topeka, Kas.

June 2

Will Be Our Next Issue

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

Friday, May 25

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

COLLEGE MAY 21 1951 LIBRARY

● FARM EQUIPMENT

Pre-Season SALE ALL-PURPOSE SPRAYERS

TRACTOR MOUNTED MAIL ORDER SPECIAL

Nationally Known Make. PERFECT FOR All These Year Round Jobs.

Spray corn, wheat, oats, and other forage crops to stop weed growth. Increase yields without harm to crops. Spray and kill brush and weeds to improve grass land.

With Hand Spray Attachment—(Extra) Spray weeds along fence rows, corners, yards, etc. Whitewash barn, milk house, poultry house. Spray insecticides on fruit trees. Spray livestock for lice, flies, mange mites, etc. Spray disinfectant in barns, poultry houses, brooder houses and pens. USE TO FIGHT FIRES.

QUALITY BUILT—Full Guarantee FITS ALL MAKE TRACTORS

Hinged boom swings to side. Steel mounting brackets with adjustable height feature to fit all tractors. Famous Oberdorfer Rotary Gear Pump with all bronze gears for longer wear. Pumping Unit attaches to Power Take-off. Pressure gauge with adjustment from 1 to 100 pounds. Monarch Nozzles with screen filters spaced 20 in. apart on boom. Neoprene Hose. Outlet for attachment of Hand Sprayer. Row Crop Drops and Nozzles available (Extra). A quality built sprayer in every way. Made by a nationally known manufacturer whose name we cannot use due to our extremely low selling price. YOU SAVE OVER \$35.00.

SPECIAL MAIL ORDER ORDER NOW

PRICE COMPLETE \$69.95 Give Make, Model of Tractor

14 Ft. BOOM SIZE Satisfaction Guaranteed or Money Back. Backed by Our 53 Year Reputation for Square Dealing.

20 Ft. BOOM\$79.95

26 Ft. BOOM\$89.95

32 Ft. BOOM\$99.95

WESTERN MERCANTILE CO. 1600 Liberty St., Dept. K, Kansas City, Mo.

SILO SEAL Protect your silo walls

Write today for free literature. McPHERSON CONCRETE PRODUCTS CO. 804-1126 West Euclid McPherson, Kansas

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

Hand Blue Grass Seed Strippers. \$3.75. P.P. prepaid. C. R. King, Carlisle, Ky.

● KANSAS CERTIFIED SEED

KAN. CERTIFIED SEED

Fields examined before harvest by competent inspectors. Kansas Certified Seed must be labeled with the official tag which when properly filled out, complies with Kansas Pure Seed Law. These protective measures are your guarantee of superior seed.

Kansas Crop Improvement Assn. MANHATTAN, KANSAS

KANSAS CERTIFIED HYBRID SEED CORN

K1639 - K1784 K1585 - U513

Certified Achenbach Brome Grass Seed

CARL BILLMAN Holton, Kansas

CERTIFIED ATLAS SORGO—Grown from seed selected from stalks of high sugar content. Germination 86%. Purity 99.5%. Price \$7 cwt. Also non-certified Atlas Sorgo. Germination 83%. Purity 99.5%. Equally high sugar content. Grown in properly irrigated field. Price \$5 cwt. P. F. Hansen, Hillsboro, Kan.

Certified Wabash Soybeans. Germination 95%. \$4.25 bushel, new 100-lb. bags. Certified Axtell Sorgo from field selected heads \$8.00 cwt. Samples on request. Chamberlin Seed Farm, Carbondale, Kan., 4 miles east, 50 N—75 Junction.

Certified Seed of U.S.13, K1784, Wabash Soybeans, and Midland Milo. Harold Staadt Seed Farm, Ottawa, Kan.

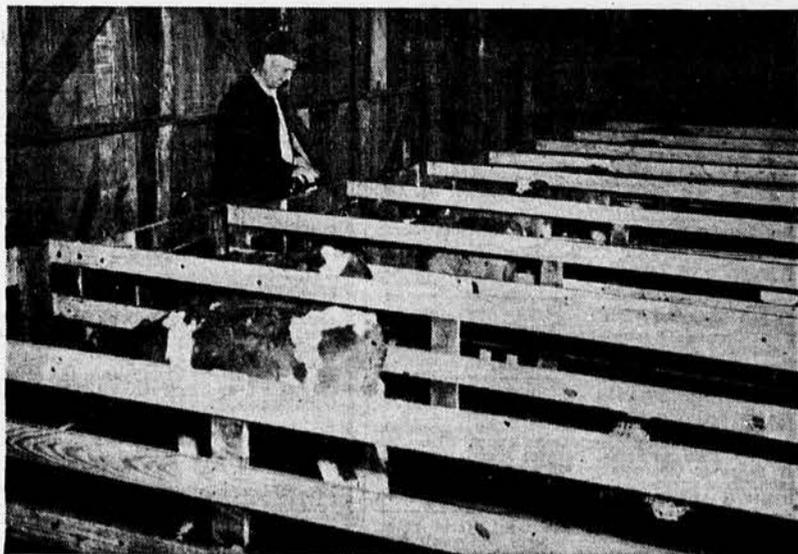
Certified Blackwell Switchgrass Seed. 62% germination, 99.5% purity. Brannan's, Box 7, Meade, Kan.

You Can Do No Finer Thing

than make a generous contribution for the treatment of crippled children. The Capper Foundation will appreciate your gift and will see that it helps some worthy child on the way to a normal life.

The Capper Foundation for Crippled Children Topeka, Kansas

Improved Barn Facilities Ends Calf Troubles



HEALTHY CALVES result from keeping them in individual pens which are light, clean and free of drafts. Robert Shufelt, Labette county, stands in service aisle at head of pens with bucket of grain. Calves moved up to feed boxes eagerly.

INDIVIDUAL stalls in a new calf barn on the Robert Shufelt farm, Labette county, have helped put a stop to calf troubles. Before he built the new barn and gave separate pens to each calf, Mr. Shufelt says he raised them

in groups. There would be 4 or 5 in a pen.

His new calf barn was built mostly with used lumber. It measures 15 by 50 feet and has room for 12 individual pens in it. There is a service aisle at one end of the stalls. With this arrangement he has been able to provide more light, reduce draftiness and keep the calves in cleaner pens than before. It has resulted in elimination of diarrhea, pneumonia and other calfhood difficulties.

For the first 10 days to 2 weeks, his Guernsey calves receive milk from the mother cows. After that milk is taken away gradually and the calves are switched over to a calf feeding preparation.

Name State Winners Guernsey Milk Tests

The American Guernsey Cattle Club, Peterborough, N. H., has named top-producing registered Guernsey cows in Kansas for 1950.

Highest butterfat producer was Eckman's Francine, owned by Albert W. Eckman, Baldwin. The winner produced 13,125 pounds of milk and 748 pounds of butterfat. She was milked 730 times.

Top Guernsey in the 365-day with calving requirements division was a junior 2-year-old, Queen's Princess of C. D. Owned by J. L. Nelson, Wichita, the winner produced 11,578 pounds of milk and 607 pounds of butterfat. A senior 3-year-old, Springdale Joyous, was high animal in the 365-day without

calving requirements division. She produced 10,862 pounds of milk and 576 pounds of butterfat. Owner is Luetta M. Kissinger, Ottawa.

To Clarence Hatfield, Jr., Wichita, goes top honor in the 305-day, twice-a-day milking division with Sunbright King's Lena, a senior 4-year-old. She produced 12,384 pounds of milk and 589 pounds of butterfat. Top Guernsey in the 305-day, 3-times-a-day milking division was an 8-year-old, Ransom Alma's Arlene. Owner is Perry H. Lambert and Max Dickerson, Hiawatha. The animal produced 10,090 pounds of milk and 509 pounds of butterfat.

Name 4-H Gray Scholarship Winners

Twenty-one Kansas 4-H Club members have been named winners of \$100 Carl Raymond Gray scholarships to Kansas State College. They include: Duane Wulfkuhle, Topeka; Daryl Pulis, Horton; Margie Johnson, Concordia; Virginia Lou Davis, Abilene; Shirley Folsche, Troy; Robert Louis Dickinson, Gorham; Norma Jean Mantz, Kanopolis; Betty Keiswetter, Hill City; Eula Fowler, Circleville; Joanne Brown, Leavenworth; Clara Jean Reinertson, Frankfort; Eugene Mulroy, Goff; Bonnie Hofman, Manhattan; Harold J. Tuma, Narka; Milton L. Wallace, Sharon Springs; Harry Dible, Menlo; Walter R. Cooper, Hoxie; Lawrence Odgers, Salina; Raymond Ganoung, Plainville; Marjorie A. Wilson, Wheaton; and Shirley Mayes, Luray.

Seven alternates named include: Jack Arganbright, Hiawatha; Paul McRae, Penokee; Myrna Hilton, Keats; Arvid Anderson, Assaria; Rosa Ellen Larson, Concordia; Gerhard Malm, Topeka; and Ralph Handlin, Geneseo.

Carl R. Gray scholarships go to 4-H members living in counties served by the Union Pacific railroad. Winners are chosen on this basis: 50 per cent, outstanding club work; 25 per cent, scholarship; 25 per cent, leadership.

Ayrshire Convention Had Record Crowd

More than 600 breeders from all parts of the United States attended the national Ayrshire Breeders' Association convention in Hutchinson, May 4. The record-breaking attendance made it the largest annual meeting in the association's history.

Awards were presented to 97 breeders whose herds have won national recognition. Kansas among winners were: M. B. Dusenbury, Corbin; Fred D. Strickler, Hutchinson; G. Fred Williams, Hutchinson; Dwight E. Hull, El Dorado; Rig-hame Farm, Kingman; P. H. Penner, Hillsboro; Donald and Esther Alford, Lawrence; Raymond Gillette, Ottawa.

At the Grand National Ayrshire Sale, held at the State Fair Grounds on May 5, the average was \$656 on 58 head. Seven bulls averaged \$796.50; 35 young cows and bred heifers averaged \$720; 16 heifer calves averaged \$457.50. High-selling bull at \$1,800 was consigned by Earl E. Wilson, Oxford, Mich. Buyer was H. A. Sewing, Maxville. Second high-selling bull, at

\$825, was consigned by Hugh J. Chisholm, Fort Chester, N. Y., and purchased by Lavere Norman, Lamar, Nebr. Chester O. Unruh, Hillsboro, was the only Kansas breeder who consigned a bull. His bull sold for \$525 to Spare & Dannenberg, Hiawatha.

G. Fred Williams, Hutchinson, had the high-selling female, a bred 3-year-old from a 644-pound butterfat dam. She sold for \$1,800 to Boyd Brothers, Little Rock, Ark. The high-selling heifer calf at \$850 was from the Williams herd. The 3rd high-selling Kansas female was a bred heifer consigned by Jake H. Walter, Kingman, and she sold to John C. Stevenson, Downs.

Kansas consignors to this sale were C. D. Beat, Wellington; Chester O. Unruh, Hillsboro; C. L. Hendershot & Sons, Hutchinson; Dwight E. Hull, El Dorado; Kansas State Reformatory, Hutchinson; Dr. W. F. Bernstorff, Winfield; Raymond Landes, Hamlin; Jake H. Walter, Kingman; Fred R. Strickler, Hutchinson; Allen N. Unruh, Hillsboro; G. Fred Williams, Hutchinson. These consignors sold 14 head for an average of \$675.

Kansas buyers purchased over 50 per cent of the entire sales offering. Buyers from Kansas were H. A. Sewing, Maxville; Wayne Banzet, Chetopa; Raymond Landes, Morrill; John Keas, Effingham; Carl Sholtz, Huron; Spare & Dannenberg, Hiawatha; Gene Stillings, Lancaster; John Keas, Effingham; R. Brown, Kingman; J. R. Walter, Kingman; Paul Nieto, Halstead; Lavere Walker, Johnson; Ralph L. Warner, Arlington; Duane Mueller, Wright; Herbert Brown, Big Bow; Don Alford, Lawrence; John C. Stevenson, Downs; Keith Loyd, St. Francis; Royal Hendershot, Hiattville; Chester A. Unruh, Hillsboro; P. L. & Ed Schmidt, Newton; W. S. Watson, Hutchinson; Charles L. Zimmerman, Sterling.

G. Fred Williams was sales manager. Paul E. Sanger, Myerstown, Penn., conducted the sale, assisted in the ring by Charles Cole, local auctioneers, and Mike Wilson of Kansas Farmer. These top Ayrshires went to buyers from 12 states.

About 800 persons attended the sale. G. Fred Williams, Hutchinson, was returned to the board of directors of the association during the annual business meeting.

Trend of the Markets

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

	Week Ago	Month Ago	Year Ago
Steers, Fed	\$37.75	\$38.50	\$32.00
Hogs	21.50	21.35	20.35
Lambs	37.00	37.00	29.25
Hens, 4 to 5 lbs.	.33	.35	.18
Eggs, Standards	.45 1/2	.43	.28
Butterfat, No. 1	.65	.60	.53
Wheat, No. 2, Hard	2.44	2.45	2.33 1/2
Corn, No. 2, Yellow	1.77	1.76	1.50
Oats, No. 2, White	1.03 1/2	1.00	.94
Barley, No. 2	1.49	1.46	1.23
Alfalfa, No. 1	38.00	38.00	30.00
Prairie, No. 1	19.50	17.50	14.00

HOGS

DUROC BRED GILT SALE

At the purebred livestock sales pavilion in South St. Joseph, Mo., May 28
SELLING A SELECT LOT OF QUALITY GILTS Bred to Farrow in July and August. Bred to The 49er, 1949 Nebraska Junior champion; to Modern Trend, a great aged boar, and to Star Velvet, a son of Velvet and he by the \$4,000 Red Velvet Star Velvet was our choice of the H. Y. Potter April sale. He is a very flashy pig, a cherry red, slick hair coat, heavy boned, open-eyed pig. A real modern type pig. This is an opportunity sale. They won't sell too high and they will farrow when cheap summer pasture is available. This is a registered, cholera immunized offering.

Sale at 1:30 P. M.
For sale catalog write to
EARL MARTIN & SON
DeKALB, MISSOURI
Auctioneer: Donald Mendenhall, Bucklin, Mo.

SUPERIOR DUROCS

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

JAYHAWK FARM DUROCS

The Home of State and National Winners
In this herd you will find the most of the best Bred Fall Gilts and Spring Boar pigs for sale.
RALPH SCHULTE
LITTLE RIVER, KANSAS

OUTSTANDING DUROC FALL BOARS

Sired by the 49'er, Nebraska champion boar. Others by Royal Fleeting Ist, by Fleeting, the \$2,700 Iowa junior champion boar. Registered. Guaranteed. Ideal color, type and confirmation.
B. N. HOOK & SON, Silver Lake, Kansas

Improved for type and bigger litters. Best of breeding. Choice spring boars and spring gilts ready to go.
DALE SCHEEL
Emporia, Kan., Rt. 2

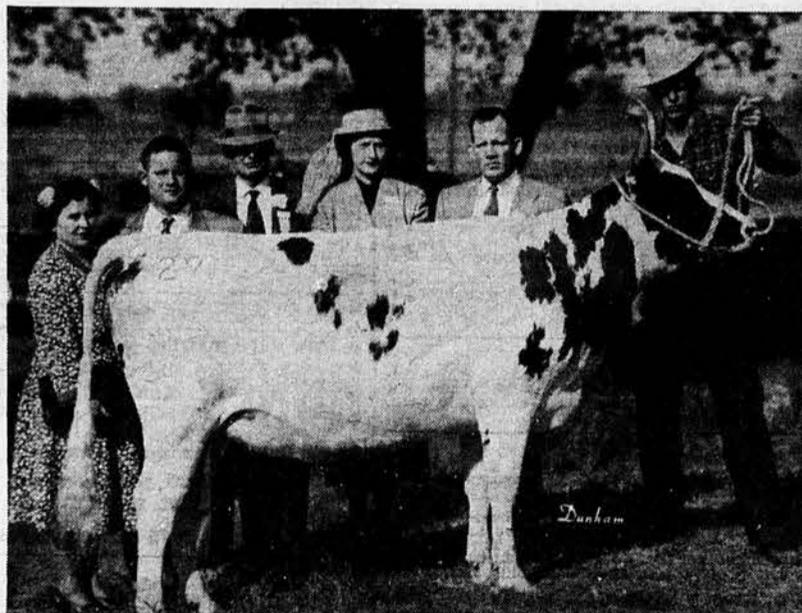
Poland China Fall Boars FOR SALE

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

REG. SPOTTED POLANDS

Serviceable-age boars; also unrelated gilts. Champion breeding, new bloodlines.
HERBERT HOLLIDAY, Berryton, Kan.

Kansas-Owned Ayrshire Female Top At National Sale at Hutchinson



WOODHULL PRINCESS HOLLY 337876, bred heifer consigned by the breeder G. Fred Williams, Hutchinson, was the high-selling female (at \$1,800) in the Grand National Ayrshire Sale at Hutchinson, May 5. Mr. Williams is shown in the center of the group. To his right and left are the Boyd Brothers and their wives, Little Rock, Ark., buyers of the animal. At the halter is Mr. Williams' son, Redman. The high-selling female was one of 2 animals reaching the \$1,800 figure. A yearling bull consigned by E. E. Wilson, Oxford, Mich., sold for that figure to H. A. Sewing, Maxville.

**Buy Direct From
Factory and Save**

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

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

The F & H heavy duty 24" or 18" self-propelled rotary type lawn mower cuts fine grass or large weeds. Powered by a Briggs & Stratton 3 H.P. air-cooled engine. V-belt and roller chain drive. Ball bearing spindle. Electric welded steel frame. No castings to break. Auto type differential. Pulls from both wheels. Fool proof V-belt clutch. All bearings and gears are unconditionally guaranteed for one year. Drive wheel 12"x3.00 semi-pneumatic puncture proof. Front wheel 10"x2.00. Two blades with each machine. Only one nut to remove to change blades. Satisfaction guaranteed. Manufacturers of Power Equipment
Foushee & Heckendorn
Cedar Point, Kans.

**INTERLOCK WHITE TOP
SILOS ARE
GUARANTEED**

DON'T WAIT!
Plan NOW to save your feed and your money! White Top Silos Interlocking Stave construction and super three coat Glaze Process guarantee feed savings by helping to prevent spoilage! SEND FOR FREE INFORMATION TODAY!

\$35 DOWN PAYMENT
INTERLOCKING STAVE SILO CO.
720 North Santa Fe KF Wichita, Kansas

I would like information on the following:
 SILOS GRAIN AND INDUSTRIAL STORAGE SILAGE
 FARM BUILDINGS BEAR CAT 2-ROW FORAGE HARVESTER

NAME _____
ADDRESS _____
CITY _____ STATE _____ KF

SHEEP

**REGISTERED SUFFOLK
RAM & EWE SALE**

Canadian and American Sheep

**Oskaloosa, Iowa
Mon., June 11, 1951
70 HEAD 70**

Write for catalog to
ROY B. WARRICK

Oskaloosa, Iowa
ROCKVILLE STOCK FARM
Drumheller Alberta, Canada
BEAU GESTE FARMS
Oskaloosa, Iowa, U. S. A.

FOR SALE

Several thousand choice,
smooth, Rambouillet-Corriedale
YEARLING EWES

bred to lamb in September. Wt.
90 to 100 lbs. All were sheared
April 1st or before.

WYCOFF BROS.

RUSSELL SPRING, KAN.—Phone 88

YEARLING RAMS

30 Shropshires—6 Hampshires

Big husky fellows.

D. V. SPOHN, Superior, Nebr.

Dairy CATTLE

**REGISTERED
WISCONSIN HOLSTEIN CALVES**

FOR HIGHER PRODUCTION HERDS
Exceptional offering of choice registered
Wisconsin Holstein Calves. Available in large
quantities. Also some Guernsey and Brown Swiss. Vaccin-
ated against shipping fever. Health sheet furnished.
Well started — no milk required. Visitors welcome.
WRITE OR TELEPHONE

J. M. MCFARLAND & SONS
WATER TOWN WISCONSIN

**HIGHER VIEW DAIRY
FARM HOLSTEINS**

Located 4 miles north of Hays, on highway
183. Featuring the bloodlines of Clyde Hill
and the Crescent Beauties. We have 125 head
in our herd. Serviceable-age bulls for sale at
all times. We offer a few females occasion-
ally. Visitors always welcome.

J. D. & E. E. FELLERS, Hays, Kan.

REGISTERED HOLSTEIN BULLS

For Sale: From calves to serviceable age, sired
by a son of gold medal "Sir Bess Tidy" and out
of high-producing dams.

A. E. Funk & Sons, Hillsboro, Kansas

NEMAHA VALLEY HOLSTEINS

Rock-Burke breeding. Herd ave. 531 lbs. fat.
Records up to 1,000 lbs. 2x 3 yr. Bulls up to
service age for sale.

Mrs. H. D. Burger & Son, Seneca, Kansas

DAIRY CALVES Cows, Bulls from Wisconsin's
largest distributor. Tested, registered Holstein. Guernsey,
Swiss on approval. Lost cost. Free bulletin. Write
MR. FORBES, Dairyland Cattle Company, 1203
West Canal Street, Milwaukee, Wisc., or tele-
phone Evergreen 4-6263 day or night.

Dual-Purpose CATTLE

Offering **POLLED MILKING
SHORTHORN HERD SIRE**
Dark red, calved in 1948. 7 nearest dams aver-
age 10,471 lbs. milk, 477 lbs. BF. M. E. 13,227—
594.9. Priced reasonable. Contact
MAX CRAIG, Osage City, Kansas

MILKING SHORTHORN BULL

For Sale—Delivered, choice dark red, 11 months
old. Price \$250.00. Nearly all of our cattle are
Polled, but we have 3 dehorned bulls that we will
sell for less. **W. A. Hegle, Lost Springs, Kansas.**

• AUCTIONEERS •

HAROLD TONN

Auctioneer and
Complete
Sales Service
Write, phone or wire
Haven, Kansas

BERT POWELL

AUCTIONEER
LIVESTOCK AND REAL ESTATE
1529 Piass Avenue Topeka, Kan.

Livestock Advertising Rates

Effective February 1, 1951

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

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

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

**RELIABLE ADVERTISERS ONLY
ARE ACCEPTED
IN KANSAS FARMER**



**IN THE
FIELD**

MIKE WILSON
Topeka, Kansas
Livestock Editor

Word comes from **LEE BREWER**, county agent of Riley county, that Riley and adjoining counties will again this spring hold their pig sale, consisting of gilts and barrows born after March 1, for 4-H Club prospects. The date of this event is the evening of May 22. All breeds will be represented by consignments. This is held especially for 4-H and FFA members to secure animals for their projects in the coming year. Any one interested should write Mr. Brewer, at Manhattan.

MR. AND MRS. VERN RORABAUGH AND DOROTHY K. THURSTON, Bellaire and Concordia, held a Milking Shorthorn sale at Smith Center, April 24. It was well attended, and prices received were very satisfactory. Twenty-five females averaged \$372.50; 6 bulls averaged \$260. General average on 31 lots was \$350.50. Many of the animals sold were under one year old. The offering was sold in ordinary farm condition. All cattle were sold in Kansas with the exception of 5 head going to Nebraska. Gus Heldebrecht was auctioneer, and Joe Hunter read pedigrees.

I have a very interesting letter from **LESLIE A. STEWART**, young Duroc breeder of Americus. Mr. Stewart is building one of the good Duroc herds in this section of Kansas. Thru the selection of good boars and sows he is building his herd to the point he is furnishing seed stock for some of the most discriminating buyers. I note he has recently selected a boar to head his already good sow herd. This good boar comes from the Pearson Stock Farm herd at Radcliff, Ia. He is a son of the \$2,500 Indiana Junior champion, "Distinction." When in the Americus neighborhood, don't fail to pay Mr. Stewart a visit.

More than 1,000 ranchers, farmers and friends gathered at the **L. L. JONES & SON RANCH** at Garden City, May 9, for the Jones Biennial sale of purebred Herefords. There were 77 head of fine Herefords that passed thru the auction ring in rapid succession. The entire offering brought a grand total of \$115,100. Thirty-three head of bulls made an average of \$2,155; 44 females figured \$1,000. Top bull, lot 1, JO Duke Pride 2nd, brought \$15,100 on the bid of Walnut Hill Hereford Ranch, Great Bend. Top female was lot 35, JO Royal Lady 195th, bred to WHR Duke Pride. She sold to E. S. Tucher, Eureka, for \$2,800. Col. Gene Watson and Charles Corkle were auctioneers.

The **WARRICK AND ROCK SUFFOLK** ram and ewe sale to be held in June at Oskaloosa, Ia., is made up of some of the finest sheep ever offered. The animals are backed by the finest bloodlines in the country. The ability of the breeding to produce for the farmer and rancher, so far as pounds is concerned, is unsurpassed. There will be sheep in this sale sired by the world's-record-priced ram, Badley Quinton, the sire of the \$3,350 world-record-priced ram lamb. There also will be other sheep by the sire of the \$1,010 world-record-priced ewe lamb. The feature of the morning program will be devoted to a Suffolk school. It will start at 9:00 A. M. Men of national reputation will conduct this school. Everyone interested in the production of Suffolk sheep should not fail to attend this school and sale.

The **KANSAS-NEBRASKA SHORTHORN AND POLLED SHORTHORN SALE** at Superior, Nebr., on April 3 made a general average of \$498 on 68 lots offered. Forty-seven bulls made an average of \$527, while 21 females averaged \$433. Champion bull was lot 30, Mardale Leader 24th, consigned by Ernest Retzlaff & Sons, Walton, Nebr., and selling to F. V. Morrison, Murtaugh, Idaho, for \$785. The \$1,000 figure was reached 3 times, with Morrison taking lot 31, Braemor Starry Archer 48th, consigned by Carl Retzlaff & Sons, Walton, Nebr.; lot 4, Day Break Champion, consigned by Stuart Sutton, Hubbell, Nebr., sold to John Bauer, Culbertson, Nebr., and lot 15, Royal Villager, consigned by Arnold Hansen, Ruskin, Nebr., was taken by C. L. Meyers, Superior, Nebr. The champion female was Mil Don Roan Lady A, consigned by D. V. Spohn, Superior, and selling at \$615 to Warren Roe, Nora, Nebr. Top-selling female, lot 53, Choice Victoria 22nd, consigned by Carl Retzlaff, brought \$815 on the bid of Mr. Morrison.

April 30 at Hutchinson the **HENRY TOPLIFF** Holstein herd was dispersed in connection with consignments from the Central Kansas Holstein Breeders' Association. Fifty-eight head of registered cattle were sold for an average of \$485 per head. A top of \$1,000 was made on cows for a daughter of Clyde Hill Eisie Lad 6th, with a 1-day-old heifer calf. Harold B. McDaniels, Wichita, took the cow at \$760 and Eugene Colle, Sterling, took the baby calf at \$240. The highest individual selling in the sale was from the Clarence Quinn consignment, Bennington, and purchased by Keith Dalbon, Anness, at \$850. The largest purchaser in this sale was C. L. Casner, Viola, taking 10 head at \$5,665. They were mostly cows to calve this summer. All the cattle remained in Kansas but were sold in practically every neighborhood in the state. T. Hobart McVay, Nickerson, managed the sale. Col. Bert Powell and Charles Cole, assisted by press representatives, conducted the sale.

O'BRYAN RANCH DOUBLE-HEADER drew the largest crowd ever to attend the O'Bryan Ranch sale, at the ranch west of Hiattville, April 26. The spring bull sale started at midday and the registered hog sale was held at 7:00 P. M. of the same day. About 120 Hereford bulls were sold and about 100 head of hogs were auctioned. Principal buyers were farmers and ranchers from the 4-state trade territory of Kansas, Missouri, Oklahoma and Arkansas. A few head sold to the Cotton States Cattle Company, Collierville, Tenn. The cataloged bull sale averaged \$378 per head. All but a few head were 1950 bulls, some as late as July. Bonny B. Mischief 12th by Bonny B. Domino 1st, a proven 2-year-old bull, topped the sale at \$1,325, going to R. P. Brown & Sons, Columbus. Golden Willow Ranch, Pittsburg, paid \$1,030 for another proven past 2-year-old bull, Silver D. Mischief 19th, by G. Carlos, Mischief President. Top on the 1950 calves was \$700, paid by Ray Goforth, Pleasant Hill, Mo., for an extra lot fall calf, son of the sale topper. Glen Hopkins, Breckenridge,

paid \$665 for AM Triumph's Dandy 20th, a May 21st son of Triumph's Dandy. Mischief Top Choice, a son of Mischief Choice, topped the Hampshire sale, going to W. B. Andrews, Shidler, Okla., for \$345. Cols. Jewett Fulkerson, Gene Watson and Ray Sims alternated in the selling, assisted in the ring by the livestock fieldmen.

Kansas sheep buyers practically made the **MISSOURI HAMPSHIRE BREEDERS RAM SALE** at South St. Joseph, Mo., May 10. Twelve rams sold from \$100 to \$170 and 10 of these sold to Kansas buyers; 37 rams, mostly yearlings with a few mature rams, averaged \$92.50. Two rams, both yearlings, consigned by J. R. Poague, Lincoln, Mo., reached the \$170 figure, which was sale top. One went to Riley Goodwin, Concordia, and the other to G. W. Downs, Paola. The 3rd high-selling ram, a May yearling, at \$165 was consigned by Glenn Armentrout, Norborne, Mo., and purchased by Wayne E. Niel, Jamestown. Kansas buyers bought over 50 per cent of the dams sold; they definitely were buying the better ones. The entire offering went to Kansas and Missouri buyers. Bert Powell was auctioneer, assisted in the ring by Glenn Armentrout and Don Bowman.

Public Sales of Livestock

Aberdeen-Angus Cattle

May 21—Red Oaks Farms, Rocky Comfort, Mo. J. B. McCorkle, Sales Manager, Suite 3500 AIU Bldg., Columbus, Ohio.
November 7—Kansas State Aberdeen-Angus Breeders Sale, State Fairgrounds, Hutchinson, Kan. Don L. Good, Secretary, Manhattan, Kan.
December 12—Commercial and Purebred Angus Sale, Dodge City, Kan. Don L. Good, Secretary, Manhattan, Kan.

Hereford Cattle

October 12—Brown Brothers, Fall River, Kan.
October 22—Beeks & Cleland, Baldwin, Kan.
November 1—Flint Hills Association, Cottonwood Falls, Kan.
November 2—Haven Hereford Breeders, Hutchinson, Kan.
November 2—Central Kansas Polled Hereford Association Show and Sale, Herington, Kan. O. J. Shields, Sale Manager, Lost Springs.
November 3—Jesse Riffel & Sons, Enterprise, Kan.
November 7—Calloway County Hereford Breeders, Winfield, Kan.
November 10—W. H. Tonn & Son, Haven, Kan.
November 12-13—Sunflower Futurity, Hutchinson, Kan.
November 14—K Ranch, Hutchinson, Kan.
November 19—Summer County Breeders, Caldwell, Kan.
December 7—South Central Kansas Hereford Association, Newton, Kan. Phil Adrain, Secretary, Moundridge, Kan.
December 10—Kansas Polled Hereford Sale, Hutchinson, Kan.

Holstein Cattle

May 23—Department of Corrections of Missouri. Paul Reutz, Superintendent of Farms, Jefferson City, Mo. R. S. Caldwell, Sales Manager, 719 Gentry St., Columbia, Mo.
June 20—East Central Kansas Holstein Breeders Consignment Sale, Tonganoxie, Kan. Grover Meyer, Sales Chairman, Basehor, Kan.
October 10—Kansas State Holstein Association Sale, Abilene, Kan. Grover Meyer, Chairman of Sale Committee, Basehor, Kan.
October 25—Central Kansas Holstein Consignment Sale, Hutchinson, Kan. T. Hobart McVay, Sale Manager, Nickerson, Kan.

Shorthorn Cattle

June 8—D. W. Bishop, Highland View Farms, Gashland, Mo. and W. A. Cochel, Roanridge Farms, Parkville, Mo. Sale at Gashland, Mo. Mervin F. Aegerter, Sales Manager, Seward, Nebr.

Milking Shorthorn Cattle

June 20—Ordell Gill, Peculiar, Mo.

Duroc Hogs

May 28—Earl Martin & Son, DeKalb, Mo. Sale at South St. Joseph, Mo.

Hampshire Sheep

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

Hampshire and Suffolk Sheep

June 18—Wm. F. Renk & Sons, Sun Prairie, Wis.

Suffolk Sheep

June 11—Annual Suffolk Stud Ram and Ewe Sale, Rock & Warrick, Oskaloosa, Ia.

Sheep—All Breeds

May 21—Fifth Annual Purebred Sheep Breeders' Association Sale, Hutchinson, Kan. T. Donald Bell, Secretary, Manhattan, Kan.
June 29-30—Midwest Stud Ram Show and Sale, Sedalia, Mo. Rollo E. Singleton, Manager, Department of Agriculture, Jefferson City, Mo.

A New Flavor

A sugar cube well soaked in orange juice and placed atop baking-powder biscuits before baking adds a delicious difference to their flavor.—Mrs. L. W.

Beef CATTLE



**Offering
20 Polled
Hereford Bulls**

**Sired by
Polled Sons of C. K. Cadet**

Intensely Polled bloodlines from 40 years of constructive breeding. Exceptional quality—well developed 12 months old.

GOERNANDT BROS.
Ames, (near Concordia) Kansas

POLLED HEREFORDS



Our Polled Herefords from both ranches are well known thruout the Flint Hills of Kansas. We are a member of the Flint Hills Hereford Association. Our main ranch is located near Topeka, Kan., while our Mulvane Ranch is at Rossville, Kan., with Francis Davis, foreman. Sires in service are: MF Model Real, Pawnee Domino 22nd, Beau Perfect 24th and Prince Plato. Address all correspondence to
ALLEN ENGLER & SONS
Rt. 1, 5 miles south and 1 mile west of TOPEKA, KANSAS

FOR SALE

One 10-months-old Polled Hereford bull. One 6-year-old MP Domino 88th, proven herd sire. Taking orders for bull calves for future delivery. Glenn J. Biberstein & Son, Attica, Kan., Ph. 3708

POLLED SHORTHORN

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

**ANGUS ARE BRED
for Better Beef**

On the butcher's block and in interbreed competition, Angus steers conclusively prove their superiority as producers of better beef. For the forty-third time in 45 shows, an Angus steer carcass won the grand championship at the Chicago International. All prize-winning carcasses at this show were Angus. Blacks breed better beef! For information write: Dept. KF.



American Aberdeen "Tomorrow's Beef Cattle Today"
Angus Breeders' Association, Chicago 9, Illinois

**REGISTERED
ABERDEEN-ANGUS BULLS**

For Sale—11-14 Months Old
Sired by Eileenlin G.D. 2nd—999117.
Plenty of style, class, growth and quality. Not in show condition. Ready for limited service.
CHRISSE DROMMER, Norton, Kansas
4 miles N., 4 3/4 miles E. Phone 18F04

FOR SALE

**2 REGISTERED
ANGUS BULLS**
7 Months Old
Both are grandsons of "Eileenmere, 500", and the sons of "Eileenmere 1073" and "Eileenmere 1056."
Phone 19F22, Navarre, Kansas
Address Ervin Orth, Hope, Kan., Rt. 2.

**OUR TOP OFFERING
HIGHLAND VIEW—ROANRIDGE
2ND ANNUAL JOINT SHORTHORN PRODUCTION SALE
Friday, June 8, 1951—Gashland, Mo.**

(Sale at Highland View Farm, 10 miles north of Kansas City on U. S. No. 169—farm is one half mile east of Gashland on State Highway H.)

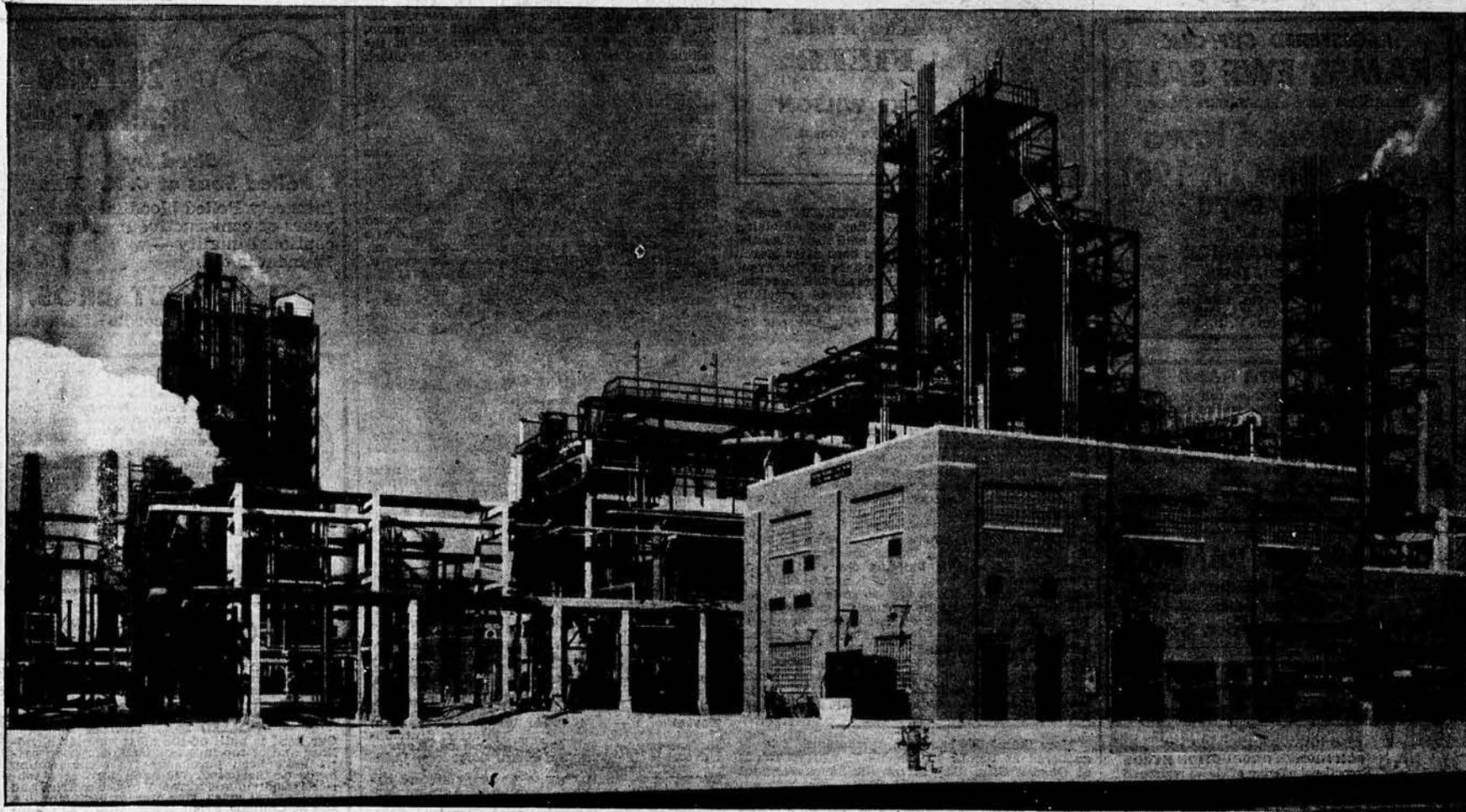


SELLING 14 BULLS—37 FEMALES

Mr. and Mrs. D. W. Bishop, Highland View Farm, Gashland, Mo., sell 6 bulls, yearlings and coming 2-year-olds, sons of Calrossie Supreme and Highland View Royal Leader. You will like the good bred, rugged, herd-heading quality of every one of them. Thirteen including 4 daughters of Calrossie Supreme and others by Sni-A-Bar Air Lord, Gregg Farms Mercury, M F Prince Peter 19th, Levidale Foray and Woodhead First Impression. Many of the females carry the services of Erimus Dandy, blocky, good headed, thick, dark red, son of Ballathie Command.
W. A. Cochel, Roanridge, Parkville, Mo., offers 8 bulls, strong aged yearlings, sons of Roanridge Mercury 3d, Sni-A-Bar Controller, ness in mind. Six cows with calves at foot, 11 bred cows and heifers and 2 open heifers, including daughters of Edelynn Campeon Mercury, Millhills Jasper, Westmorland Supreme, in-Roanridge Major Mercury and Roanridge Mercury 3d. Most of the females carry the services of Sunset Bounce 26th, chief stock bull at Roanridge by the noted Craggerton Bounce, this bull was the top-selling bull in the last Elcona-Hanson Heights Sale and has developed into an outstanding individual.
Calfood vaccination for Bang's has been practiced in both of these herds and everything sells Tb. and Bang's tested and can be shipped anywhere.

For the catalog and other information, address
MERVIN F. AEGERTER, Sale Manager, Seward, Nebraska
Auctioneer—C. D. (Pete) Swaffar
Bert Powell with this Publication

MAY 21 1931
MANHATTAN
STATE COLLEGE
KANSAS



GIANT REFINERY UNITS like these at our Whiting, Indiana refinery are among the tools of our trade which help Standard Oil employees to earn good wages and enjoy steady work. Our tools are made possible

by the investment of our many owners. Last year about two-thirds of our profits were retained in the business to help pay for new equipment and thus increased the book value of the owners' stock.

2/3 of our profits help pay for the new tools our employees use

THE BETTER the tools a man has on his job, the more he can produce—and the more he can earn. Each employee of Standard Oil and its subsidiary companies is backed by an average investment of \$31,400 in tools and equipment.

There's an old question, "Which came first—the chicken or the egg?" In our case, modern tools and equipment help us make a profit, but we could not have them unless we made a profit. In recent years, about two-thirds of our profits—the money left after paying all expenses and taxes—have been plowed back into the business to help expand and renew the facilities that enable us to serve you.

The remaining one-third of the profits has gone in the form of dividend payments to those who then held shares of Standard Oil as a return on their investment. Last year's dividends had a value of \$3.14 per share of stock.

Because they are good workers and are provided with good tools, our employees earn good wages and have the security of steady work.

Profits benefit our customers, too. Because of profits, new equipment increases the supply of products and improves their quality. That's the customer's "dividend."

Yes, profits give investors a fair return on their investment. They give employees good earnings, and the security of steady work. And they give you a dependable supply of products at prices so economical that gasoline, for example—compared with most of the things you buy—is an outstanding bargain.

STANDARD OIL COMPANY



HIGH PRODUCTION MEANS good earnings for N. H. James, who works at our Casper, Wyoming refinery, and for 46,700 other Standard Oil employees. At our refineries one of the big reasons for high production is our modern catalytic crackers, the largest of which can produce enough gasoline to keep 200,000 automobiles running.



HIGH PRODUCTION MEANS a fair return for Mrs. Alvah P. Clayton of St. Joseph, Missouri, one of the many owners of Standard Oil. No one person owns as much as 1% of our stock. Of the institutional owners, including many educational and charitable organizations such as hospitals and universities, no one owns as much as 4%.



HIGH PRODUCTION MEANS lower prices and better quality for millions of Standard Oil customers, like Orlo Jensen of Mason City, Iowa, a regular farm customer of Standard Oil agent, Oscar Rosel. Gasoline, for example, now sells at about the same price, excluding taxes, as in 1925. On a performance basis it is worth 50% more.