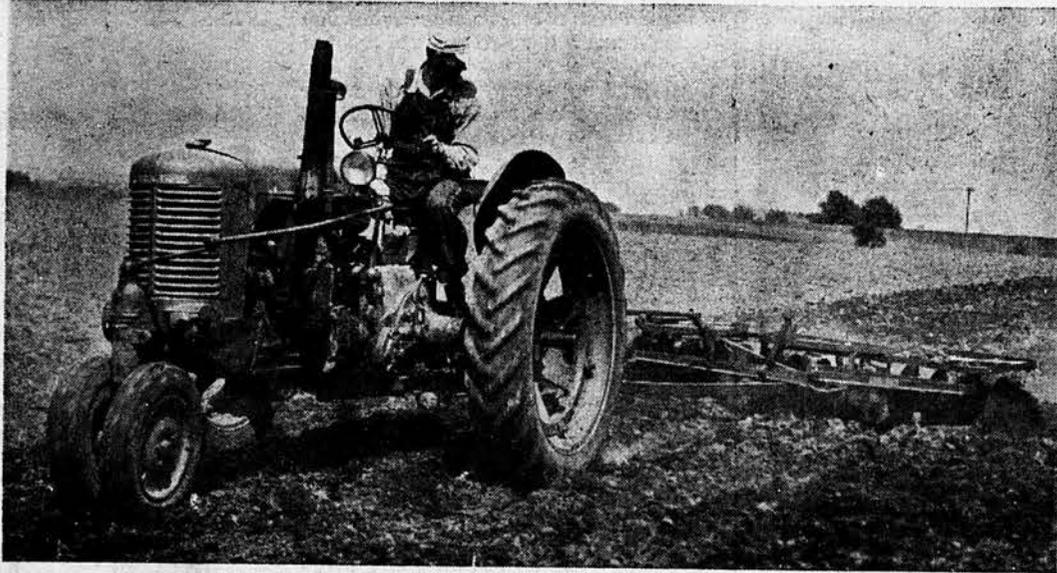


Copy 2

Kansas Farmer



DISKING AHEAD of planting to get his seedbed "just right" is Ralph Smith, 1952 winner of 100-bushel corn growing contest in Johnson county.



T. R. BENTON, Johnson county, refilling spreader with fertilizer. He is one of about 100 Johnson county entrants in a 100-bushel corn growing contest this year.

MAYBE YOU CAN GROW 100-BUSHEL CORN, TOO



Johnson county farmers prove it in 5-acre plots on their farms

JOHNSON COUNTY farmers are selling themselves on use of fertilizers on corn. It all started in 1952, not a good corn year, when the Johnson County Rural Life Association, under leadership of Ritchie Brown as president, sponsored a 100-bushel corn club. Thirty-two farmers entered the contest and Ralph Smith walked off with top honors by producing a yield of 114.3 bushels an acre. *[Continued on Page 14]*



VERNON MEADOR (above) is president of Johnson County Rural Life Association, which is sponsoring one group in the 100-bushel corn contest.



RECOMMENDED (at left) by County Agent Tom Hall for most contestants is a starter fertilizer, followed by a heavy application of nitrogen at the first or second cultivation. This contestant is mixing a starter fertilizer.

- Solving Their Soil and Water Problems Page 4
- Take a Good Look at Sheep Page 10
- 125 Bushels of Wheat an Acre Page 12

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2 steps SAVE MORE CORN



Pick on Time

The day you have waited for has arrived. Kernels are dented. There's toughness still in the cob. The twist of an ear tells you it's time to pick!

The Allis-Chalmers Corn Harvester offers you unmatched economy—low purchase price, low operating cost. Now you can have your own picker—always ready to go.

You'll have the crop safely in the wagon ahead of rain-softened fields; before freezing and thawing make slippery going; before kernels shrink and fade.

Four-fifths of the two-row Corn Harvester's weight is balanced over the tractor's rear wheels for additional traction. The machine is *undermounted* on the WD or WC Tractor in less than 30 minutes. For the CA or smaller tractors, the one-row trail-type Corn Harvester is quickly hitched and ready to go. Its light weight (less than 1,500 lbs.) makes it easy to pull in muddy fields.

Get More Ears with Less Shelling

Here, too, you'll find Allis-Chalmers Corn Harvesters are first in the field. The long, sloping gathering snouts follow the ground, nose under leaning stalks and scoop up low-hanging ears. You get more corn.

Rubber-grip rolls leave the kernels on the ears. There's less shelled corn in the field . . . less in the crib to choke air circulation and cause mold pockets.

See your Allis-Chalmers dealer and find out how your own Corn Harvester will save you more corn . . . and money.



Our Eleven 4-H World Travelers Get Started on Their IFYE Trips

ELEVEN 4-H CLUB members go to Europe and Asia this summer in the (IFYE) International Farm Youth Exchange program. This time *Kansas Farmer* has asked Don Weixelman, of Louisville, in Pottawatomie county, to write about his experiences in Lebanon and Syria, and John Ferrell, of Mt. Hope, in Sedgwick county, to write letters for all of us to read in *Kansas Farmer* from India. You will recall *Kansas Farmer* has been bringing you letters from other 4-H'ers who visited many other countries in recent years. Here is the "getting started" letter from Don Weixelman. Watch for others right along in your *Kansas Farmer*.—R. H. G.



DON WEIXELMAN
Louisville, Pottawatomie County

DEAR MR. GILKESON (New York, N. Y., June 11, 1953): Before an international farm youth goes to visit a country he must be well orientated into the program. First we try to learn as much about the people as possible. Then we study and try to speak the language of that country. Since upon our return we give talks about our experiences, we usually are given lessons in photography since pictures tell a story much easier than any other way.

The formal orientation is on both a state and a national basis. In Kansas our first experience came May 9. That day all IFYE's who were going overseas this year ate with the Extension club at Kansas State College. J. Harold Johnson, state 4-H Club leader, explained some of the principles underlying the IFYE organization. Such as has been entirely promoted by private (not government) funds. Also the fact we would be working and living with farm families. And that it was our duty as IFYE's to become a part of those farm families. To become friends with them, hoping if we became friends with the families, they will become friends of the United States. Dan Petracek, last year's delegate to Greece, and Marvin Gongist, last year's delegate to Austria, gave us photography pointers.

Kept Mighty Busy

Since writing is an important job of an IFYE in getting his story to the folks at home another orientation was held May 28. After a dinner with the Manhattan Rotary Club, Raymond H. Gilkeson, editor of *Kansas Farmer*, gave us a brief, valuable lesson in journalism. We finished off our state orientation by having Loren Goyen, state IFYE leader, summarize the past work and brief us on the national orientation.

The national orientation for Mediterranean region started in Washington, D. C., June 8 and lasted until noon, June 11. We were kept mighty busy. Meeting started at 9 o'clock in the morning and lasted until 11 o'clock at night, except for Tuesday which we got off at 5 p. m. Such things as world trade and international understanding were discussed. We went more deeply into fitting ourselves into a culture that would be entirely new to us and winning the family as friends. We also discussed protection of our health, and expense accounts. We again were reminded that IFYE is privately financed and that money was limited so we had to watch our spending. It was stressed we were not tourists and that we should not conduct ourselves as such.

Three Main Purposes

We also studied more thoroly the kind of pictures to take so they will help us with our talks. When we finished we had 3 main purposes in mind: 1, to help people over there understand us Americans; 2, to bring home a story so we could better understand them, and 3, broaden ourselves and the people with whom we communicate.

After we finished in Washington we came to New York. We board the Comte Binncamo in the morning, sail at noon.

Those of us going to the Far East will go as far as Naples, Italy. There

we have a 5-day layover waiting for an Asiatic liner to pick us up. Those of us going to Lebanon and Syria, Carroll Scoggings of Louisiana, Cecil Spooner and myself will land at Beirut, Lebanon, about June 30. However, we visit Syria first. So we leave immediately for Damascus, Syria, arriving there next morning.

If you are wondering where the money is gotten to finance this program I will tell you. Part of it comes from county, state and national 4-H Clubs. Each county sending a delegate raises \$600 thru individual and organization donations. And the rest comes from the national sponsors of IFYE who are Allis Chalmers, Ford Foundation, Sears Foundation and Keer Glass Company. (*Kansas Farmer* is glad to help in this, also.)

I would like to take this opportunity to thank the people of Pottawatomie county for raising the \$600 for me. I hope I can make this trip worthwhile for the money put into the program, world peace and myself as well as the people of Kansas.

That is all I have for now. You will hear from me again after I get to Lebanon.—Don Weixelman, IFYE delegate to Lebanon and Syria.

Tenth IFYE Comes to Kansas

Guest on 2 Kansas farms this summer is Carmen Crespo, 23, of Costa Rica. The Robert Hubbard family, Emporia, and the Dean Brost family, Independence, are her hosts. She is an IFYE delegate, was a 4-H'er in her home land 10 years. She is a home demonstration agent with the University of Puerto Rico Extension service. There are now 10 IFYE's visiting Kansas.

KANSAS FARMER

Continuing Mail & Breeze

ARTHUR CAPPER... Publisher (1893-1951)

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Carl Eiche... Associate Editor

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Dr. C. H. Lerrigo... Medical Department

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Three years, \$1; one year, 50 cents. Copy 5c.

Beef Cattle Marketing Specialists Report . . .

1. Cattle numbers are at an all time high.
2. Continued drought in the Southwest may force heavy marketings of thin feeder and stocker cattle.
3. Corn belt feeders may curtail purchases of feeder cattle and store their corn with government loan.

"THESE FACTS strongly suggest that shooting for an early market with cattle turned to grass will be most profitable. Moving the marketing date forward 30 to 60 days by supplemental feeding on grass and marketing slaughter cattle rather than stocker and feeders will show most profit. The spread between well finished and poor finished cattle widens on a down market."

ANALYZE THE ABOVE FACTS. Marketing specialists agree that early marketings and marketing slaughter cattle off grass offers opportunities for greatest profits.

Here's How GOOCH Can Help You Take Advantage of These Recommendations

Feed **HEP**
(HIGH ENERGY, PROTEIN)

Gooch's Best Feeder-Proved Grass Supplement

CONTAINING GBA-50 (GOOCH'S BACTERIA ACTIVATOR)—STIMULATES BACTERIA GROWTH IN PAUNCH TO DIGEST HIGHER PERCENTAGE OF GRASS

Gooch's Best H E P contains a high percentage of grain to supply the energy or fat producing nutrients, high quality proteins at a level to properly supplement grass, minerals at a level to meet the demands for rapid gains and fat production, and GBA-50, that combination of nutrients which stimulate paunch bacteria to digest a higher percentage of the fibre of grass. This carefully formulated grass supplementing feed provides the energy or fat producing nutrients, proteins, minerals and bacteria stimulating nutrients to help your cattle get more out of your grass, increase finish and you get them on an early market.

START FEEDING NOW

For Your Yearlings—Feed 6 to 8 pounds of H E P per steer per day to get them in slaughter condition. Lesser amounts will provide those nutrients lacking in grass for maximum gain and makes big, fleshy yearlings which require less time in the feed lot to make choice slaughter cattle.

For Your Two and Three-Year-Old Steers—Two-year-old steers are still growing and need more feed to make them slaughter steers than three-year-olds. To hit early markets with fat slaughter steers, feed two-year-olds 4 to 6 pounds of H E P per steer per day and three-year-olds 3 to 5 pounds daily.

For First Calf Heifers—To prevent first calf heifers from suckling down too thin, feed 2 to 5 pounds of H E P per head per day.

Increase Carrying Capacity of Your Pastures—Pastures short on grass can carry more head of cattle by supplemental feeding. Depending on the available grass, feed 1 to 4 pounds of H E P per head per day to increase carrying capacity of your pasture.

Produce Two-Way Cattle—Feeding limited amounts of H E P to certain ages and weights of cattle gets them fat enough to kill or fleshy enough for a short feed in the feed lot. Aim for two classes of buyers (Packers and Feeders) by feeding on grass.

GOOCH 'EM FIT TO KILL . . .

Get **HEP**
(High Energy, Protein)

THE ONLY GRASS SUPPLEMENT CONTAINING GBA-50 (GOOCH'S BACTERIA ACTIVATOR)

GOOCH FEED MILL COMPANY

Lincoln, Nebraska Salina, Kansas Council Bluffs, Iowa Dalhart, Texas



MAKE THE PASTURE YOUR FEED-LOT.

Just scatter cubes on grass. Saves labor without waste of feed. Easy to feed. Get HEP—GOOCH Your Cattle.



SAVE TIME, LABOR, MONEY.

Have feed delivered direct to your ranch or feed house. Ask your nearest Gooch dealer for this service. Get HEP—GOOCH Your Cattle.



GET CATTLE TO MARKET EARLY!

This year, specialists report, hitting an early market may be more important than in previous years. Get HEP—GOOCH Your Cattle.

FREE GRASS ANALYSIS TELLS FEEDING VALUE OF YOUR GRASS

Each year, the GOOCH nutritional research staff gathers grass samples from every section of Kansas and Oklahoma—all major varieties. The samples are analyzed each month and reports issued. You're welcome to this valuable GOOCH service which includes recommendations for supplemental feeding. In nearly all cases, you'll find the recommended amount of H E P makes up for any deficiencies you're likely to find in your grass. Just fill out and mail coupon below.

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Please send me at no cost or obligation your complete monthly pasture grass analysis with supplemental feeding recommendations.

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Something Doing In Finney Creek Watershed

"By setting goals as a group we will greatly speed up application of soil and water management practices," says Chairman Lyndon Rundle

By DICK MANN

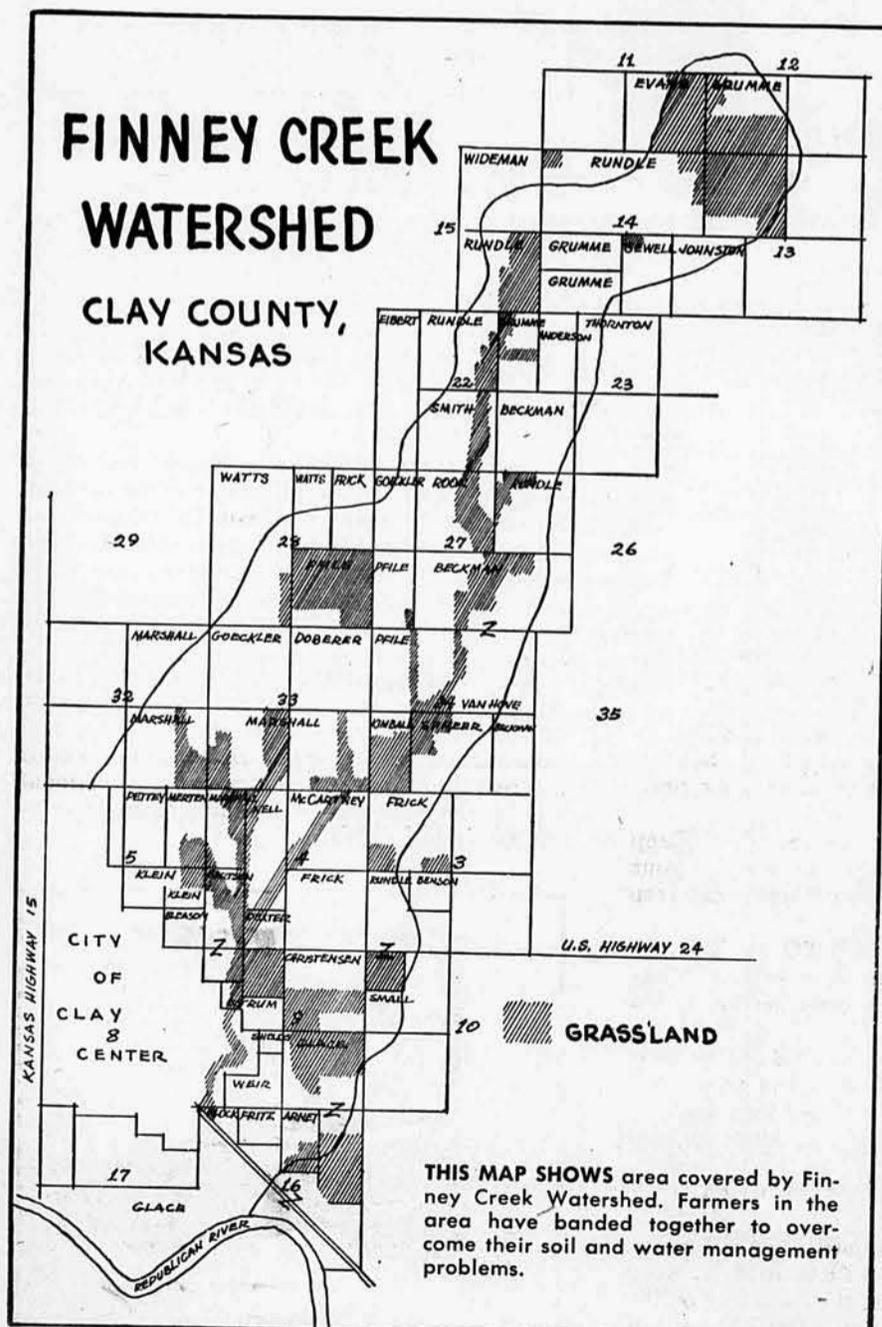
ONE OF THE MOST encouraging trends in Kansas agriculture these days is the voluntary and informal organization of farmers in dozens of small watersheds. Object—to solve their soil and water problems together. A good example of what is taking place is found in Finney Creek Watershed, in Clay county. This small watershed is only 5 miles long, comprises about 8,000 acres and is owned by 48 landowners.

Several months ago Lyndon Rundle and a few of his neighbors in the upper part of the watershed got to talking about their mutual soil conservation problems. They were at a meeting in the Hayes Methodist Church, northeast of Clay Center.

As a result of this discussion, Mr. Rundle approached Earl Nichols, Clay county work unit conservationist, with a request that a meeting be called for farmers in the watershed area; and that someone from SCS be present to fully explain the watershed treatment program.



EFFECTS OF UNCONTROLLED RUNOFF on a cornfield in Finney Creek Watershed are discussed by Lyndon Rundle, right, and Earl Nichols, Clay county work unit conservationist, following a 3.57-inch rain.



This meeting was held at the Hayes church on February 16, 1953. The area conservationist, B. K. Geraghty, of Manhattan, explained the watershed program and outlined advantages and disadvantages of a watershed organization. At the end of this meeting the 12 to 15 farmers who attended elected a steering committee to prepare a plan of action and a timetable. Lyndon Rundle was selected chairman, Roy Anderson and Jake Glace, members of the committee, and Earl Grumme historian.

This committee lost no time. On March 16, it met with Clay County Soil Conservation District supervisors to request recognition as a watershed group. The board of supervisors agreed to provide assistance and appointed Charles Down their representative in the watershed.

Next task for the steering committee was to prepare a schedule of major objectives in the watershed and a timetable for achieving them. Here is the outline they adopted:

All land treatment to be completed in 5 years (by 1958). Conservation needs to be determined as soon as possible.

1. Twenty-five per cent of cropland in legumes—1,500 acres, by end of 1954.
2. All waterways established by end of 1956.
 - A. All waterways surveyed and marked by end of 1953.
 - B. All waterways shaped and seeded to cover by end of 1954.
 - C. All waterways shaped and seeded by end of 1955.
3. All terraces having natural outlets available constructed by end of 1954.
4. All Class VI land established to perennial legumes and grasses by end of 1958.

The plan of action includes (1) making colored movies of the watershed annually to show progress; (2) establishing grass plots of adapted grasses (already done); (3) locating 2 rain gauges (already done); (4) erecting watershed boundary signs (already done); (5) preparing an historical record, and (6) district signs on each co-operator's farm.

A valuable first move was to call all landowners and tenants together in a neighborhood meeting on March 24. There soil conservationists explained the classes or types of land in the watershed and the capabilities of each class or type of land. Each farm then was visited by the group to look over water management problems firsthand.

Here is what farmers attending the March 24 meeting learned about their watershed. At present 1,764 acres in the watershed are in grass and 3,839 acres in crops. A breakdown of land classes disclosed there are only 624 acres of Class I land; 12 acres of Class II; 4,048 acres of Class III; 476 acres of Class IV, and 980 acres of Class VI. The other 600 to 800 acres that make up the watershed are in the city limits of Clay Center. This list shows bulk of land in the watershed is Class III. What is Class III land? "It is land that needs

(Continued on page 14)

Kansas Farmer

News and Comment

A Great Adventure

OFF ON THE FIRST leg of his journey to Lebanon and Syria, Don Weixelman, of Louisville in Pottawatomie county, sent us an interesting letter from New York. You will find it in this issue of *Kansas Farmer*. And watch for other letters from him during the summer. John Ferrell, of Mt. Hope in Sedgwick county, leaves a little later for India. He also will write letters to you thru your *Kansas Farmer*.

These 2 fine young men and 9 other young men and young women from Kansas farms go overseas in the International Farm Youth Exchange project, familiarly called IFYE. Its purpose is to give our farm youth an opportunity to learn how farm folks in other parts of the world live, and become acquainted with their problems. Also, and equally important, it gives people our young folks meet and live with a much better understanding of what kind of folks our farm families are and the problems they face.

Is it doing any good? Nadine Entrikin, of Abilene in Dickinson county, delegate to Finland last year, was delighted and surprised to receive a telegram from Finland recently. It was from the 4-H department in Finland, congratulating her on graduating from Kansas State College. Isn't that encouraging evidence that friends once made are not forgotten?

This is a 2-way exchange program. Goal for 1953 was set at 135 two-way exchanges. Since the project started in 1948, we have sent 279 delegates from the United States to other countries, and 217 farm youths have come to the United States from other countries.

The IFYE program calls for delegates to share their experiences with youth groups, rural organizations and civic clubs in their county and state. Reports from former IFYE delegates indicate they have given more than 23,000 talks to some 2,200,000 people in the United States. In addition, they have given 3,000 radio talks, made about 550 television appearances, and have written or had written about them 15,000 articles for various publications. Since 1948, *Kansas Farmer* has been bringing you letters from IFYE delegates going overseas. If you have read any of these articles, heard any of the talks or know any of the delegates, chances are you feel more friendly toward the countries they visited. Now, it just stands to reason foreign farm youth create a similar friendliness among the peoples of their homelands, when they talk and write about their visits to the United States.

Get out your map and look up the countries participating in the 1953 IFYE program. Here they are: Argentina, Australia, Austria, Belgium, Bolivia, Brazil, Chile, Colombia, Costa Rica, Denmark, Ecuador.



Egypt, *England-Wales, *Finland, *France, *Germany, *Greece, India, Ireland, Israel, Japan, Lebanon.

*Luxembourg, Mexico, Morocco, *Netherlands, New Zealand, Nigeria, N. Ireland, *Norway, Philippines, Portugal, Ruykuy Islands, Scotland, *Sweden, *Switzerland, Syria, Tunisia, Turkey, Uruguay, Venezuela.

You will note stars before the names of a dozen countries. These are the countries from which Kansas IFYE delegates have written letters to you thru *Kansas Farmer* since 1948. This year, as you know, we add India, and Lebanon and Syria. It is a worthwhile project—aimed at understanding—and peace.

Farm Safety Week

YOU WILL HEAR more about this later. But President Eisenhower has proclaimed National Farm Safety Week for 1953 will be July 19 to 25. All persons and organizations interested in farm life and welfare are urged by the President to take part in observance of this tenth national event.

When Farm Safety Week idea started back in 1942, only 2 states had farm safety committees. Now 28 states have them, all active and doing good work. Kansas is among the 28, and because of excellent work of the State Board of Agriculture, is used as an example for other states to follow. Kansas was first to present figures on farm accidents and to reduce them thru a public campaign.

"Mental alertness, know-how and a common-sense attitude toward farm safety are more essential to safety in agriculture than a long list of rules and regulations," said Maynard H. Coe, director of the farm division of the National Safety Council, in discussing Farm Safety Week.

For the sake of being specific, however, he listed the National Safety Council's ten commandments for farm safety, as follows:

1. **KEEP MACHINES IN GOOD REPAIR:** Make sure your equipment is in safe working condition. Keep all guards and safety devices in place.

2. **OPERATE TRACTORS SAFELY:** Start tractors smoothly and turn corners slowly. Avoid ditches, banks, and soft ground.

3. **KNOW AND OBEY ALL TRAFFIC LAWS:** Be a safe, careful driver, and drive a safe car.

4. **BE FIRESIGHTED:** Don't smoke around the barn. Don't start fires with kerosene. Be careful with matches.

5. **SPEAK TO ANIMALS WHEN APPROACHING THEM:** Animals may "bolt" if startled, so calmly assure them of your presence when approaching.

6. **BE A GOOD HOUSEKEEPER:** Keep things systematic in your home and on your farm. Have a place for everything and keep everything in its place.

7. **WATCH YOUR STEP TO PREVENT FALLS:** Keep ladders in good repair. Make sure barn floors have no treacherous holes. Watch your step.

8. **FOLLOW SAFETY INSTRUCTIONS:** Following printed instructions can save your life. Read and heed them whether they are "No Smoking" signs in the barn, or labels on machinery.

9. **KNOW AND OBEY WATER SAFETY RULES:** Don't swim alone. Know the depth of water before diving in. Sit still in small boats.

10. **APPLY FIRST AID PROMPTLY:** Keep first-aid kits in the home, in the barn, and on the tractor. Seconds count when infection may set in.



"Book of happiness: Dad's pocketbook!"

"An optimist is a man who decides to marry the leader of a woman's debate squad."

"Fairy Tale: Once there was a baby contest and every mother there was happy with the decision."

"Some people cause happiness wherever they go—others whenever they go."

"Sometimes a wife will forgive her husband's past if he comes home with a present."

"I can't work with my coat on."—Henry Ford.

"It's true only good husbands are henpecked, as the mean ones wouldn't stand for it."

"A person can have too many irons in the fire and not enough iron in his system."

"A big problem in parking your car in a busy downtown section is getting your car out of a line like this."

"Happiness in life is usually found by the man who is looking for something else."—Henry Ford.

"Summer has set in when your chair gets up when you do!"

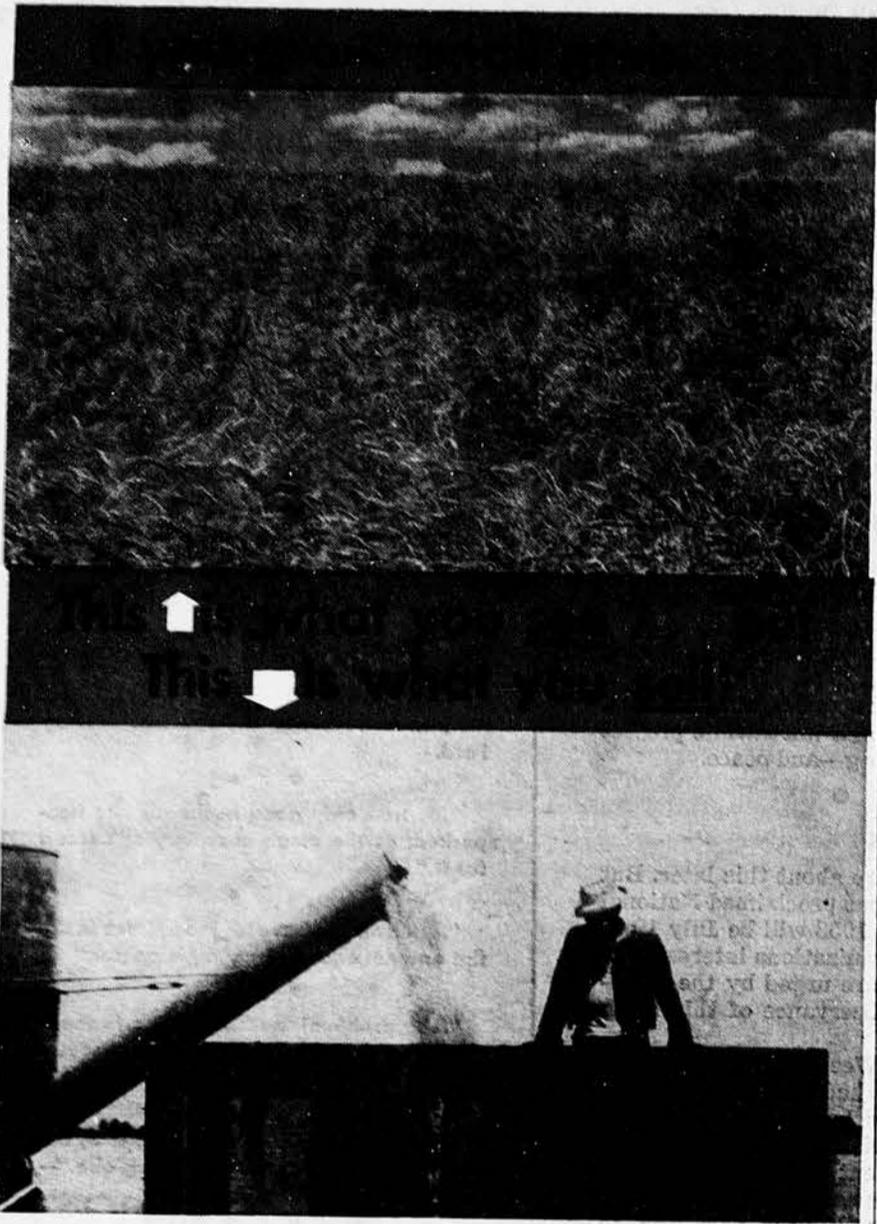
Big Dairy Show

NOW THERE IS to be an International Dairy Show. It will be held for the first time October 10 to 17, in Chicago's big amphitheater where the International Live Stock Show is held every winter; same place that housed the most recent Republican and Democrat political conventions. It will be prepared to house 2,500 head of dairy cattle including 6 breeds—Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey and Milking Shorthorn.

And mark this! Picked as one of 6 nationally prominent judges to tie the ribbons at this nation-wide show is J. H. Hunter, of Geneseo, Kan., who will judge Milking Shorthorns. That is an honor to Mr. Hunter and to the state. Good advertising, too. Folks will be saying, "So the great wheat state of Kansas also is a dairy state."

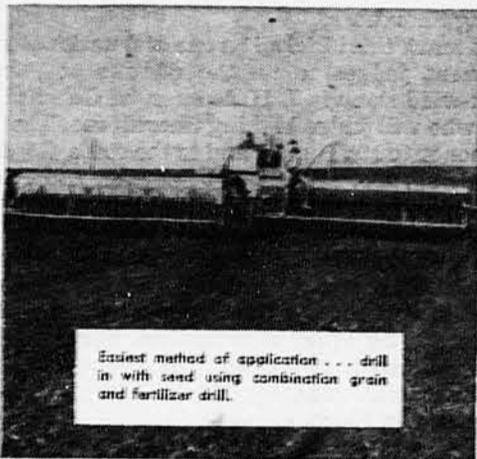
Rules and regulations will be ready by early summer. Cash prizes of about \$5,000 will be offered in each breed. Numerous trophies will be awarded by breed associations. For added interest there will be industrial and educational exhibits on milk and its products. Also a world-championship rodeo.





Why **Anaconda** TREBLE SUPER PHOSPHATE

shows up best in your bank account:



Easiest method of application . . . drill in with seed using combination grain and fertilizer drill.

Phosphate, essential to the seed of any plant, benefits small grain . . . especially in test weight.

Wheat, growing, looks mighty pretty. Well filled heads, and plump, sound kernels pouring into the wagon box look even prettier! And the payoff for phosphate shows up in your bank account . . . as much as 3 to 5 dollars in increased revenue for each dollar spent on Anaconda Treble Super Phosphate.

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Write us your name and address on a postcard and send it to the

box number below. We will send you, absolutely free of charge, the 32 page book *Pay Farming*. A very complete crop and soils book. Loaded with pictures and facts about plant food for your crops. Rates of application, results, etc. Send for it today!



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Look in your bank account for best proof that Phosphate pays!

Thoughts TO LIVE BY

"Hints on Happiness"

WE SPENT BILLIONS of dollars discovering how to release atomic power. Great universities are teaching men how to accomplish technical wonders in the engineering fields. In the material realm, we have come to realize the importance of know how. But in other realms, the matter is given little consideration. Nearly everyone believes in religion, but do many people know how one becomes religious? Most people want to be happy, but who knows how? Let's wrestle with the second question.

Joseph Addison has given us the answer in outline form: "The grand essentials to happiness in this life are something to do, something to love, and something to hope for."

It is the busy person who is happy. When one has time to mope over unhappiness, he is on the wrong track. Read about Edison in his laboratory. He was so lost in his work he had no time to think about happiness. When one is happy, he is hardly aware of it. In one way, happiness resembles health. A person becomes aware of it when he loses it. Otherwise, he doesn't give it a thought.

Time and again, some bereaved person has found work to be a great blessing. If one idly gives sorrow a free hand, he can be destroyed by it, but if he constructively occupies his hands and mind, he can master his grief. And his work can provide him passage from the depths of despondency to the heights of happiness. The first step toward happiness is to lose oneself in some soul-satisfying, worthwhile activity.

The second step is to love something or someone. Too many people are concerned about being loved. That, of course, is good for the ego, but it doesn't make for happiness. Some people are affectionately pur-

sued by friends they would like to avoid. St. Francis prayed, not that he might be loved but that he might love. And in the love he bestowed upon others, did he not find happiness? Some people lavish their love upon a pet, a dog or cat. Some concentrate it upon a certain individual, perhaps a son or daughter. Many are afraid to love for fear their love will be spurned or betrayed. That is the risk one must take, to be sure. Fortunately, there is a Friend who does not fail, who loves us more than we can ever love Him. One can love Him without reservation and find the greatest joy in his service.

The third step toward happiness is anticipation, "something to hope for." Hoping to be as pretty as possible, a bride spends hours shopping for a dress, altering, and pressing it. She wears it for only a couple hours, and it is seen by the groom and her friends for only a few minutes. But oh the joy she has as she secretly selects or makes that dress! Or look at the man who plans his house. Can he possibly enjoy living in it as much as he enjoyed watching it under construction? A reformer may have a similar experience. When his point is finally won, he may experience a "letdown." Citizens of the Kingdom of God are fortunate here. They are constant crusaders engaged in a task that will never be wholly completed in this life. But we believe His Kingdom will come. We hope for its coming as the sufferer hopes for the dawn. And in that hope we find happiness. —Larry Schwarz.

P.S.: So many readers and friends sent me cards and letters during my illness I have been overwhelmed and unable to answer them personally. They were greatly appreciated and I thank everyone who took time and trouble to befriend me so graciously in my illness.—L. E. S.



Dwight Hull SAYS . . .

Better Advertising Campaign Urged for Dairymen

OUR CONGRATULATIONS to the Kansas Farm Bureau for good work in sponsoring a state-wide meeting in the interest of dairying. Much credit for the success of this meeting goes to E. E. Stockebrand, who is commodity director for the Farm Bureau.

To get several hundred dairy farmers from all over the state to attend a 2-day dairy meeting in a very busy time in June is quite an achievement in itself. However, we were treated to a very excellent program and considerable lively and worthwhile discussion.

This meeting was a little different than many meetings, in that we didn't just listen and have a nice banquet and then go merrily on our way home. But the thinking of the group was pretty well crystalized and spelled out in the form of 5 resolutions.

In my judgment the most important resolution, and the one most likely to have immediate action, was the first, which is: "Recognizing the basic need for a greater sales promotion and pub-

lic relations campaign, we recommend that the State of Kansas start co-operating 100 per cent on the national ADA program of deducting 1/2 cent per pound butterfat or 2 cents per hundred pounds on whole milk on a year-around basis beginning August 1, 1953."

Of course, the over-all program, to a large extent, emphasized the need and value of advertising dairy products. If

(Continued on Page 7)

Home Freezing Circular Available

For free information on home freezing of dairy products, poultry, meats, fruits and vegetables, send for "Home Freezing, Circular 230," by Kansas State College Extension Service. Write to Farm and Home Service Editor, *Kansas Farmer*, Topeka.

Every Kansas dairy family could have heard "Alice of Dairyland," by Beverly Ann Steffen, of the Wisconsin department of Agriculture, as she very impressively told us some of the things Wisconsin is doing to advertise dairy products, and the speech by E. W. Fiedeman, AFBF director of dairy commodity department, as he forcefully emphasized the need of a greater sales promotion and public relations campaign, I feel confident their vote would also be for adoption of this resolution.

Unfortunately such a situation could

Thank You

We take the *Kansas Farmer* and like it very much as there is a lot of good advice in it.—S. H. Stewart, Rt. 4, Sumner Co.

not be and many, many dairymen and handlers of dairy products have not yet caught the vision of what might be done to increase consumption of dairy products thru advertising.

Why should we dairymen be taking \$1 a hundred less for our milk today than we did 6 months ago. Labor has not come down; machinery, trucks and other things a farmer buys have not been reduced in price. It's all because we have a little more milk than the market ordinarily consumes. "Alice of Dairyland" as she is called during her reign as queen, told us it was not unusual to increase consumption of dairy products as much as 60 per cent in places where she and her assistants have made intensive campaigns.

Too Little for Our Product

We have so much to offer the consumer in the way of nutritious, healthful food. It's a product that cannot be duplicated, yet we all are taking too little for our product, simply because we do not have a modern, up-to-date, complete advertising program. Such a program would inform the housewife everywhere, every day what milk and milk products can do for her food budget and the health of her family. But everywhere, every day she listens to the sales appeal of other products that have less to offer from an economical, nutritional standpoint. Why should we take less for our product when it's already the cheapest food value on the market? The answer is simply that the housewife or the consumer has not been convinced because she has not been told often enough and in the right way.

Our public relations are poor. Very often news stories and even editorials in papers are unfavorable to dairy interests. We are greatly in need of a program that will help build better public relations. Meetings like the Farm Bureau meeting help develop better public relations and in many ways create interest and enthusiasm for the dairy industry.

There is much to be done! In our opinion every county in the state should have a general dairy meeting sometime in the next 6 months to discuss the value of dairy products and the necessity of an up-to-date sales campaign to be set up at once. It seems to me we are many years behind the times, and we should not lose any more time in starting such a program.



"To let George assert his authority, I always buy a few things I intend to send back."

DANNEN

HUNKETS

YEAR 'ROUND HEAVY MOLASSES FEED

ORMEL MARTIN of Smith Center, Kansas, reports:

"Average daily gain of 2.72 lbs. for 180 days feeding on DANNEN Feeding Program!"

"On October 24, 1952 I purchased 135 choice quality yearling Hereford steers, averaging 680 lbs. I fed these steers 5 lbs. ear corn, silage, and three pounds of Dannen Steer Producer "A". They also cleaned up some corn fields. I put these steers in the dry lot December 15th. I gradually took the silage away and added cracked shelled corn. I replaced the Steer Producer "A" with 3 lbs. 12% Thrifty Hunkets, and fed 3/4 lb. of Dannen 41% Meal. On April 24th, I weighed these steers out of the lot at an average weight of 1170 pounds for a daily gain of 2.72 lbs. for the 180 days of feeding. I recommend Dannen Feeds very highly and find they are very economical."



Get TOP GAIN at low feed cost!

HUNKETS

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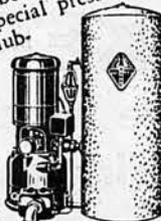
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Jacuzzi jet water systems give you that extra water and pressure needed for home laundries, dishwashers, showers, lawn sprinklers, and jobs like washing down dairy barns—at no extra cost. Fully patented. No working parts below ground. For lifts to 300 ft. No special pressure tank needed. Never needs lubricating. Rugged. Dealers everywhere. Don't settle for less.



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ADDRESS _____
CITY _____ STATE _____

New Fertilizer Mixing Plants Help Fill Kansas Farm Needs

By RALPH RILEY



A SCENE DUPLICATED on thousands of Kansas farms during corn planting this spring. In the picture, Clifford Cox, living near Eudora, is pouring fertilizer into hoppers on his corn planter. With any kind of favorable weather this season, Mr. Cox could expect 100 bushels an acre on this rich Wakarusa valley land.

ONLY 2 or 3 states in the country have more cropland than Kansas. By the same rule of thumb, there are only that many states which have more individual worries about weather and soil problems than we do.

Maybe that's the reason fertilizer manufacturers are taking such a tremendous interest in the state, notably in the last few months. The kind of interest they are displaying is in the form of new mixing plants where they are able to hurry up plant food deliveries to their immediate trade areas with speed unheard of a few years ago.

At this time there are 7 mixing plants in operation, whereas 5 years ago there was only one. And no count has been made of others built along Kansas boundaries in other states that plan to get a share of our business.

Here is the list as well as locations: Snyder Chemical Co., Topeka and Hutchinson; Farm Belt Fertilizer Company, Kansas City and Wichita; Thurston Chemical Co., Lawrence; Blue Valley Fertilizer Co., Marysville; and Kansas Agricultural Chemical Co., Junction City.

Product in Big Demand

And there's the "granddaddy" of them all speaking of size, of course, Spencer Chemical Company's nitrogen plant near Pittsburg whose product is in such demand, both from mixing plants and dealers who sell direct to farmers, a customer has to "wait his turn" to get a supply. This situation may be relieved in the near future since other companies in neighboring states are building plants.

It should not be inferred other companies outside of Kansas have been letting state concerns monopolize distribution and sales. Such trade names as Anaconda, Armour, Swift, Triple-A, Phillips Chemical, Crawford and many others now are familiar.

Since Kansas application of fertilizer is rather low on a per farm basis compared with a lot of other states, most all companies selling in Kansas are more than willing to co-operate on an educational campaign to point out in every way possible that use of fertilizer is an investment rather than expense. Dealers, of course, are co-operating as well as the Extension service of Kansas State College.

The increasing number of local soil testing laboratories over the state makes it possible for every prospective purchaser of fertilizer to find out what his land needs. Guesswork has largely been taken out of soil improvement program.

Perhaps the time is not far away

when there will be a general formula to express in cash returns what you can expect after use of plant food on your soil. Recently there appeared a statement by a well-known fertilizer authority on the subject:

"For every dollar invested in fertilizer for a given crop, you can expect back \$3 or \$4 as a cash bonus." Most of us would admit this would be a pretty good return for one's money.

Clark Soybean Variety Is Announced As High Yielder of Good Quality

CLARK is a new soybean variety for northern growers. High yielding and high in oil content, the bean is announced by the USDA and co-operating state agricultural experiment stations. Seed increases on 3,000 acres this year will permit release to certified seed growers next spring for a build-up of planting stocks for general use by farmers in 1955.

Clark is 11th in series of superior varieties developed for various producing areas during a period of about a dozen years. It is adapted in an area that extends thru the southern edge of the zone where Lincoln soybean now is grown and in much of the area where growers now produce the Wabash variety. Included are Northeast Kansas, North and Central Missouri, Southeast Nebraska, south edge of Iowa, southern parts of Illinois and Indiana, North Kentucky and areas of comparable climate eastward.

Newest soybean is resistant to frog-eye leaf spot disease, one of diseases causing major damage and losses in some Corn Belt localities in recent years. Lincoln and Wabash also are resistant to frog-eye. In northern part of

its adapted area, Clark is expected by breeders to be well suited as a full-season variety that can be planted relatively early. In southern part, it should be early enough to precede a fall-sown small-grain crop. Generally, Clark is about one day earlier than Wabash and about a week later than Lincoln, when grown under same climatic conditions.

In plant characteristics, Clark is medium to tall in height, usually rather erect in growth, very similar to Lincoln but slightly taller and about 7 days later in maturity. Plants have purple flowers whereas Lincoln has white ones. Clark bears its pods—medium to large, mainly 2- and 3-seeded, and brown in color—primarily on the central stem.

In yield tests, Clark has averaged 5 bushels higher than Wabash and Chief, and in most locations over the United States, even higher in yield than Perry, a week later in maturity. Clark is equal to standard varieties in oil content and in resistance to lodging and shattering.

The new variety is result of 12 years of painstaking work in crossing, selecting and testing by plant breeders. That 5-bushel increase in yield can help reduce production costs per bushel.



MAP OF AREA OF ADAPTATION OF CLARK SOYBEAN SHOWING LOCATIONS OF FIELD TESTS.

For Fun or Profit

A hobby show may interest a surprisingly large number of folks in your community. It can be given just for fun, or to raise money for any community group. For your copy send 3c to Entertainment Editor, *Kansas Farmer*, Topeka. Your order will be promptly filled.

These Folks Won In Dairy Contest

Results in the *Kansas Farmer* Dairy Judging Contests in connection with spring dairy shows have been reported by the following:

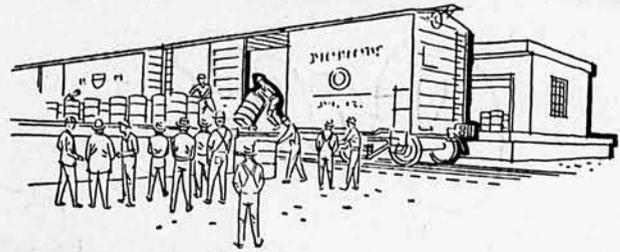
Canton 5 Brown Swiss, Topeka: Philip Bentz, Overbrook, 1st; G. A. Weeks Lawrence, 2nd; G. E. Martin, Princeton, 3rd; Elmer Cogswell, Manhattan 4th and Milan Smerchek, Topeka, 5th

Canton 1 Brown Swiss, Erie: Jackson George, Lebo, 1st; John W. Lust Iola, 2nd; Paul Timmons, Fredonia 3rd; Mrs. John Lust, Iola, 4th, and Mrs. Lloyd Boles, Burlington, 5th.

Wins Scholarship

A Kansan — Cecil Eyestone, 4-H agent in Montgomery county — is among national winners in Extension work to receive scholarships for training in human development education at University of Maryland at a summer workshop, June 22 thru July 31. Special 6-weeks training program is directly applicable to work with local 4-H and rural youth clubs.

Scholarships are made possible by a grant of \$10,500 from Sears Roebuck Foundation to the National 4-H Club Foundation.



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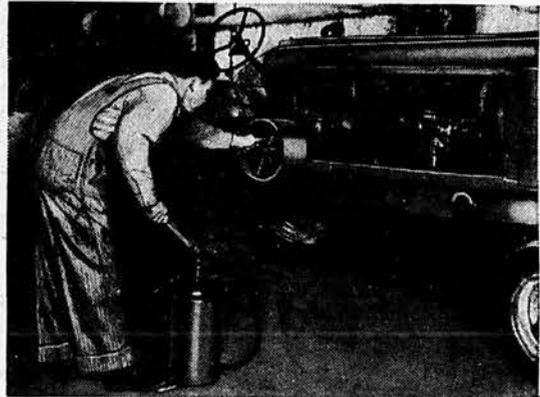
antee against future price increases, and (5) a money-back guarantee of D-X quality.

But you pay only on delivery—nothing now. So call your nearest D-X Bulk Station or Distributor and ask to have your dependable D-X Farm Serviceman call on you to tell you about new low prices and easy D-X Pool Car Sale terms. Act now—sale ends soon.



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For the 29th year D-X brings you its Pool Car Sale—the longest-established volume oil sale in the Middle West. Here's your chance to buy supplies of D-X Motor Oils and Greases to care for your needs well into the future. Act now—don't miss your opportunity for savings:



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| D-X Automatic Transmission Fluid | Faultless Axle Grease |
| Diamond Motor Oils | D-X Flo Greases |
| Power Motor Oils | D-X Brite Transmission Lubricants |
| D-X Pressure Gun Grease | D-X All-Purpose Gear Oils |
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Your **Occo** Service Man

Invites You to Try This LIVESTOCK QUIZ

Here are ten questions every stockman and farmer should answer. They're based on the latest feeding discoveries and livestock research. Knowing the answers to these questions (and doing something about it) means you can have the best and cheapest livestock operation possible. So, pick up your pencil and check the square opposite the answer which you think is correct.



If You Raise Hogs . . .

1. How many essential Amino Acids should a high-quality pig protein have:

12
 5
 3

2. Farm grains run about 2% minerals — The body of a hog is made up of:

1% Minerals
 2% Minerals
 4% Minerals

3. Last year, worms cost the hog raisers of America:

\$45,000,000
 \$22,000,000
 \$11,000,000

4. To produce 200 pounds of pork on the best balanced feeding program your out-of-pocket cost should be no more than:

\$12.00
 \$ 8.00
 \$ 2.00

If You Raise Dairy Cows or Beef Cattle . . .

5. Out of the 7500 pounds of milk a dairy cow will give in a year, minerals account for:

About 50 lbs.
 About 30 lbs.
 About 10 lbs.

6. Even though your livestock have enough Calcium and Phosphorous . . . they get no value from it, unless they also get:

A Protein Supplement
 Vitamin A
 Vitamin D

7. Which of these three roughages have the smallest amount of hard-to-digest fiber:

Corn Stalk
 Alfalfa Hay
 Bluestem Hay

8. Recent rumen feeding discoveries Raisers to:

Feed a Complete Mineral
 Feed Live Cell Yeast
 Cut Down on Protein

If You Raise Poultry . . .

9. 100-pounds of corn contains enough fat for a hen to build 273 eggs . . . but only enough minerals to build:

206 Eggs
 117 Eggs
 9 Eggs

10. The poultry ailment which costs chicken raisers the most money every year is:

Coccidiosis
 Worms
 Flu

In a few days, the Occo Service Man, who lives in your community, will call at your farm. He will go over your answers and discuss the "reason why" behind the answers. Don't feel badly if you miss a few of these questions — they're tough. Some of the answers may surprise you because they are based on the very latest feeding developments. You need to know the answers and the reasons for them . . . then you can feed better . . . feed cheaper . . . and have better doin' stock. Be sure to watch for your Occo Service Man.

SERVICE AND WAREHOUSE FACILITIES FROM COAST TO COAST

Are You Starting a Livestock Business? Try Sheep, Says Russell Pennington



OLD HOG TROUGHS converted to lamb feeders in the creep are shown by Russell Pennington, right, to Charles Hagaman, Reno county agent. Pennington is impressed with simplicity of equipment needed for handling sheep.

IF YOU WANT to start up in the livestock business and don't know what to choose, take a good look at sheep, says Russell Pennington, of Reno county.

Speaking about his livestock project, Mr. Pennington says: "Sheep are more gentle and less destructive than other types of livestock. You have less fence fixing to do than with cattle and they don't churn up your lots in bad weather as either hogs or cattle. In my case they are easier to handle than hogs when and if the lots are flooded, as they were in 1951."

While Russell is enthusiastic about his sheep and says their first 2 lamb crops have made money, it hasn't all been easy.

Found the Trouble

"I didn't know anything about sheep," he says. "Two years ago I bought 110 Texas ewes and only got 64 lambs in the first lamb crop. Part of the troubles were due to flood waters that brought tetanus into the flock. Then, I was driving pregnant ewes each day thru our sheep shed to take them from the lots or pasture to the night pen. As they went thru one door they had to make a sharp turn. Many of them aborted as the result of hitting their sides against the door. Those are some of the things you just about have to learn by experience. Even at that I made some money on those lambs."

"My second year," Mr. Pennington says, "I started with 203 ewes and got

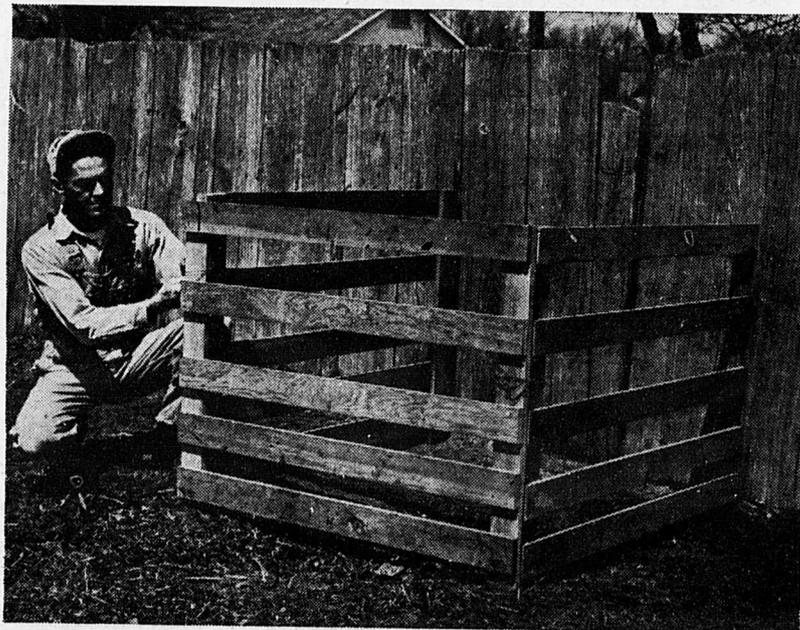
182 lambs. My main purpose in getting sheep was to build up soil fertility. To do this I have worked out an extensive pasture program. Rye is used for spring, fall and winter and I have 20 acres of rye divided into 4 fields so I can do rotation grazing. Native pasture and Sudan are used for summer. Another 20 acres of vetch and rye are on high ground that never floods and this is kept in reserve for use when needed."

Easy on Equipment

Mr. Pennington finds it doesn't take elaborate equipment to handle sheep. Some old hog troughs on the farm were converted to lamb feeders for inside the creep. Some homemade hay and grain feeders are being used, and portable lambing pens have worked well. These pens are nothing but 4-foot wood panels which, when wired together along one side of the sheep barn, form lambing pens. After the first pen is built at one end of the shed, each 2 additional panels make another pen. Ewes and single lambs are held in these pens 24 hours and ewes with twins are held 48 hours.

"When I release them I drench the ewe, trim her hooves and check or trim wool around eyes or udder. Lambs are vaccinated for tetanus. Castrating and docking are done with elastic bands and ewe and lamb are branded with same number to simplify identification later if ewes disclaim lambs. Numbering also gives operator a chance to find out

(Continued on Page 11)



TEMPORARY LAMBING pens are easy to set up, as shown here by Russell Pennington, Reno county. Ewes and lambs are held in these pens 24 to 48 hours at lambing time.

which ewes produce and raise best lambs."

One problem at Penningtons is how to save manure in lots. He is thinking about paving lots so manure can be scooped up without also removing valuable soil from the lots. "I find that in soft lots the ewe's hooves grow too fast, also, and if lots were paved this would tend to keep the hooves worn down to proper length," says Mr. Pennington.

Altho he feels that sheep are about the easiest type of livestock to care for he adds: "You can't neglect any kind of livestock. It takes a definite program and plenty of watchfulness and care."

MARKETING VIEWPOINT

By LEONARD W. SCHRUBEN

Looking over your recent bulletin entitled "Grain Market Reports," I found this statement about hedging, "... sales in the cash market are hedged by buying in the futures market." My question is this. Why don't wheat farmers sell their wheat at harvest in a year like this when storage is short and buy back on the futures market? Is there a risk involved?—Mrs. E. S.

Some farmers do use the futures market in a way you indicate. They sell their cash wheat from the combine and buy the same number of bushels of wheat on the futures market by posting a margin. This type transaction can be explained by your banker or your local elevator operator. There also are pamphlets available explaining futures trading which I will be glad to order for you.

In a situation such as this year there is a sharp discount for cash wheat in the local market. It does not appear likely such a discount will be made up in the futures market, during this season. This means, then, farmers would not realize as much from their wheat if they sold it from the combines and bought futures back as they could by storing that wheat and holding it for sale at a later date or for placing under the government loan.

Altho wheat prices usually advance following harvest, it does not appear as if they will equal the loan rate for very much of the coming season, if at all.

One error frequently made in transactions such as you describe is a farmer sells wheat and collects full payment. He then takes all the money from his wheat crop and buys futures on the margin. At present this operation increases the risk assumed by the farmer by about 10 times. In other words, if prices go down 10 cents on the futures market, it hurts the farmer who makes this mistake as much as if the price went down \$1 per bushel on farm-stored grain.

Anyone contemplating buying or selling in the futures market should make a careful study of cash and futures price relationships that have prevailed for the last few years. An understanding of the futures market requires careful study, and an understanding of the way the market operates is just as important as it is for other enterprises.

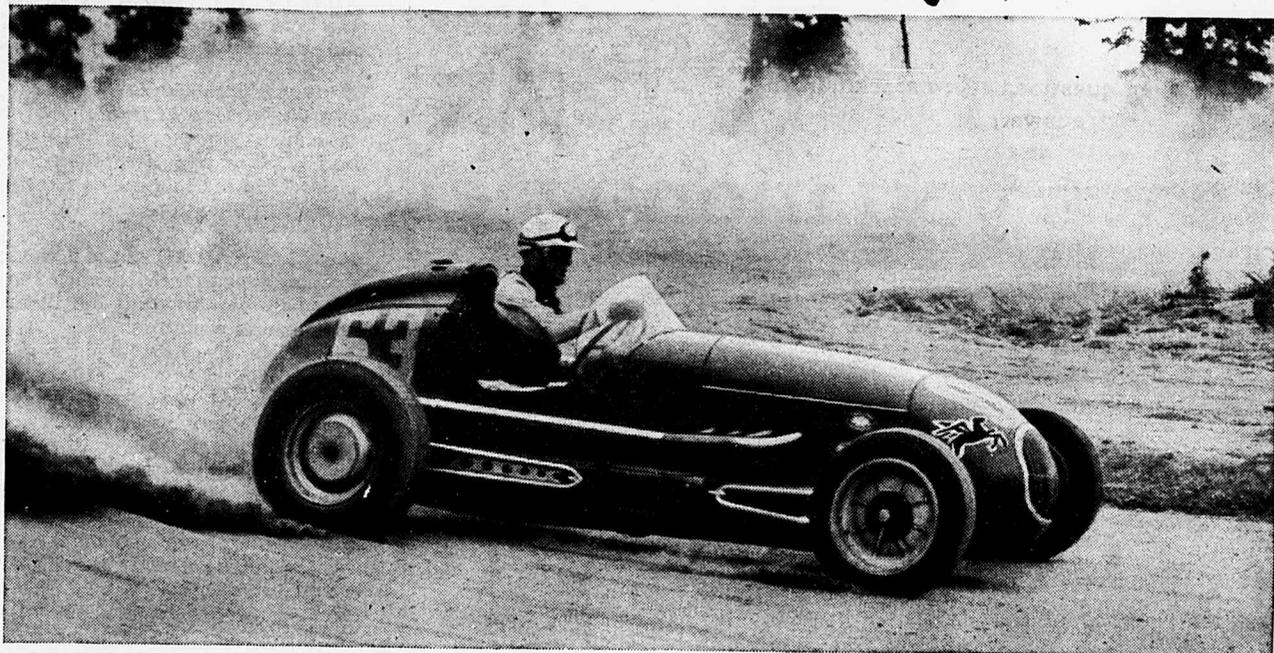
Pastures Are Full

Mid-June report of U. S. Bureau of Agricultural Economics and the State Board of Agriculture on cattle on pasture in Flint Hills and Osage sections of Kansas and Oklahoma show pastures fully stocked with record number of cattle and calves, as nearly 6 per cent more animals were wintered over than in 1952.

Spring receipts are estimated at 301,000 head, compared with 340,000 in 1952, and some 361,000 in 1951, and the 10-year (1942-51) average of 359,000 head. Estimated number of all cattle and calves in the 2 sections on January 1, 1953, was 1,048,000 head, compared with 992,000 head on January 1, 1952, some 890,000 in 1951, and the 10-year (1942-51) average of 770,000 head.

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Skidding around hairpin turns . . . roaring up steep grades—George Hammond climbed twelve tortuous miles in 15 minutes, 30.6 seconds to win the annual Pikes Peak race. Like 2nd and 3rd place winners Louis Unser and Al Rogers, Hammond used Mobiloil.

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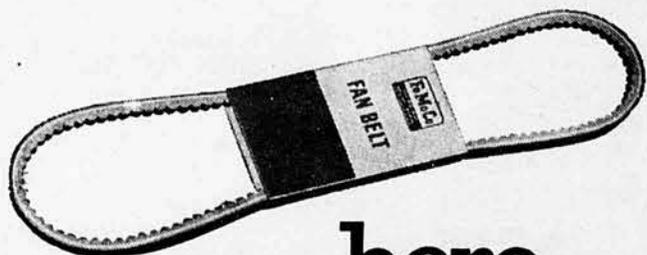
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Insist on these savings

Available at all Ford Dealers and the selected independent garages where you see this sign.



KEEP YOUR FORD ALL FORD

125 Bushels of Wheat an Acre!

. . . J. W. Turrell, of England, world-champion grower, tells Kansas Farmer editors how he farms, what it costs, profit he makes



A TYPICAL HARVEST SCENE on the W. Turrell farm, England, which produced the 1952 world-record wheat yield of 125 bushels an acre. Mr. Turrell visited Kansas in June as a guest of Capper Publications.

Editor's Note: This is first of 2 articles on farming in England as told to Kansas Farmer by W. Turrell and W. Burt, English farmers who visited Kansas in June as guests of Capper Publications.

KANSAS FARMERS got a kick out of swapping ideas recently with 2 English farmers here to study our farming conditions and practices.

One of the English farmers, J. W. Turrell, of Kings Lynn, was 1952 world-champion wheat grower with a yield of 125 bushels an acre on 9 acres. Average yield in England is 40 bushels, altho 80- to 100-bushel yields are not uncommon in Mr. Turrell's area. The big yield was made with a variety of beardless winter wheat called Hybrid 46, which got its name for the year it was first introduced.

Hearing of his tremendous wheat yield, farmers in America became interested in both Hybrid 46 variety and Mr. Turrell's methods of farming. Could his wheat yield be duplicated in America? One big wheat farmer in Oklahoma, Robert French, decided to find out. He ordered a sample of the wheat which this year was put out on test on his farm. He then invited Mr. Turrell and his friend, a neighboring farm leader by the name of W. Burt, to spend a month on the French ranch near Boise City, Okla., for an exchange of ideas.

Studied Kansas Conditions

Under sponsorship of *Capper Publications*, the 2 men then were brought to Kansas, where they spent a week studying Kansas farm conditions, climate, soils, and farming practices. During their week in Kansas they attended the Kansas Experiment Station agronomy field day, at Manhattan, as guests of *Kansas Farmer*.

While here, Mr. Turrell announced at least one test of his championship wheat was being made in Kansas. "A bushel of Hybrid 46 seed wheat was purchased this year by Herbert A.

Holmes, of Winchester," he says, "and I presume he went ahead and tested the variety to see what it would do here. Hybrid 46 has a much larger and stiffer straw than anything we have seen in Kansas and a much larger berry. When we visited the sample plot in Oklahoma in May, this English variety looked as good as it would back home at the same time of year, and was about the only wheat on the French ranch that looked like it would produce any grain. Everything else was dead or dying because of the drouth," Mr. Turrell explained.

It's Nothing Like Kansas

If you looked the world over you would have difficulty finding farming conditions and practices so foreign to those of Kansas as can be found on the Turrell farm. His farm consists of 220 acres, of which 10 acres are in grass and the rest in crops.

All of the Turrell land is 5 feet below sea level and was actually reclaimed from the sea by the Romans 2,000 years ago. "This land has been plowed every year since and it is better now than it was when cultivation started," says Mr. Turrell.

Altho rainfall in the Turrell area is only 24 inches a year, much less than in Eastern Kansas, getting rid of the rainwater is a major farming problem on the Turrell farm. "All of our land is underlaid with drainage tile," he says, "and a series of 70 small pumps in the neighborhood carry drainage water to a central pumping station that pumps it back out to sea. Pumping costs average \$5 an acre a year." In addition to rainfall of 24 inches, Mr. Turrell says, heavy dews occur on at least 160 days of the year and provide possibly 8 inches of additional moisture.

These heavy dews make haying difficult and combining small grains impractical.

Soil on the Turrell farm is heavy and has a tendency to pack. After 2 espe-

(Continued on Page 13)



HERE MR. TURRELL, kneeling at left, and his neighbor, Mr. W. Burt, standing at left, check on May 1 a sample of the Hybrid 46 world-record wheat variety being tested on the Robert French ranch in Oklahoma. A sample of this English variety also was tested in Kansas.

cially wet seasons in succession Mr. Turrell found it was impossible to plow one field by ordinary means because the soil was so hard. The solution was to hire 2 large steam engines and to put on each side of the field. By means of heavy steel cables a special-type plow was pulled back and forth across the field until the job was complete.

"We operate on a very tight cropping schedule," says Mr. Turrell, "and getting our land plowed on time is so important we sometimes can't wait for favorable conditions."

Rotation and Fertilizer Did It

Credit for the record 125-bushel wheat yield, thinks Mr. Turrell, goes mostly to what he calls "a 4-course rotation of wheat-sugar beets-potatoes-and seed peas," and heavy fertilization with both barnyard manure and mixed commercial fertilizers.

No green manure is ever plowed under as the English farmer in the Turrell area needs to raise cash crops every year. However, in addition to rotating crops, plowing depths also are altered.

"Each field is plowed 14 to 16 inches deep every year," says Mr. Turrell, "but every 5th year we plow 20 inches deep to break up the plow pan and improve drainage."

The 4-course rotation followed by Mr. Turrell requires a tremendous amount of equipment. "We need 10 times as much equipment as the Kansas farmer," says Mr. Turrell. On his 220-acre farm he maintains 9 tractors and a list of his equipment includes 72 major implements or pieces of equipment, plus 4,000 potato trays and 500 tripods on which peas are dried. He also hires 8 full-time hired men and special crews of extra workers during certain seasons of year.

The Way They Farm

Work schedules on the Turrell farm are terrific by Kansas farm standards, even under irrigated conditions here. We had Mr. Turrell run thru a year's farming schedule for us and, barring some minor errors in retelling, we believe you will find it intensely interesting. Here it is as he tells it:

"The first thing we do in spring is work 10 to 20 acres of land down for oats and barley. These grains are for cattle feed and are outside the main rotation. When these are drilled it is time to work soil for peas, with seedbed preparation being similar to that for oats and barley. Peas are seeded 224 pounds an acre in 16-inch rows. After all seeding of peas is done the machinery is oiled, repaired, and stored under cover. We keep all machinery covered when not in use.

"Next we must comb our sugar beet field with heavy harrows and broadcast commercial fertilizer at rate of 1,344 lbs. an acre. Our fertilizer company (a co-operative) takes the soil samples we provide and makes up the fertilizer mixture we need.

"After fertilizer is applied we finish cultivation by going over the field 5 or 6 times with small harrows and finish up with an 18-foot roller to pack the soil to seedbed depth. Otherwise seed may be drilled too deep. Beets are drilled 15 pounds to the acre in 20-inch rows.

"By this time we need to be getting our potato land ready, which we do with heavy harrows and applying fertilizer at rate of 1,900 to 2,000 pounds an acre. We finish cultivating with drags and harrows, then plant with a planter pulled by a crawl-type tractor, with 3 men on a planter.

"Peas then are ready to hoe and take both machine and hand labor to keep

clean. Next to be cultivated are potatoes. We use a row-crop cultivator with hand hoeing between plants in the row.

"Sugar beets are cultivated with a beet hoe and everybody, including tractor drivers, joins in the job of hand-thinning. Beets must be hand-hoed after thinning.

"After beets are taken care of our tractor drivers go back to cultivating potatoes and hoeing peas. Sugar beets will need hoeing again when they have finished the potatoes and peas.

"About this same time we also go thru the wheat, oats and barley and hand chop any weeds that exist.

"We usually start digging our early potatoes about June 15 and continue until wheat harvest about August 10 or 12. By the first week in August peas are ready to cut and are put on tripods to dry for 30 days.

Cut Wheat With Binders

"All wheat is cut with binders and shocked to be left until September. In September, when threshing starts, that wheat we plan to use for seed is immediately threshed and sent to the seed merchants for cleaning and preparing for sale. The rest of the wheat, barley, oats and peas are hauled to a stack yard and put in stacks which are thatched with wheat straw.

"Remainder of the threshing is done during winter as we need cash or straw. As soon as wheat land is clear we chisel up stubble and let it lay until October, when it is plowed under.

"Digging the main crop of potatoes begins about October 1. Potatoes are placed at harvest time in long piles on the ground and "strawed down" until marketed. Marketing is done over a 2- or 3-month period.

"Our next big job is to harvest the sugar beets and the final job of the fall is to seed our wheat for next year. We seed at rate of 2 1/2 bushels of wheat an acre."

Farming Costs Are High

While yields of all crops on the Turrell farm are whopping compared to dry-land farming, costs of operation are proportionately high. Wheat normally makes 80 to 100 bushels an acre but costs about \$90 an acre to produce. Oats and barley yield 100 to 120 bushels an acre with costs about the same as for wheat. Potatoes yield 14 to 16 tons an acre on the main crop and 8 tons on the early crop, with costs zooming up to \$240 an acre. Sugar beets yield 14 to 16 tons and cost about \$150 an acre to produce. Peas produce 10 to 12 combs (each comb is 240 pounds) an acre and cost about \$90 an acre.

For all this labor and expense, Mr. Turrell comes out at the end of the year with about \$8,000 to \$10,000 profit before taxes. Of this amount the government takes \$3,000 to \$4,000. However, there are no additional real estate or personal property taxes to pay. Additional taxes are in form of "purchase taxes" and at one time ran as high as 100 per cent on such things as refrigerators and cars.

In an early issue of *Kansas Farmer* we will bring you a visit with Mr. W. Burt on his method of handling beef cattle, and on marketing and economic problems English farmers faced during war and the changes taking place now.

For Roasting Ears

By saving keys from coffee and shortening cans, I have dandy, handy handles for holding roasting ears. The keys are stuck in each end of the cob. This is much more convenient and much less messy.—Mrs. H. E. Watkins.

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Entomologists of U. S. Department of Agriculture are using radioactive insects and insecticides. They want to find how far and how rapidly insects fly, how an insecticide kills an insect, and how some insects (particularly houseflies and roaches) develop resistance to insecticides.

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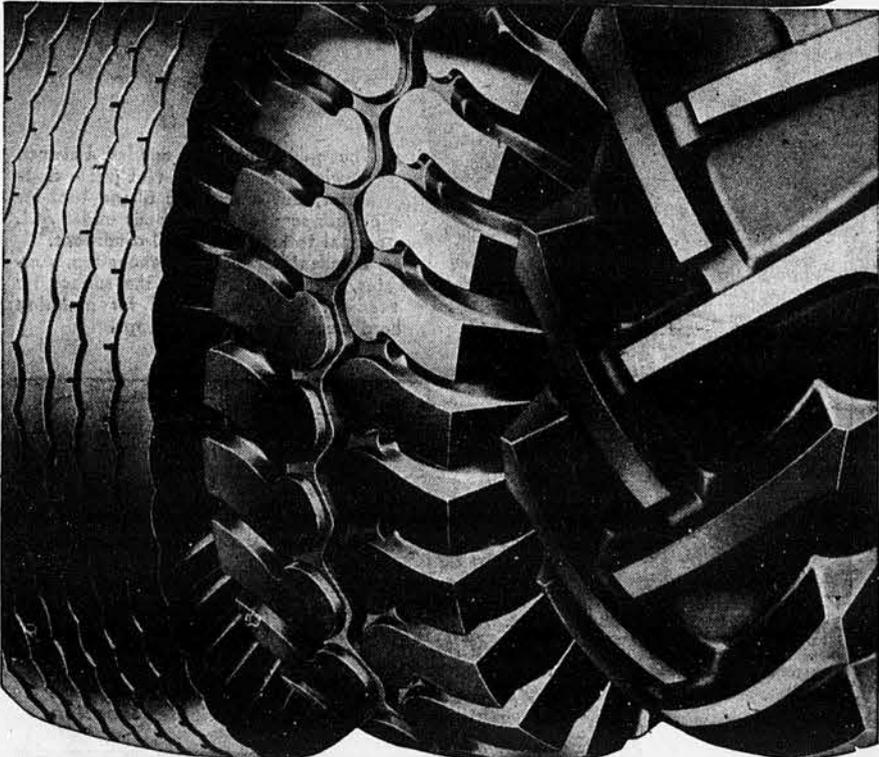
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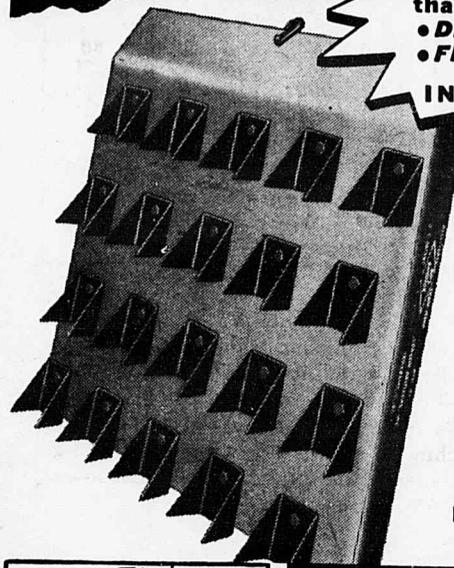
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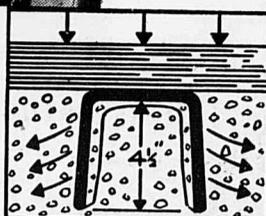


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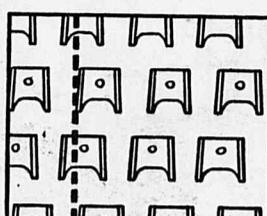
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Something Doing in Finney Creek

(Continued from Page 4)

intensive treatment with all the practices in the book to maintain fertility and prevent erosion," says Earl Nichols, work unit conservationist.

A further breakdown of the watershed area has shown farmers living in it exactly the condition the watershed is in today, and how far they have to go to bring it up to standard.

A total of 588 acres of contour farming is in force with 2,544 acres more needed; pasture seeding has been completed on 68 acres with 287 acres more needed. This is all Class VI land that needs to be put back into pasture.

Five farm ponds have been built but 15 more are needed. A total of 25.5 miles of terraces have been built with 127.2 miles more needed. Fifty-six acres have been put into grassed waterways with 246 acres more needed. Five miles of diversion terraces have been completed and 1.6 miles needed.

Need Detention Dams

Conservation rotations including temporary grasses are being followed on 1,088 acres with 2,307 more acres needed. No stabilization structures (for erosion) have been built but 19 will be needed. Also needed will be 12 detention dams.

Now, what advantage is there to organizing a watershed group like that on Finney Creek? The group is not organized under the new Kansas Watershed Law and is not legally bound to do anything.

Let some of the Finney Creek farmers tell you the answer. Says Jake Glace, farmer in the lower end of the watershed, and one of the early boosters for organizing: "When neighbors get together and talk over their soil and water management problems, then go out and walk over one another's farms to study those problems, they get an understanding they never had before." He referred specifically to 2 cases in which one neighbor, after learning the true situation, allowed an adjoining neighbor to dump terrace water on his pasture.

Earl Grumme, historian and farmer in the upper watershed, says: "What each individual does alone is just a drop in the bucket. But what we do together will amount to something and we can better see the results."

Lyndon Rundle, upper watershed

farmer and chairman of the watershed group steering committee, says: "I believe by setting group goals and working toward those goals as a group we are going to greatly speed up application of soil and water management practices."

"Already," he says, "there is a much greater interest in conservation among farmers in the area than there was before we organized. By holding meetings, keeping a record of progress, and other means we can continue to stimulate that interest and keep it going at top speed."

We had a good chance to see some of the Finney Creek Watershed problems in May. We visited the watershed next morning after a 3.57-inch rain. Finney Creek had been out of its banks in a flash flood and many newly-planted cornfields had been badly damaged. One field on the Grumme farm had been badly washed by uncontrolled runoff from poorer land on up the hillsides. At the lower end of this cornfield, where water empties into Finney Creek, water had cut back into the field some 30 feet, and at time of our visit there was a waterfall of 2 1/2 to 3 feet expanding the damaged area.

Plant Some Windbreaks

Discussing this and other problems in the watershed, Mr. Grumme recalled he had lost more crops from wind erosion than from water, and that he intended to plant some windbreaks and make other improvements that will cut down all types of erosion.

We asked Jake Glace whether the district would need federal help when it came time to build the larger retention dams called for in the long-range plan. "I doubt it," he said. "I think farmers in the watershed can pool enough equipment to build them ourselves with little expense other than labor involved."

That's the kind of spirit organizing a watershed group seems to stimulate. Conservationist Nichols emphasizes one final important point. "All the desire and the push for such watershed groups should come from farmers within the area affected," he says. "If that procedure is followed, with technicians giving what help we can from the outside, the program is bound to be a success."

Maybe You Can Grow 100-Bushel Corn

(Continued from Page 1)

The contest was so successful that this year members of Johnson County Rural Life Association are sponsoring another contest, but with an added incentive. Another group is being sponsored in a similar contest by the Gardner Lions Club.

As a result some 100 farmers are expected to enter this year, with the losing group putting on a feed for winners.

Vernon Meador, president of the Rural Life Association this year, and an entrant in the contest last year, says: "I certainly learned a lot about application of fertilizers from entering the contest last year. I figure if it is a good idea to use so much fertilizer on a 5-acre plot in a contest, it must be a good idea on larger acreages, too, so I'm stepping up use of fertilizers."

Really Uses Fertilizer

Actually, Mr. Meador has 2 plots in the contest this year and is really using the fertilizer. On one field, which was seeded to corn following a thin clover sod, he put 33 pounds of nitrogen and 39 pounds of phosphate an acre on at seeding time. He was to follow this with 200 or 300 pounds of 33 per cent nitrogen as side-dressing at the first or second cultivation. On the second field he plowed under 150 pounds of 16-20-0 before planting and followed this with 200 to 300 pounds of 33 per cent nitrogen at the first or second cultivation. Corn is being seeded by Mr. Meador

in 40-inch rows at the rate of 16,000 plants an acre. "I used 38-inch rows last year," says Mr. Meador, "but had a lot of trouble with a corn picker that wasn't adjustable, so am going to 40-inch rows this year."

Here are case histories:

Ralph Smith: Yield 114.3 bushels; stalk count to acre 16,360; date planted, May 30; row width, 38 inches. Fifteen tons of manure disked in before planting. One hundred pounds of 16-20-0 applied at seeding time and 100 pounds of 33-0-0 plus 100 pounds of 0-42-0 at second cultivation. Sprayed for weeds but no kill. Preceding crop, corn.

Paul Schlager: Yield 104.2; stalk count 14,840; date planted, May 15; row width, 40 inches. Before planting broadcast 255 pounds of 33 percent nitrogen, 90 pounds of 45 per cent phosphate and 60 pounds of 60 per cent potash. Applied 125 pounds of 8-24-8 at planting time and applied 140 pounds of 33 per cent nitrogen at second cultivation on June 25. Preceding crop, wheat and red clover.

Art Brulez: Yield 98.5; stalk count 13,860; date planted, May 10; row width 38 inches. Broadcast 125 pounds of 8-24-8 ahead of planting. Applied 100 pounds of 33 per cent nitrogen, plus 50 pounds of 45 per cent phosphate at second cultivation June 10. Preceding crop, corn.

Glenn Ewing: Yield 94.9; stalk count, (Continued on Page 15)

13,260; date planted, May 6-7; row width 40 inches. Broadcast 116 pounds of 33 per cent nitrogen plus 80 pounds of 45 per cent phosphate ahead of plowing. Applied 44 pounds of 33 per cent nitrogen plus 10 pounds of 60 per cent phosphate and 10 pounds of 62 per cent potash at planting time. Applied 115 pounds of 33½ per cent nitrogen at third cultivation. Preceding crop, wheat and sweet clover.

S. R. Hutcheson: Yield 94; stalk count 11,180; date planted, May 14; row width 42 inches. Plowed down 100 pounds of 8-24-8 ahead of planting. Preceding crop, alfalfa.

Harold Schlagel: Yield 89.8; stalk count 14,540; date planted, May 17; row width 40 inches. Broadcast 100 pounds of 13-39-0 at planting time. Applied 100 pounds of 16-20-0 at first cultivation and 100 pounds of 33-0-0 at second cultivation. Preceding crop, corn.

What Tom Benton Did

T. R. Benton: Yield 89.8; stalk count, 11,620; date planted, May 6; row width 38 inches. Plowed under 10 tons of manure. Broadcast 300 pounds of 11-16-20 ahead of planting and applied 110 pounds of 33½ per cent nitrogen at second cultivation. Preceding crop, corn.

William Voigts: Yield 89.3; stalk count 10,620; date planted, May 7; row width 42 inches. Plowed under 200 pounds of 20-0-0 and applied 200 pounds of 8-24-8 at planting time. Preceding crop, corn.

T. R. Benton (plot No. 2): Yield 88.5; stalk count 9,320; date planted, May 12; row width 38 inches. Broadcast 300 pounds of 11-16-20 ahead of planting and applied 120 pounds of 33 per cent nitrogen at second cultivation. Preceding crop, corn.

Glenn Ewing (plot No. 2): Yield 87.9; stalk count 11,760; date planted, May 6-7; row width 40 inches. Treated same as his other plot.

Hadley Voigts: Yield 85.5; stalk count 12,840; date planted, May 8; row width 42 inches. Preceding crop, alfalfa.

Clayton Wiswell: Yield 71.7; stalk count, 11,400; date planted, May 2; row width 40 inches. Applied 80 pounds of 10-20-0 with planter. Preceding crop, idle.

Vernon Meador: Yield 71.6; date planted, May 15; row width 38 inches. Applied 150 pounds of 21 per cent nitrogen with planter and 100 pounds of 21 per cent nitrogen at 2nd cultivation.

Ritchie Brown: Yield 66.8; stalk count 7,620; date planted, May 12; row width 40 inches. Broadcast 200 pounds of 20 per cent phosphate before plowing and applied 100 pounds of 4-12-4 at planting time.

Corn Grown After a Legume

For every contestant except one in the 1952 contest, corn was on ground that had been in a strong legume such as alfalfa, red clover or sweet clover not later than 1950. Yields were based on 15½ per cent moisture content.

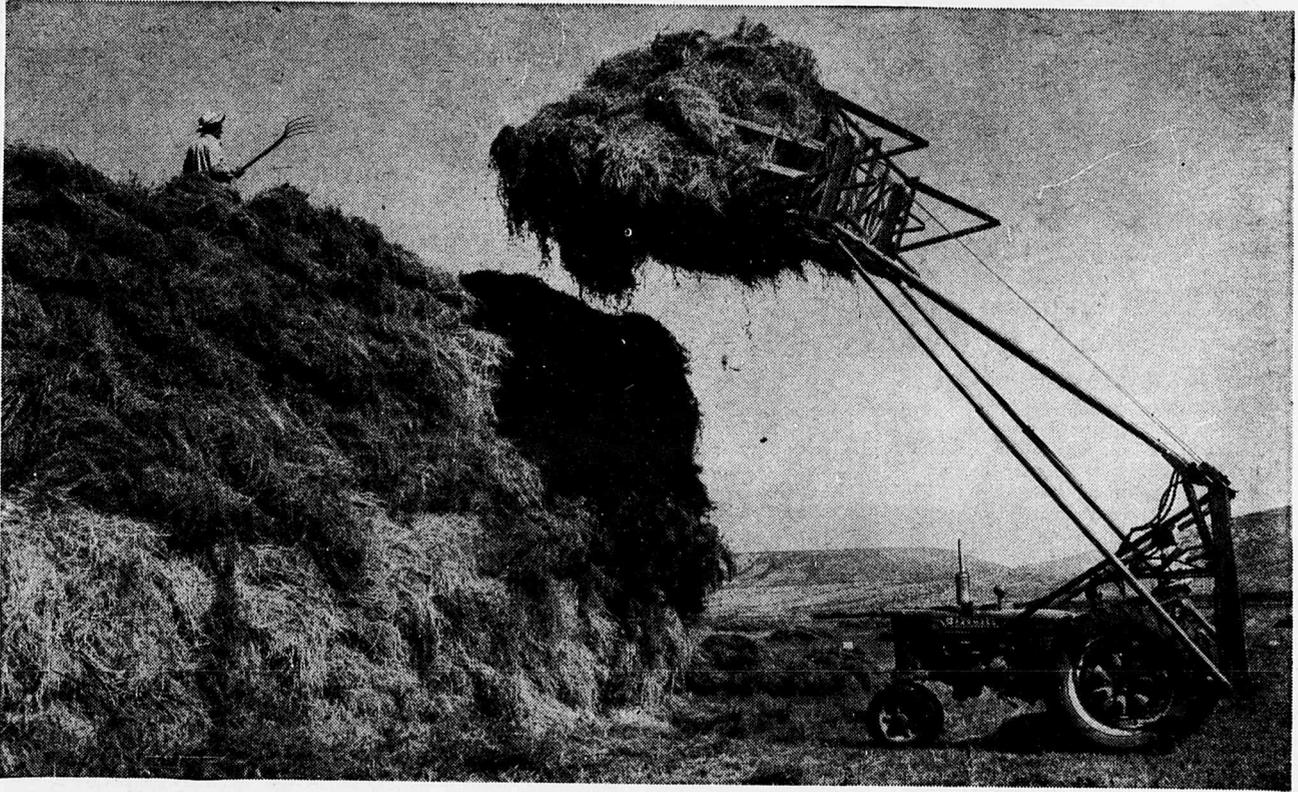
T. R. Benton, who had one plot that placed 7th in the contest last year, is determined to win this year and is fertilizing accordingly. The day we visited him he was preparing one contest field ahead of plowing by applying 150 pounds of 15-50-30. The field is on very good upland and this will be its third year in corn. It has been manured heavily.

"Our soil tests here show we have enough potash to grow corn," says Mr. Benton, "but not enough to support 100-bushel yields. That is why I am adding potash this year. In addition to the application ahead of seeding I will apply 100 pounds of 33 per cent nitrogen at the second cultivation."

Some idea of profits to be found from fertilizing corn at these rates in the Johnson county area can be seen by comparing costs of fertilizer with last year's yields in the contest. Mr. Benton figures his fertilizer cost in the contest at about \$11 an acre. Normal corn yields on the farm without fertilizers are 40 to 55 bushels. His contest plots last year averaged 88 bushels an acre.

That's why we say farmers are selling themselves on fertilizing corn. Those contest plots right on their farms are the clinchers.

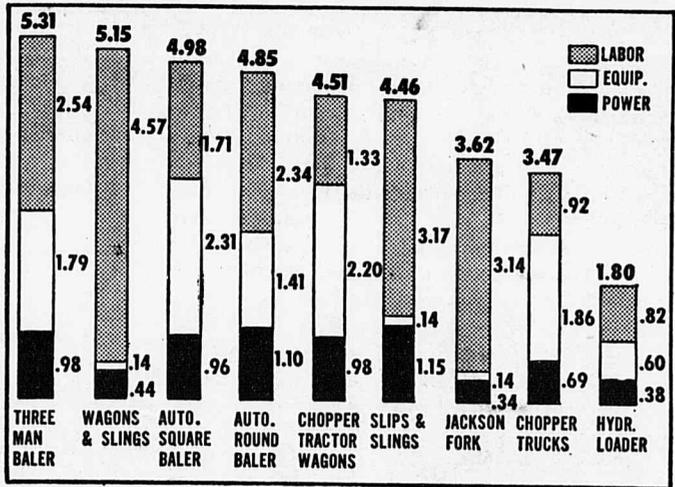
Another University study proves... Hi-Lift Loader haying is cheapest!



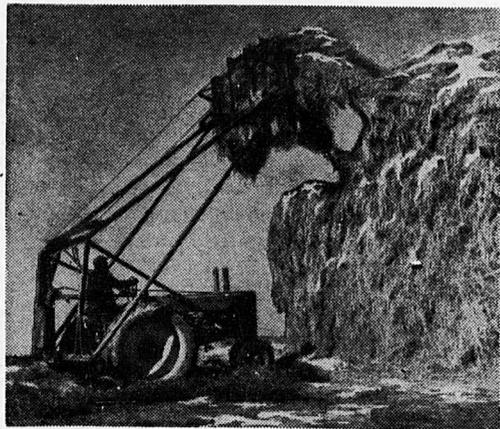
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Cost of harvesting 1 ton of hay by specified harvesting methods.

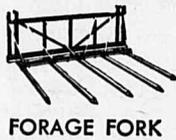


HERE'S PROOF—In a study of hay harvesting costs in 1950 and '51 the University of Idaho Agricultural Experiment Station found that the hydraulic loader harvests a larger tonnage per hour at a smaller cost per ton than any other method in general use. In comparison to balers, for instance, the loader uses about ⅓ the labor per ton while harvesting 25% more tons per hour. The adjoining chart reprinted from a report of this study by Clyde B. Markeson shows cost comparisons for harvesting one ton of hay by each method.



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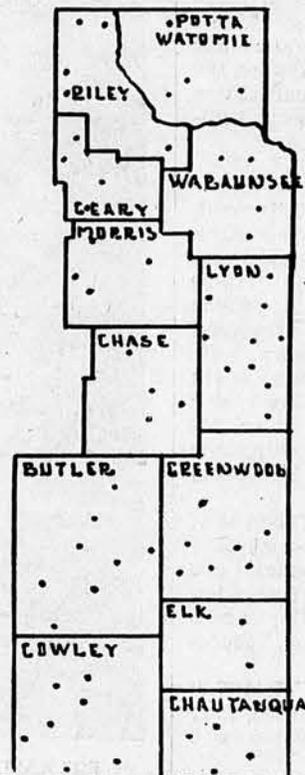
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Kansas Farm Home and Family

By FLORENCE MCKINNEY

They Want Some Changes Made!



IF MOTHERS on Kansas farms could plan their homes, there would be some changes made. Four out of 5 are dissatisfied. They want convenient places to care for the baby, to supervise older children, to allow privacy and space for activities of adolescents. Some things mothers don't like, such as lack of running water or additional heat, can be corrected easily now if finances permit. Others require some remodeling, and other changes will be possible when the family builds a new house.

These ideas were revealed in a recent survey by Tessie Agan and Jane Wilson Barnes, of Kansas State College, who studied needs of Kansas farm families with children. Families interviewed live in the area designated on the map on this page. The area is considered representative of the entire state.

Importance of such a study was evident, for in the last 6 years, Extension specialists at the college have assisted with planning 4,952 new and 22,220 remodeled farm homes. In the future, they will need to know more about farm family life where there are children. Efforts will be made to plan houses flexible enough to meet the needs of the whole family from the time the children are infants until they are grown-up.

Size Is Adequate

As a rule, present houses are adequate in size, half of them 5 to 6 rooms. More than three fourths have electricity and telephone. However, only a little more than one third have bathrooms and running water and only 16 per cent have central heat. Most families must crowd winter activities into the kitchen and heated dining or living room. Mothers find this a definite handicap.

Most mothers would be satisfied, however, if they could have even one more room heated. They also want bathrooms, more storage space, changes in room sizes and a rearrangement of rooms permitting better traffic routes to bedrooms, bathroom, the outdoors and basement. They would like the additional room to be a bedroom on the first floor, if possible, especially when children are small or ill. It would be con-

venient for entertaining, for most guests bring their children and it would solve the problem of where to put neighbors' sleepy children when their parents go to town.

When the family has only one child, grooming in the kitchen isn't too inconvenient; but as the family grows, mothers say the kitchen becomes too crowded. Mothers with preschool children especially, want another place for family bathing, combing and shampooing, brushing

teeth, and washing hands. High school girls and boys also would like a bathroom for grooming. If a bathroom can't be installed, a heated closed-in porch would be considered convenient for grooming, washing-up after chores, and for laundry, mothers agreed.

Mothers prefer a separate room to do the washing and clothes-drying on stormy days. Most of them have to wash children's clothes between regular laundry days. Some do it once a week; others with babies may wash every day. Not many children help, altho some adolescents wash out their underwear. More than half the older children help iron, an activity usually done in the kitchen.

When mother was in the kitchen, most of the children were there, too. While older girls helped, younger ones romped on the floor, and school-age children played or studied at the table. This added confusion, so most mothers asked for an easily supervised playroom or at least adequate indoor space for play. They also want outdoor play space convenient for supervision, for more than half of them checked to see whether small children were all right every half hour or more often.

Like View From Kitchen

One might think mothers would prefer the view from the kitchen window to be over the play area, but this was true only for mothers with infants. The majority chose "something beautiful to look at, such as flowers or a nice lawn" or a view of the farmstead, farm drive and road.

Mothers said they need kitchen space for at least 2 adults or mother and daughter to work together; for children to work and play; for preparing school lunches; for food storage; for some family grooming; for bathing the baby; and for some washing and ironing.

Most families want to serve meals both in kitchen and dining room, but some asked for a dinette, also. To take care of company, they need a table large enough to seat from 6 to 9 persons, depending on size of family.

The dining room or living room, whichever was heated in winter, [Continued on Page 17]

The Lakeview Road

On warm summer evenings, when our day's tasks were ended,

When the red afterglow and the twilight were blended,

Often we and our children would climb in the car

For a refreshing drive, not too fast nor too far.

The road we liked best led out our own street
Past meadows of clover, beside rich fields of wheat;

Down where columns of corn marched in shining array

To the river, reflecting the last light of day.

Farther on, in the moonlight, the lake lay at rest

With the bright water lilies asleep on its breast;
Then we passed thru the woods, where we all loved to roam,

And then came the bright highway that brought us back home.

There may be joy in wealth, satisfaction in power,

But for unalloyed bliss, give me that happy hour,

When we closed the car door on life's most precious load,

To find rest and peace on the old Lakeview Road.

—By Maud C. Jackson.

THE RECIPE CORNER



BERRY COBBLER all done up in whirls is easy to make with fresh or frozen berries and enriched biscuit dough.

Berry Whirls

Berry cobbler was never so good as when served in these berry whirls. It's as easy as ordinary shortcake.

- 2 cups sifted flour
- 3 teaspoons baking powder
- 1/2 teaspoon salt
- 1/4 cup shortening
- 2/3 cup milk
- 3 cups boysenberries, young-berries or raspberries
- 2 tablespoons butter
- 1 1/4 cups sugar (beet or cane)
- 3/4 cup water

Sift together into a mixing bowl the flour, baking powder, salt. Cut in shortening until very fine. Add milk and stir with fork to make soft dough. Turn out on lightly floured board and roll into rectangle about 10 by 13 inches. Spread berries on dough and roll up lengthwise, pinching dough along edge to seal. Cut roll into 9 slices, each about 1 1/2 inches wide and place cut-side down in 9-inch square pan. Dot each slice with butter. Combine sugar and water in saucepan and bring to boil and boil 2 minutes. Pour over rolls in pan. Bake immediately in preheated moderate oven (375°) about 25 to 30 minutes. Serve warm or cold with coffee cream or whipped cream. Makes 9 servings.

Chicken Squares

- one 3-pound chicken
- salt and pepper to taste
- 1/2 cup chicken broth
- 2 cups milk
- 3 tablespoons flour
- 3 well-beaten eggs
- 2 stalks celery, diced

Stew and bone the chicken. Cut into small pieces. Make a white sauce by combining broth, milk and flour. Cook until thick and smooth. Combine beaten

eggs with the meat, season to taste and add diced celery. Put meat combination into shallow baking pan and pour white sauce evenly over top. Bake in moderate oven (350°) for about 45 minutes. Cut into 10 squares and serve hot.—Mrs. L. L. Floyd.

Rhubarb Crisp

- 4 cups diced rhubarb
- 1/4 cup sugar
- 1/3 cup brown sugar
- 1/2 cup flour
- 1/3 cup butter

Mix rhubarb and sugar and put into greased baking dish. Mix brown sugar and flour and cut in the fat. Sprinkle the brown sugar mixture over the rhubarb and bake in moderate oven (350°) for 35 minutes. Serve hot. Makes 6 servings.

Graham Cracker Ice Cream

- 1 cup crushed graham crackers
- 1/2 cup sugar
- 2 cups coffee cream
- 1 teaspoon vanilla

Combine cracker crumbs, sugar and cream. Add vanilla and pour into refrigerator tray and partially freeze. Remove to a chilled bowl and beat with a rotary beater until light and fluffy. Return to tray and finish freezing. Makes 4 servings.—Mrs. Ted Henderson.

Cradle Shower

"Streamlining the Stork," is the title of this leaflet offering clever suggestions for entertaining guests and presenting gifts. Send your requests to Home Service Editor, *Kansas Farmer*, Topeka, Kan. 3c.

Some Changes Made!

(Continued from Page 16)

was the center of many activities for the whole family. Mothers reported they need table space there for 12 persons for family reunions or company meals, and seating space for at least 17 for refreshments. In the evenings, the family gathered there. Parents read or listened to the radio; or father worked on farm records while mother sewed. Often the family played games. Older children read, studied, listened to the radio, played table games or worked at their hobbies, while younger children played quiet table or floor games until bedtime. Most children dressed and undressed in the dining room.

As a result of these varied activities, the dining or living room should be arranged for ample table and floor space for children's play or study. There should be comfortable seating with good lighting and space for radio or TV and for storage of books, games, farm records and children's nightwear.

Mothers would like a daybed there, also, for daytime resting.

A clothes closet for wraps near the outside entrance was a specific need for families with children, as was another closet for storing play equipment such as tricycles.

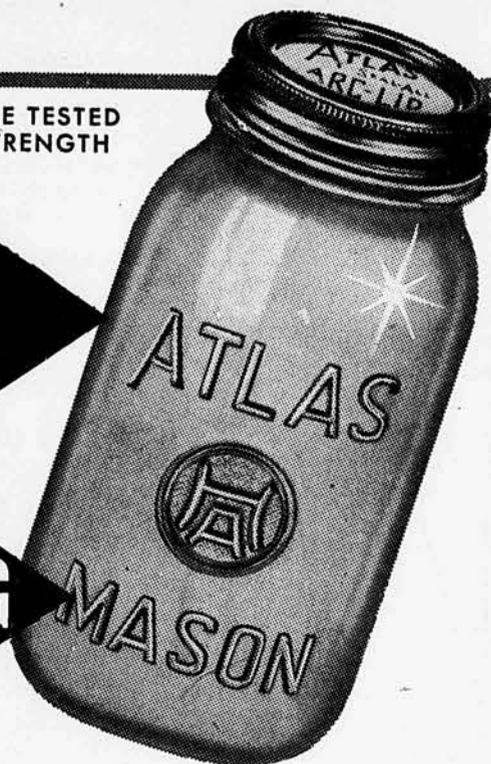
Because farm children do not often have close neighborhood playmates, more than half of them bring home friends to spend the night at least once a month. Bedspace is needed for them. Altho older children spend most of their leisure time with the family, sometimes they want a comfortable place for privacy. For this, a den was most desired, altho a recreation room, a sun porch, or a second living room were choices.

Redesigning the farm dining room into the popular modern all-purpose or family room may well be the answer to needs of Kansas farm families with children.

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Personal To Women With Nagging Backache

Nagging backache, loss of pep and energy, headaches and dizziness may be due to slowdown of kidney function. Doctors say good kidney function is very important to good health. When some everyday condition, such as stress and strain, causes this important function to slow down, many folks suffer nagging backache—feel miserable. Minor bladder irritations due to cold or wrong diet may cause getting up nights or frequent passages. Don't neglect your kidneys if these conditions bother you. Try Doan's Pills—a mild diuretic. Used successfully by millions for over 50 years. It's amazing how many times Doan's give happy relief from these discomforts—help the 15 miles of kidney tubes and filters flush out waste. Get Doan's Pills today!



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tells of crippled children made whole! Of sad parents made happy! It tells how you may help in this expanding program of healing. Write for your free copy of the story today.

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4644
SIZES
12-20



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SIZES
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Patterns are 30 cents each. Address Fashion Editor, Kansas Farmer, Topeka. For first-class mailing, add 5 cents for each pattern.

KNOW YOUR BIRDS . . .

By L. B. CARSON

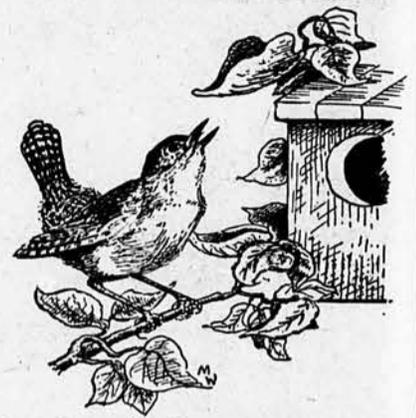
The House Wren

*His brownish hue, his bubbling song,
His impish little ways . . .
You like to have him 'round your home
To gladden summer days.*

YOU LIKE house wrens because they visit you around your home, look you right in the eye and let you know they are taking an interest in what you are doing. They either sing or scold, depending on what you are doing or how they feel about the situation, but you are sure to know when they're around. They are so small you want to offer protection, so you build one or more houses for their use. If they like the house or the location, they may decide to stay.

Their natural nesting place is in any hole, crack or cranny which is large enough for them to gain entrance and they carefully check every site in the nesting area. They often pass up fancy wren houses and nest in the pocket of an old coat hanging in the shed or behind a loose board or in a tin can.

The male which often is referred to as "Jenny," spends much of his time singing, building nests and trying to entice the female to start housekeeping in all the wonderful places he has found. She in turn has a mind of her own and may take a dim view of the home he has chosen or nest he has built. If she likes his looks or the location, she often removes the nest which he has built and builds her own. Sticks, grass or most any sort of available material are used, and it is amazing to see the size of some sticks this bird can carry into a small entrance. The lining is of softer substance. The eggs are white, thickly speckled with fine, brown dots and run from 4 to 8 in number, depending on the time of year.



in color and actions and make an interesting family when they first emerge from their nesting hole and join older birds in surrounding shrubs. Their short tails are held at all angles and their actions make them easily identified. They soon learn to get their own food and are on their way to investigate all the hidden nooks where food is found.

Our Readers Want to Know

I thought I knew my birds, but here is one with which I am not familiar. It is a small brown bird with a long, slender beak, larger than the wren. The male and female are the same color. For 3 years they have nested in a pigeon hole of my workshop where I keep bolts and nuts. They hatched 5 little ones this year and left with them the 10th of May.

The female became very gentle in the bolt box and I was careful not to keep her off the nest too long. But she didn't mind me, for she came and went when she got ready. Of course, she put her nest in the box I used the most. Her tail sticks straight up like the wren. What kind of bird is this?—John Lane.

You have been providing a nesting site for the Carolina wren, which is a larger relative of the house wren. This bird is a rich brown with a line over the eye and is about one inch longer than the common house wren. The Carolina wren is a permanent resident and usually found around wooded ravines or in wood lots. It likes to nest in almost any spot such as your workshop, which must not be too far away from a ravine or other tree-covered habitat. This bird has a clear song which carries well and is much more musical than the house wren. You noticed, no doubt, it's movements were wren-like. Most birds will become quite tame when they find you are not going to molest them.

Yes, I have a question about birds. I am a bird lover and have a great variety. A few years ago we had a makeshift martin house with 15 rooms and lots of martins. Last year, we built a new martin house according to specifications and have none at all. They come to investigate, but do not stay long. Why?—Mrs. Walter Manlove.

Did you put the new martin house in the same location where they formerly nested? If so, when was it erected? Perhaps starlings or sparrows had taken over before the martins returned. Martins like a box which has not been filled with bulky material such as other species use. Try cleaning out the boxes and erecting them just before martins are due in your area.

Do You Have A Question About Birds?

If you have a question about the birds, write us. All questions will be given to L. B. Carson, our writer on "Know Your Birds," and his answers will appear in a future issue. Whether you are a birder or an amateur, your questions will be given replies. Write to Florence McKinney, Home Editor, Kansas Farmer, Topeka.

Wrens do most of their feeding in low, brushy areas and build where such feeding grounds are easily found. Privet, spirea, rose bushes or other low, woody vegetation provide ideal hunting grounds for the spiders, larvae or small insects which go to make up their diet.

The male is a persistent singer and can be credited more for the bubbling energy than for the beauty of his song. In fact, as compared to other wrens, his efforts rank low. The Bewick's wren which often uses your wren house is a much better singer and there is little comparison between the song of the house wren and the Carolina wren which often is seen and heard in wooded areas.

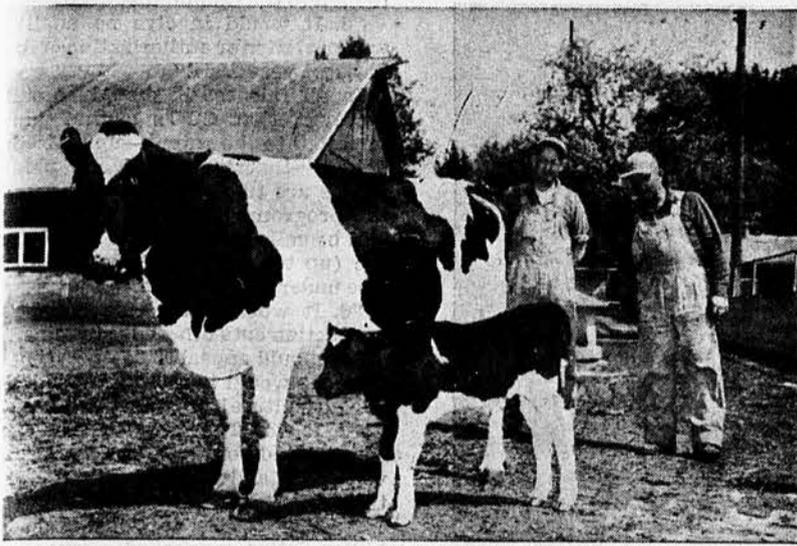
Like others of your favorite friends, it is necessary to overlook some of the bad habits of this bird. The fact he is a bigamist makes little difference to most people, for the more mates he has, the more wrens we have to enjoy, and there is nothing certain about his mate's affections, either. She might like the song of some other male in the woods nearby, and so it goes. Another of his habits is not condoned by most birders. He often punctures eggs of other birds which have nested nearby, thereby destroying other species which might be just as desirable or even more beneficial. This is his method of insuring a good supply of food for his own brood, and who are we to condemn him?

Young wrens resemble their parents

Home Freezing of Fruits and Vegetables

Here is the complete up-to-date leaflet on home freezing. Covers the job from start to finish. To get this free USDA bulletin, address Farm and Home Service Editor, Kansas Farmer, Topeka. Ask for "Home Freezing of Fruits and Vegetables."

FIRST LIVE CALF BORN FROM FROZEN SEMEN



FIRST LIVE CALF born in America from frozen semen is shown here with its mother, inseminator Berlyn Gruber, and Melford Hill, Jamesville, Wisc., owner. Heifer calf, born May 29, is result of frozen semen from one of the Wisconsin Scientific Breeding Institute's bulls, Pabst Burke Tritomia Fryslan. The institute, an American Breeders Service unit, co-operated with the American Foundation for the Study of Genetics in the experiment. Semen is frozen and stored at -110° Fahrenheit.

Coming Events

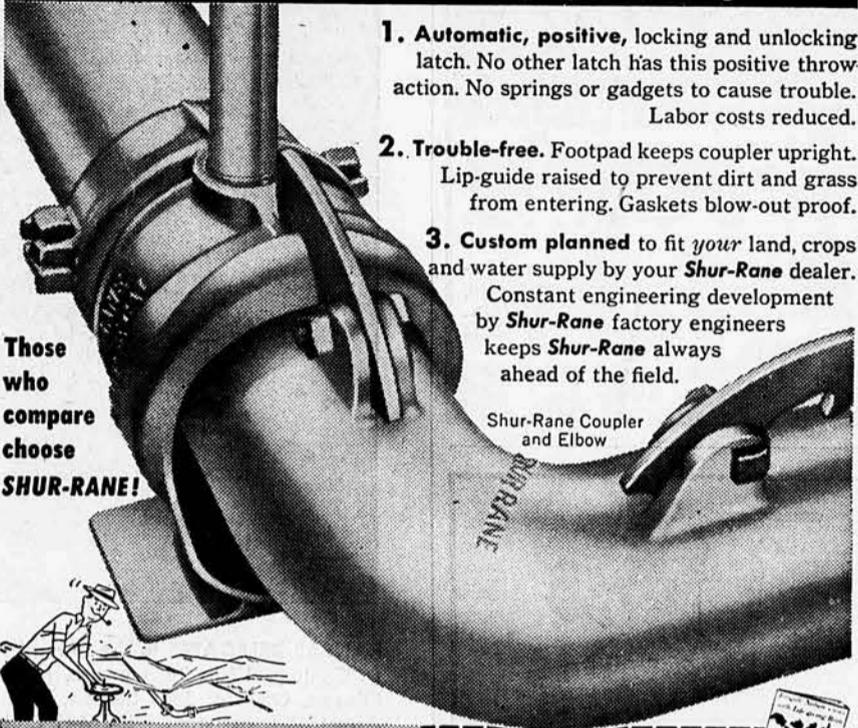
- July 5-8—Riley county younger 4-H Club camp, Rock Springs.
- July 6-11—Pottawatomie county 4-H Club camp.
- July 6-11—Wabaunsee county 4-H Club camp, Rock Springs.
- July 7-8-9—Elk county 4-H Club camp, Sedan Lake.
- July 8-11—Riley county older 4-H Club camp, Rock Springs.
- July 12-15—Rice county younger 4-H Club camp, Rock Springs.
- July 12-15—Comanche county 4-H Club camp, Ford county 4-H Club camp.
- July 13-15—Woodson county Eastern District Extension Conference.
- July 16—Shawnee county 4-H Club business men's picnic, Gage Park shelterhouse, Topeka.
- July 16-18—Ellis county Northwest district planning conference, Salina.
- July 19-22—Russell county older members 4-H Club camp, Rock Springs Ranch.
- July 19-22—Ellis county older members 4-H Club camp, Rock Springs Ranch.
- July 19-22—Finney-Stevens counties southwest 4-H Club camp, Dodge City.
- July 19-25—National Farm Safety Week.
- July 20—Riley county 4-H Club demonstration school, Manhattan.
- July 20—Dickinson county 4-H Club crops judging school, Abilene.
- July 20—Brown county 4-H Club tour and picnic.
- July 20-22—Ellsworth county 4-H Club summer camp, Rock Springs Ranch.
- July 20-22—Barton county older members 4-H Club camp, Rock Springs Ranch.
- July 21—Shawnee county-wide beef tour.
- July 21—Woodson county beef tour with Ray M. Hoss, Wendell Moyer and Dell E. Gates of KSC.
- July 21—Elk county-wide community night, Howard fair grounds, 8 p. m.

- July 20-25—80th Annual Convention, American Poultry Association, Hotel Statler, St. Louis, Mo.
- July 22-25—Rice county older members 4-H Club camp, Rock Springs Ranch.
- July 22-25—Pawnee county 4-H Club camp.
- July 23—Southeast Elk county summer livestock tour sponsored by Elk county Livestock and Cattlemen's Association, Howard, 8:30 A. M.
- July 23—Barton county annual Chamber of Commerce 4-H Club picnic, Lake Barton.
- July 24—Barton county 4-H Club leaders and members dairy judging school.
- July 24—Marshall county district dairy judging school at Washington.
- July 24-27—Rawlins county 4-H Club camp, Rock Springs Ranch.
- July 25—Annual CK Ranch Field Day and "no money" calf auction, Brookville.
- July 30—Elk county 3rd annual dairy day, Moline, 10 A. M.
- July 26-29—Shawnee-Reno counties 4-H Club camp, Rock Springs Ranch.
- July 27—Kearney county Prairie View 4-H Club project tour.
- July 27-28—Johnson county Home Demonstration Unit leaders training school on "Buying and Preparing Quantity Meals," American Legion Building, Olathe.
- July 28—Pawnee county 4-H Club members and parents dairy judging contest and tour.
- July 28—Brown county Lambert-Dickerson dairy day.
- July 28-31—American Poultry and Hatchery Federation Convention, Milwaukee Civic Auditorium, Milwaukee, Wis.
- July 29—Pawnee county soil conservation demonstration on terracing and waterways with Walter E. Selby and Harold Ramsour of KSC.
- July 29-30—Kansas Farm Bureau board of directors meeting.
- July 30-31—Shawnee county Eastern Kansas 4-H Club judging school, Topeka.
- July 30—Osage county Home Demonstration Unit Play Day, Osage City.

GRANDMA By Charles Kuhn



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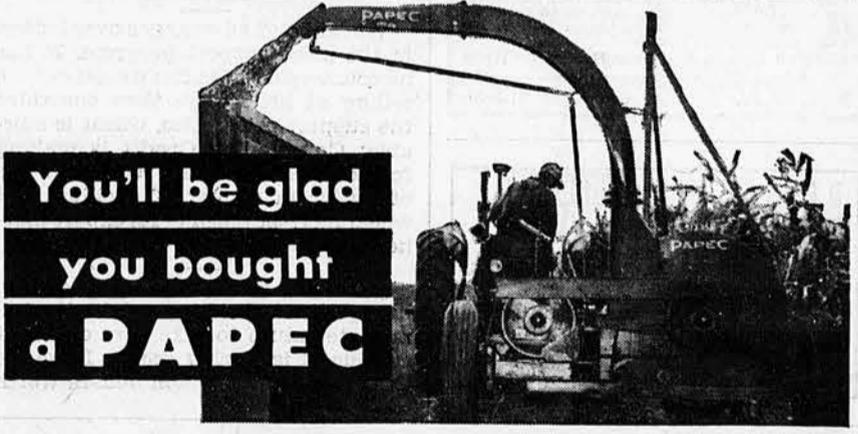
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KANSANS GO TO WASHINGTON



KANSAS DELEGATES to the annual National 4-H Club Camp in Washington, D. C., June 17 to 24, were, left to right: Tom Shinn, Conway Springs; Ruth Stinson, Ottawa; Jack Sexton, Talmage; Luanne Hicks, Goodland; Virginia Armstrong, assistant state 4-H Club Leader; J. Harold Johnson, State 4-H Club Leader. The 4 delegates from local clubs were chosen for outstanding records in 4-H project work and leadership in club and community activities. **Kansas Farmer** issues of May 16 and June 20, 1953, brought you other stories on their activities.

Wheat Problem Is Still With Us

By CLIF STRATTON, Kansas Farmer's National Affairs Editor

A WHEAT CARRYOVER of 575 million to 600 million bushels, most of it government-owned, is taking so much storage space, Department of Agriculture had to announce it will make wheat loans on grain stored on the ground, under favorable circumstances. Expect Secretary of Agriculture Ezra T. Benson to proclaim wheat acreage allotments and call for a referendum of marketing quotas any time. In Congress every effort is being made by farm interests to rush the Hope (Kan. Rep., chairman House Agriculture committee) bill to redraft the formula so national allotment can be as much as 66 million acres, instead of 55. Farmers have been planting around 78 million acres last 3 years.

Wheat has 2 advantages over butter, in the price support program. It has no counterpart of butter's competition, selling at little more than one third the support price. Also, wheat is storable; Commodity Credit is making forced sales at heavily reduced prices of butter in danger of spoiling. But wheat has lost much of its export market.

American Farm Bureau Federation has worked out a proposal for the immediate future to take care of wheat surplus. It is starkly simple. Have the CCC turn over 1 billion dollars worth

of CCC-owned stocks to Mutual Security Administration to be sold to MSA countries—same to be paid for in currency of receiving country. That will not require receiving countries to pay in dollars. MSA will then have this currency for use in promoting trade among the receiving countries, and presumably for other purposes within the foreign aid program.

Sen. Andrew F. Schoepel (Rep., Kan.) offered the AFB amendment to the Mutual Security Act of 1953, up for early action in the Senate. By the Schoepel amendment the Congress would declare these CCC stocks as "available for expanding world trade."

Explaining the proposal, Senator Schoepel said it would authorize MSA Director Harold E. Stassen to offer such stocks for sale thru private traders, in co-operating countries and accept currencies of the receiving countries in exchange (at official exchange rates).

Advantages of Plan

Senator Schoepel explained further: "The plan offers new leadership to the United States in world affairs by facilitating expansion of free trade economies. It turns CCC surplus stocks from threatened liabilities to assets for the United States. Advantages—

"1. This is not a give-away program. Its purpose is to sell U. S. agricultural supplies for a maximum of local currencies which may be used by U. S. to aid in economic development and for promoting trade among co-operating nations.

"2. This is not a dumping program. Its primary direction," according to Senator Schoepel, "is toward new and underdeveloped areas. Prices are to be maximum. Acceptance by countries is voluntary. Marketings are safeguarded by assuring that quantities are net additions to consumption.

"3. It would convert likely liabilities resulting from CCC stocks to assets by using them for constructive purposes; by investing them in economic development and expanding international trade.

"4. It would provide the U. S. with a powerful economic weapon to counter

the communism trade offensive, which seeks to divide our allies by luring them into the Communist orbit.

"5. It would involve no additional appropriation or authorization of funds in fiscal year 1954."

In all fairness it should be stated however, that CCC's capital will be impaired to the extent—up to 1 billion dollars—that its owned and paid-for stocks are turned over to MSA under the program. Which means Congress will be called upon later to make good the (up to) 1 billion dollars CCC will lose under the program.

"6. It would temporize the drastic production cuts otherwise imminent. "It should appeal to co-operating nations. It would increase their supplies of agricultural products which they need. It would provide for reinvesting the proceeds of sales in economic development and expanding trade among them."

And, of course, it would provide a billion-dollar market for wheat and some other surplus stocks of CCC, providing the deals were handled so these CCC stocks would not simply take the place of what otherwise would be taken thru present channels of export trade.

The proposal will have a strong appeal; it is not impossible it might be adopted, at least in part.

Bureau of Agricultural Economics reports farmers' cash receipts from farm marketings first 5 months of 1953 totaled 10.5 billion dollars, or 3 per cent under corresponding period of first five months of 1952.

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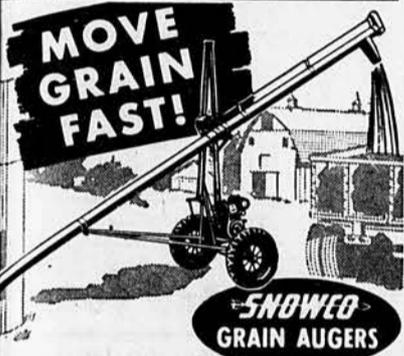
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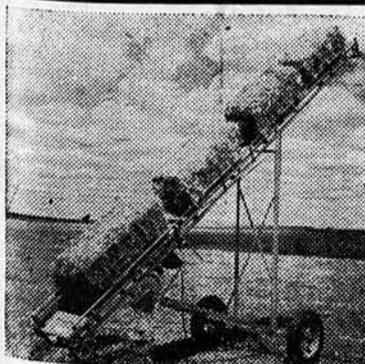
NATIONAL Vitrified SILOS

Everlasting TILE
Cheap to install. Trouble-Free. Also Tile Stave Silos. Outside Reinforcing.

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IMMEDIATE SHIPMENT

F.H.A. LOANS AVAILABLE
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NATIONAL TILE SILO COMPANY
636 Livestock Exchange Building
KANSAS CITY 15, MO.



NEW STRODA BALE ELEVATOR

Length, 20 ft.—elevates 15 1/2 ft., full bale width. Easily powered 1/2 H.P. motor. Double cable winch.

Low Priced—\$199.50
Dealer Distributor

LONGHOFFER SUPPLY
Marion, Kansas Phone 307

Welding Survey Indicates Savings Possible by Home Repairing Jobs

WELDING ON THE FARM was the subject of recent survey conducted with 25 deans of agriculture and professors of agricultural engineering in U. S. agricultural colleges by The Lincoln Electric Co., Cleveland, O. Survey covered economic savings possible by use of welding on farms.

Following are questions asked and some replies:

Question A: How about savings in repair of farm equipment by welding rather than purchase of new parts?

Answer: Average estimate on savings was about \$27 yearly. Guesses ranged from \$25 up to \$400 per year, and from 15 per cent of cost of new parts up to 90 per cent.

Question B: How about savings in repair of equipment at home rather than dismantling a piece and taking it to a shop in town for welding repairs, including cost of repair and cost to make the trip?

Answer: Estimates ranged from \$5 to \$50—average was about \$23 yearly.

Question C: How about savings in being able to save crops which would otherwise be lost due to weather conditions?

Answer: Estimates ranged from \$50

up to \$5,000—average was \$100 yearly.

Question D: How about savings on making gadgets and simple machines (including laborsaving devices) over cost of new similar equipment?

Answer: Estimates ranged from \$25 to \$300—average was \$90 yearly.

Question E: How about savings in time by use of laborsaving devices built on farm, and which would be considered too expensive to buy or have made?

Answer: Ranged from 25 up to 50 per cent—average was 30 per cent.

Question F: How many U. S. farms should have their arc welder, or those that could make profitable use of one?

Answer: Ranged from one out of 10 farms to half of all farms—average was one in 4 farms.

In summarizing general statements and figures offered, most farmers own welders for these reasons: (1) convenience; (2) time saved in making repairs; (3) timeliness or quickness of being able to make repairs; (3) many farmers have been forced to buy welders in order to make their own repairs because they were not readily available, and (5) some like to have welders "to play around with."

HINTS ABOUT ASTHMA

Bronchitis and asthma may seem to go together, because the asthmatic attack also inflames the bronchial tubes. One need not fear asthma will "run into tuberculosis." But allergy is always to be considered in repeated asthmatic attacks. My special letter, "Hints About Asthma," will be sent to any subscriber upon request. Address Dr. C. H. Lerrigo, care of Kansas Farmer, Topeka, Kan. Be sure to enclose a stamped reply envelope to your own address, please.

Ice Cream as Food for Patients

By CHARLES H. LERRIGO, M. D.

I AM OLD ENOUGH to remember when fever patients were denied water! Seems incredible now, yet when my practice began I was constantly running into people who clung to that crude, foolish regulation. Nowadays, I think it is understood by everyone there are very few ailments in which plentiful administration of cool, fresh water is not only permissible but very desirable. The doctor who has a fever patient today instructs the nurse to see that water is offered at regular intervals, not allowing it to be a matter of chance. Rules of a few generations ago in regard to what a sick person might eat or drink have given place to regulations much more simple and more in accordance with common sense.

I have a letter asking whether it is dangerous to eat ice cream when one has a cold, and I believe such an idea has had some vogue. There is no more foundation for it than for the old superstition about the danger in drinking water. By the time ice cream has reached the stomach its temperature is materially increased and the cold effect is very transient. On the other hand, ice cream is a very helpful food and one so acceptable it often tempts the appetite of a sick child or adult when ordinary forms of nourishment are positively repellent. It is a food that may be used to advantage in many very serious diseases when more sub-

stantial articles of diet might possibly prove injurious. Nowadays it is a standby in fevers. Foods having as their base milk or cream are always safe in sickness, excepting in diseases of the digestive tract in which all food is, for the time being, prohibited because not to be tolerated by the stomach.

Even ice water, altho undoubtedly harmful if used without restraint, may be used by sick and well alike if taken in moderation. Sipped slowly, it cools the mouth and throat in a very acceptable manner and, taken in this way, its temperature is quite harmless by the time the stomach is reached.

Preserves Paper Drapes

Paper drapes will last longer and retain their color if liquid wax is brushed on both sides before hanging them. This also helps keep them clean as dust can easily be wiped off.—M. O.

M&W GEARS

REDUCE TRACTOR OPERATING COSTS

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- Give "Job-Suited" Speed For All Work



M&W 9-Speed Transmission gives your Farmall 4 more intermediate field speeds of 6, 7 1/2, 9 and 11 mph... a whole new range of "job-suited" field speeds. When pulling light draft equipment, shift to a higher gear. This will save you many gallons of fuel each season. M&W 9-Speed Transmission fits Farmall M, H, MD, W-4, W-6, Super M and Super H tractors. For complete information see your tractor dealer today or write Dept. G13.

Mrs. Famous Add-POW'R Pistons & Live-POW'R PTO.

M&W GEAR CO.
ANCHOR, ILLINOIS

ESHELMAN FOR BETTER LAWNS AND GARDENS

SNOW PLOW
PLOWES
CULTIVATES
HARROWS
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MOWS
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Women can operate it
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ESHELMAN, Dept. 407
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333 N. Michigan Ave., Chicago 1, Ill.;
7070 Hollywood Blvd., Los Angeles 28, Cal.

Goodbye FLIES, GRUBS, LICE and other insects



With the NEW POWER AIRE ROLLING APPLICATOR

Eliminate the mess, extra expense and work of spraying or dipping stock. Simple and quick to erect. Just fill the Applicator occasionally with the guaranteed insecticide. One filling of the roll goes a long way. No waste; insecticide will not evaporate; is delivered direct to the trouble spot by the revolving roll either on animals back or underside. No corral to build. No more rounding up and exciting cattle. Spring encased for long wear and greater "scratchability."

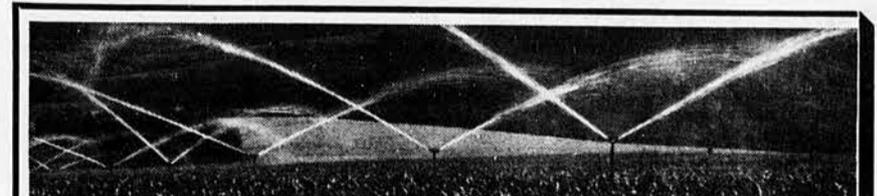
MONEY BACK GUARANTEE!

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| Applicator Complete (less post and 40 lb. weight) .. | \$23.95 | Chemical \$5.50 Per Gal. |
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Complete Kit-Applicator and 4 gallons chemical **\$43.95**

Sent prepaid except C.O.D. Send check with order.

POWER-AIRE SALES CO.
Dept. KF, 739 No. 24th St., Omaha, Nebr.



Even in seasons with normal rainfall, does it always come when you need it? A few dry days (every growing season has them) and bright prospects fade. Quantity and quality of your crops suffer and may be lost entirely.

Adequate, controlled moisture during growing season with an **ATLAS PORTABLE SPRINKLING SYSTEM** insures your crop against failure due to drought; insures quality and quantity.

Write today for a free catalog.

JONES & LAUGHLIN STEEL CORPORATION-SUPPLY DIVISION
407 N. Main St. Muskogee, Okla.

Home Freezing of Fruits and Vegetables

Here is a new booklet, "Home Freezing of Fruits and Vegetables." Get your free copy by writing to Home Service Editor, Kansas Farmer, Topeka, Kan.

Classified Advertising Department

KANSAS FARMER Classified Advertising

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

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

● BABY CHICKS

Rocks, Reds, Hampshire, Wyandottes, \$8.95; pullets, \$12.95. Leghorns, Australwhites, Minorcas, \$8.95; pullets, \$17.95. Heavies, \$8.95; Leftovers, \$3.95. FOB, Alive. COD. Catalog, Bush Hatchery, Clinton, Mo.

DeForest Blueblood Chicks, broiler and egg breeds. Hatching year around. Broadbreasted Bronze Poults. Guaranteed livability. DeForest Hatcheries, Box E, Peabody, Kan.

Broiler Chicks, three pounds in nine weeks. White Rocks and New Hampshire Reds, \$11.75 per 100. Live delivery guaranteed. St. Clair Hatchery, St. Clair, Mo.

● JERSEY GIANTS

Superfine Chicks, eggs, since 1920. Jersey White or Black Giants. Buff Minorcas. Buff Orpingtons. Anconas. Silverlaced Wyandottes and other breeds. Free literature. The Thomas Farms, Pleasanton, Kan.

● DUCKS AND GESE

White Embden Goose Eggs. 50c each. Robert Otte, Gerald, Mo.

● PLANTS AND NURSERY STOCK

Sweet Potato Plants, Nancy Hall, Porto Rico. 200-51, 50, 500—\$3.00 postpaid. Ponzer Nursery, Rolla, Mo.

● PATENTS AND INVENTIONS

A. H. Sturges, 317 Sunderland Bldg., Omaha, Neb. Registered Patent Attorney, U. S. Patent Office. Procedure information, evidence of invention form and patent book sent on request.

● BUSINESS OPPORTUNITY

Start Venetian Blind Laundry. Profitable lifetime business. New Machine. Free booklet. A. B. Co., 422 N. Seneca, Wichita 12, Kansas.

● AGENTS AND SALESMEN

Money for Xmas—Make at least \$50 showing beautiful Elmira Christmas and All-Occasion Greeting Card Assortments—Name Imprinted Christmas Cards, Stationery, Napkins, Book Matches, Playing Cards—Gift Wraps, Books, Games, Household, Hostess Items, all unbeatable values. Make money while you make friends. No experience necessary—no risk—send no money. Free samples, catalog, Bonus plan, display assortments on approval. Write today! Elmira Greeting Card Co., Dept. C-146, Elmira, N. Y.

Agents Wanted. Make money and satisfied customers. Buy, sell and install lightning rods. Write Reliance Company, Box 512, Sycamore, Ill.

● FEATHERS WANTED

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

● DOGS

Shepherd Female Pups—Special prices on black English for this month of \$12.50 each. No spayed females. H. W. Chestnut, Chanute, Kan.
Rat Terrier Puppies. Bred for ratters. Crusader Kennels, Stafford, Kan.

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

● REMEDIES—TREATMENTS

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

Free Book — Piles, Fistula, Colon-Stomach, associated conditions. Latest methods. Thornton & Minor Hospital, Suite C706, Kansas City 9, Mo.

● HOME HEATING

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

● FOB THE TABLE

Mixed Flower
HONEY Not Strong **\$9.90**
(Extracted) 60-lb. Can FOB
12-lbs. Postpaid **\$3.50**
to 600 ml.
It must please you. — Order today.

HAHN APIARIES
1715 Lane Topeka, Kansas

● FILMS AND PRINTS

20 DECKLEDGE REPRINTS 50c
6-8 exposure roll developed and printed 25c; 12-exposure, 30c; Jumbo prints, 4c each.
TINY'S PHOTO SERVICE
Box 1068-KF Topeka, Kan.

Wisconsin Film, West Salem, Wis., include a roll of film, same size you send, with below offers. 8 Beautiful 4x6 glossy enlargements from your 8 exposure roll 40c. 12 snappy 4x4 enlargements from your 12 exposure roll 60c. You must enclose advertisement.

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

12 Jumbos, 35c; 8 Jumbos, 25c; 16 Jumbos, 50c. From roll or negatives with this ad. I. Skrudland, Lake Geneva, Wis.

Two Prints each good negatives, 8-exposure, 35c; 12-exposure, 50c; 16-exposure, 65c; reprints, 4c. Mayfair Photo Service, Box 617-B, Toledo, O.

8-exposure roll 1 each 25c, 2 each 35c. Reprints 3c each. 8-exposure roll JUMBO 35c. 3x5 enlargements for 50c, 4x8 for \$1.00. At your service for over 50 years.

SUMMERS STUDIO
Unionville, Mo.

● MACHINERY AND PARTS

NCM or NCM-T Case Baler Owners: Increase the value of your baler to \$3,000.00 by adding a U. S. Ausherman Automatic Wire Tyer. Twine Tyers also available. Also, why not prevent accidents by modernizing your tractor with U. S. Topping Effortless Power Steering. Write for information. United States Implement Corporation, N.B.C. Building, Cleveland 14, O.

Combines Galore: 70's, 80's, and 90's. Used 26's, 27's and 21-A's. Late model 12' Cleaners, G-4 M.M. & No. 9 J. D. Also Anhydrous-ammonia applicators and storage tanks, 4-row listers, cultivators and go-digs. Two years to pay. We trade for everything. W. M. Sheridan & Sons, Sutton, Nebr.

Save 50% on One-way Discs. Adams hard-faced discs stay sharp for the life of the disc. Breakage, scouring difficulties eliminated. Information and prices on Adams complete line of hard-faced tools furnished free. Adams Hard Facing Company, Wakita or Guymon, Okla.

Irrigation Plastic Pipe with plastic gates, our gates fit pipe you are using. Master Plumbers, Grand Island, Nebr.

Windmill lift springs bring more water with less wind; two 30-inch springs with fixtures, \$18.50. A. R. Sapp, Julesburg, Colo.

Perrin Self-Locking End Gate fasteners for pick-up trucks. Information free. Engalo, McPherson 5, Kan.

Massey-Harris combine repair parts 20% off, pre-paid to you. Send orders to Prentice & Steichen, Hill City, Kan.

For Sale: 125 SP Combine with pick-up, \$3,600; HM 238 cults., HM 221 cults., \$140, less cyls. S. O. Nelson, Dwight, Ill. (Ph. 410)

"We Sell Rain" 20 advanced designs of sprinklers in operation — Skinner — Buckner and Rainbirds. Webster and Ames pipe—various wheels—skids—pumps by Pacific—Gardner—Denver—Carver and Jason—Canal liners. We trade—factory warehouse—retail—wholesale. Free. Years of irrigation research, experience and engineering. Lodging—meals—personalized service at Conrad's, Gaylord, Kan.

Irrigation pipe, sprinklers, new low prices; all sizes and lengths. Pumps, motors, wheel move, tractor pull, engineered for your farm. Write Dole Irrigation Co., Norton, Kan., or Kenneth Griffith, Pratt, Kan.

K-2 Krause Plow Owners save with self-spacing Allen Disc assembly bearings. Grease only the thrust bearing. 15' plow \$79.75. Allen Castor Bearing eliminates sliding of land and furrow wheel when turning \$26.50. Write: Allen-Allen, Box 1011, Liberal, Kan.

● FARM EQUIPMENT

"Gigantic" Surplus Sale — Tremendous savings. Government, and excess inventory, power plants, compressors, pumps, weed sprayers, chain saws, binoculars, tools, hundreds items. Illustrated catalog free. Surplus Center, 877 O St., Lincoln, Nebr.

Wire Winder—Avoid barbed wire entanglements, use a tractor-powered wire winder. Low cost. Free literature. Midwest Wire, Dept. 28, South St. Paul, Minn.

A Big Saver: Farmall model H tractor equipped with Auburn trencher. A. E. Hudson Co., R150, Morton, Ill.

Do You Know the advantages of electric fencing? Do you know the famous International Electric 106 weed chopper will not short out by weeds? Free information is available by writing International Fencer Co., Inc., 1105 W. Chicago Avenue, Chicago, Ill.

● FARM LANDS

Strout Farm Catalog Free! Farms, Homes, Businesses, etc. Over 3,200 bargains described, 31 states. World's largest, 53 years service. Strout Realty, 20-V West 9th St., Kansas City 6, Mo.

1,040 Acres Lincoln County, Colo. Well improved stock-grain farm near highway. Price \$31,200. Favorable terms. Louis Miller, Frankfort, Ind.

80 Acres—5-room house; basement, barn, etc., electricity, dried well, pond, spring, fenced, cross fenced in Hickory County, Mo. \$4,500. A. F. McGuire, 903 Benton Blvd., Kansas City, Mo.

● LIVESTOCK ITEMS

Write for Free Literature on Hog Cholera, Swine Erysipelas & Hemorrhagic Septicemia (shipping fever). Colorado Serum Co., 4950 York St., Denver 16, Colo.

● EDUCATIONAL—BOOKS

AUCTION SCHOOL Learn Auctioneering America's Leading Auctioneers Teach You. Students sell actual sales. Largest school in world. 20 years in operation. Don't be misled. Term soon. Free catalog. Don't be misled. Term soon. **REISCH AUCTION SCHOOL, Mason City, Iowa**

Learn Auctioneering, Term soon. Write for catalog, Missouri Auction School, Box 4746, Kansas City, Mo.

Ft. Smith Auction School, Fort Smith, Ark. Term soon. Free catalog.

● OF INTEREST TO WOMEN

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

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

Stainless Steel, Vaporseal. One Quart Saucepan \$6.79, 3 1/2 \$8.79, six, \$13.79, two \$7.79. Pressure cookers, Dutch oven \$13.79. Majors, 226 Durant, Springfield, Mass.

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

Weavers—Write for low prices—carpet warp, rug filler, looms, parts, inexpensive beam counter. If you have a loom, give make and width please. Or. Rug Company, Dept. 7314, Lima, O.

Pinking Shears—Only \$1.95 postpaid. Chromium plated, precision made. Manufacturer's Christmas overstock. Guaranteed \$7.95 value or money refunded. Lincoln Surplus Sales, 529 Main St., Evanston 49, Ill.

Women make money at home, spare time. Sew ready-cut RAP-A-ROUND. Easy, profitable. Hollywood Mfg. Co., Dept. AF Hollywood 46, Calif.

● OF INTEREST TO ALL

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

Would You Like to Know what the Pest Control people use to kill rats and mice? Information free. Wilco Sales Co., Box 294, Danville, Ill.

Choose Topeka for Soils Award Event

Topeka has been chosen as site for 1953 Kansas soil conservation awards luncheon when winners are named for all-expense paid vacation trips to Good-year Farms, Litchfield Park, Ariz., in December. Awards will be for outstanding efforts in soil conservation between July 1, 1952, and June 30, 1953. Eight Kansans will be honored.

Annual luncheon will be on Tuesday, October 6, at the Jayhawk Hotel, with Goodyear Tire & Rubber Company, Akron, O., sponsors of the awards. Winners will be named in August.

Foot-and-Mouth Disease Occurs Again

Foot-and-mouth disease again broke out in Mexico, less than 400 miles from the Texas border, but was wiped out. Soldiers and cattlemen shot and killed 430 infected animals in an attempt to avoid a major outbreak like the 1946 occurrence. The U. S.-Mexican border was closed to cattle trade on May 23 when first reports of the outbreak reached the USDA.

A team of USDA research men were dispatched to the area to make an investigation and to aid.

Public Sales of Livestock

Aberdeen-Angus Cattle
July 20—Simon Angus Farm, Madison, Kan.
September 21—WRS Angus Ranch, Hutchinson.
September 24—National Aberdeen-Angus Sale, Hutchinson.
October 7—Kansas Aberdeen-Angus Association Feeder Calf Sale, Salina.

Hereford Cattle
September 5—Jay L. Carswell & Sons Dissolution Sale, Alton, Kan.
September 13—Lee M. Smith, Claremore, Okla. Complete Hereford dispersal.
September 8—Circle K Ranch and F. L. Robinson, Beatrice, Nebr.
September 8—Albert Morgan, Alta Vista, Kan.
September 26—Frank J. George & Sons, Lebo, Kan.

September 28—E Ranch, Topeka, Kan.
October 1—Broken Winthrop Ranch, Marion, Kan.
October 5—Beeks & Cleland, Baldwin, Kan.
October 7—Brown Bros. & Streeter Funk, Fall River, Kan.
October 10—BK Ranch, Burr Oak.
October 13—WCK Hereford Association, Belleville, Kan. Geo. C. Wreath, Sale Manager, Belleville, Kan.
October 16—Delford Ranch, El Dorado.
October 17—OK Ranch, Brookville.
October 28—Kansas Flint Hills Association, Cottonwood Falls, Kan.
November 2—Sumner County Hereford Breeders, Wellington.
November 4—Lincoln County Hereford Association, Sylvan Grove, Kan.
November 6—Cowley County Hereford Breeders' Association, Arkansas City, Kan.
November 9-10—Sunflower Futurity, Hutchinson.
November 11—W. H. Tonn & Son, Haven, Kan.
November 18—Bellyacres Ranch, Paxico.
November 23—Solomon Valley Hereford Association Sale, Osborne, Kan.
December 4—South Central Hereford Association, Newton, Kan.

Polled Hereford Cattle

July 11—Joe O'Bryan Polled Hereford Sale, Hiattville, Kan.
September 4—Mar-Don Farm Reg. Polled Hereford Complete Dispersal Sale, Don S. Myer, Columbia, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
September 14—Vic Roth, Hays, Kan.
September 17—Joint herd reduction sale at Fairbury, Nebraska. Ed Valek & Son, Donald Goodyear and E. G. Nesmith & Son.
September 28—E Ranch, Topeka, Kan.
October 3—Midwest Polled Hereford Association, Deshler, Nebr.
October 12—Perry Hedrick & Sons Registered Polled Hereford Production Sale, Anutt, Mo. Donald J. Bowman, Sales Manager, Hamilton, Mo.
October 31—Leo Ebel & Son, Wamego, Kan. and W. R. Zimmerman & Son, Alta Vista, Kan. Sale at Alma, Kan.
November 2—Frank Matheson, Natoma, Kan., and Jake Reich & Son, Paradise, Kan. Sale at Natoma.
November 7—O'Bryan Ranch, Registered Calf Sale, Hiattville.
November 17—O'Bryan Ranch Polled Herefords, Hiattville.
November 20—Central Kansas Polled Hereford Association, Herington, Kan. C. O. Shields, Sales Manager, Lost Springs, Kan.
November 21—Jesse Riffel & Sons, Enterprise, Mo.

Red Poll Cattle

November 11 & 12—Annual meeting and National Sale, Topeka, Kan. F. A. Sloan, Secretary, 3275 Holdrege St., Lincoln, Nebr.

Shorthorn Cattle

October 14—Feeder Calf Sale, Salina.
October 19—Shorthorn and Polled Shorthorn Sale, Cambridge, Nebr. Thos. Andrews, Sale Manager, Cambridge, Nebr.
November 13—Kansas Polled Shorthorn Sale, Hutchinson.
November 14—Kansas Shorthorn Sale, Hutchinson.

Milking Shorthorn Cattle

July 22—Blue Meadows & J. E. Hugenot Milking Shorthorn Sale, Fredonia, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.
July 27—Edward R. Drelich Dispersal, Great Bend, Kan. C. O. Heidebrecht, Sale Manager, Inman, Kan.

Southdown Sheep

July 24—Missouri Southdown Breeders Association, Hamilton, Mo. Carl O. Roda, Secretary, Trenton, Mo.
August 7—Nebraska Registered Sheep Breeders, Lincoln, Nebr. M. A. Alexander, Secretary, Lincoln, Nebr.

Corriedale Sheep

July 27-28—All-American Corriedale Breeders Show and Sale, Columbia, Mo. Rollo E. Singleton, Secretary-Manager, 108 Parkhill Ave., Columbia, Mo.

Poland China Hogs

September 8—Albert Morgan, Alta Vista, Kan.
September 24—Glenn F. Wiswell & Spn, Springhill, Kan.



In the Field

MIKE WILSON
TOPEKA, KANSAS
Livestock Editor

Third Annual Flint Hills Hereford Tour

Wednesday and Thursday, July 15, 16
Wednesday, July 15

7:00 a.m.—Sanders Herefords, Miller, owned by Norton S. and Phil Sanders, north edge of Miller. 1/2 mile south of the Junction of U. S. 50 and State Highway 78. Breakfast meeting.
8:00 a.m.—Inspection of Sanders Herefords.
9:15 a.m.—Sunbryne Farms, owned by Frank George & Sons, Lebo—4 miles east and 1 mile north of Lebo.
10:00 a.m.—Jackson George, Lebo—7 miles east of Lebo.
11:00 a.m.—J D Hereford Ranch, owned by John Brink & Sons, Le Roy—3 miles east of Le Roy. Pasture stop.
11:45 a.m.—W. E. Hazen, Le Roy—3 1/2 miles east and 1 mile north of Le Roy. Pasture stop.
12:15 p.m.—Noon stop. John Brink & Sons—headquarter stop. 3 miles east and 1 1/2 miles south of Le Roy.
1:15 p.m.—Inspection of Brink Herefords.
3:00 p.m.—H. J. Davies, Benedict—2 1/2 miles southeast of Benedict.
4:15 p.m.—Crestview Hereford Ranch, Fall River, owned by Streeter Funk—3 miles west of Fall River.
5:15 p.m.—Greenwood Hereford Ranch, owned by Ed Brown, Fall River—3 1/2 miles west and 1 mile north. Pasture stop.
6:00 p.m.—Fall River Hereford Farms, owned by Ted Brown, Fall River—3 miles north of Fall River. Pasture stop.
7:00 p.m.—Supper and evening program at the Fall River Dam—4 miles northwest of Fall River.

For Reservations:

Anyone wishing room reservations for Wednesday night, July 15, at Eureka for the Flint Hills Tour should write Bill Reed, secretary of the Chamber of Commerce, Eureka, Kan.

Thursday, July 16

7:00 a.m.—Breakfast meeting. City Park, Eureka.
8:00 a.m.—E. S. (Ted) Tucker, Eureka—1 mile east of Eureka. Ivy Carter will give a foot trimming demonstration. Sox Hendry will discuss feeding show cattle. A. G. Pickett will talk on livestock sanitation. L. P. McCan, director of research, American Hereford Association, will be the principal speaker.
10:00 a.m.—J. R. Overstreet Herefords, Rosalia—1 mile east and 2 miles south of Rosalia.
11:30 a.m.—Satchel Creek Ranch, owned by A. D. Ray, Rosalia—2 miles west and 7 miles north of Rosalia.
Noon stop.

A registered Guernsey cow, Eckman's Eunice's Una, owned by ALBERT W. ECKMAN, Baldwin, produced 10,660 pounds of milk and 524 pounds of butterfat. This is according to the official Herd Improvement Registry record released by The American Guernsey Cattle Club. "Una" was a 9-year-old and was milked 610 times while on test.

Lot Taylor, Manhattan, secretary of the Kansas Shorthorn Breeders Association, announced the ANNUAL FIELD DAY, sponsored by this organization for July 15, at the fairgrounds. Kingman, Andy McIntyre, Duquoin, and McIlhenny Brothers, Kingman, are in charge of arrangements for the annual get-together. Everyone interested in good livestock, particularly purebred Shorthorns, should be sure to attend.

A registered Guernsey cow, Vansdale General, owned by KEITH W. VAN HORN, Sabetha, has completed an official Advanced Registry record of 7,890 pounds of milk and 499 pounds of butterfat on twice daily milking for a 10-month period, starting her record as a junior 2-year-old, with The American Guernsey Cattle Club.
"Carol" is the daughter of the registered Guernsey sire, Skyline Triumph's General, that has 7 daughters in the Performance Registry of the club.

With an average of 405 pounds of butterfat and 11,964 pounds of milk, the 21-cow herd of registered Holstein-Friesians owned by LUTHER SHETLAR, Conway Springs, completed their test year recently. Their production averaged about 18 quarts daily for each cow in the herd for the year. Testing was carried on under the official Herd Improvement Registry program of the Holstein-Friesian Association of America. Milking was done 2 times daily.

With 559 pounds of butterfat and 17,450 pounds of milk to her credit, Shettlers Queen Pontiac Rose, a registered Holstein-Friesian cow owned by LUTHER SHETLAR, Conway Springs, has completed a 326-day production test in official Herd Improvement Registry with the Holstein-Friesian Association of America. She was milked 2 times daily, and was 4 years 2 months of age when she began her testing period. Her record averages about 25 quarts of milk daily for the period covered by her test.

Sixty-nine head of Herefords in the P. J. SULLIVAN DISPERSAL SALE, held at Horton June 13, sold for a total of \$11,990 to make a general average of \$174. Eight bulls averaged \$226; 61 females averaged \$167. Top bull was Lot 2, HR Duke Mixer, sold for \$410 to Chas. Finger Jr., Powhattan. Two cows and calves shared the \$250 female top, Lot 63, Pretty Minnie, with twin heifer calves, selling to Russell Pollard, Falls City, Nebr., and Lot 66, Peatunia, with bull calf selling to Albert Schneider, Topeka.

This sale was well attended with the mercury reaching 105. The cattle were in pasture condition and a number of them were of short ages. Charles Corke was auctioneer, assisted by Tom Sullivan, secretary of the Kansas Hereford Association, and men of the various livestock presses.

Beef CATTLE
NOW OFFERING
SERVICABLE AGE BULLS
 Heavy boned, well grown for farmers, ranchers or purebred breeders of Polled Herefords.
PLAIN-VIEW FARMS
ESSE RIFFEL & SONS, Enterprise, Kansas

POLLED SHORTHORNS
 Established — 1907
 Banburys over 150 in herd. Cherry Hill—Oakwood—Coronet blood. None better. For sale: One choice young sire. Club calves, bulls and females. Some of all ages. Including the show herd. No public sale. Prices reduced. You can save \$25 to \$100.
BANBURY & SONS
 Plevna, Kansas
 9 miles southwest of Hutchinson, then west 14 miles on blacktop.

Dual-Purpose CATTLE
Duallyn MILKING SHORTHORNS
 Best sires from Duallyn have improved milking and fleshing quality of many herds. Buy a son of one of the noted proven sires: Imported Iford Earl Gwynne 11th, RM, or Neralcan Admiral RM. Bulls calves \$125 up—write for prices.
JOHN B. GAGE, Rt. 1, Eudora, Kansas

EDWARD R. DREHLE
Milking Shorthorn Dispersal
Monday, July 27, 1953
 1:30 P. M.
 Sale at farm (under cover) 6½ mi. west of **Great Bend, Kansas**
32 FEMALES AND 3 BULLS
 This herd must be dispersed because farm has been sold. This sale includes 13 cows that have qualified for the RM and features get of Fairland Producer 2nd RM (VG) and Rotunah Imperial Model (VG). To help with the sale a few animals are consigned by other breeders. Remember—this is a complete dispersal and includes some outstanding cattle.
 For catalog write:
C. O. HEIDEBRECHT, Sale Manager, Inman, Kansas

BLUE MEADOWS—Fredonia
J. E. HUGENOT—Moline
MILKING SHORTHORN SALE
45 HEAD
Wed., July 22, 1953—1 P. M.
 Sale at Blue Meadows Farm, 3 north on 15th St. and 1¼ east of **Fredonia, Kansas**
 25 Females and 10 Bulls Will be Offered. They are some of the best of the two herds. This will be your opportunity to buy well-bred cattle that should satisfy, as they have done in the past from these herds. Some outstanding and well-bred herd sires have been used as the offering will show. Mark this date on your calendar and attend this sale.
 For catalog write:
C. O. HEIDEBRECHT, Sale Manager, Inman, Kansas

Dairy CATTLE
WISCONSIN DAIRY CATTLE
 Choice Holstein, Guernsey and Brown Swiss Calves. Yearlings and Springing Heifers. Delivered to your farm C.O.D.
Dennis R. Grosse, York, Nebr., Bx. 48, Ph. 1419

SHEEP
MISSOURI STATE SOUTHDOWN SHOW AND SALE
HAMILTON, MO.
FRIDAY, JULY 24
 Southdown rams cross best on any breed for top selling market. Worth more per pound on the market. 25 Rams and 25 Ewes Sell. This consignment is by top 12 breeders.
 For sale catalog and other information contact
CARL O. RODA, Sec.-Treas. TRENTON, MO.

NEBRASKA SHEEP BREEDERS 17TH ANNUAL RAM & EWE SALE
Friday, Aug. 7, 1953
 State Grounds
Lincoln, Nebraska
 9:00 A. M. Judging Registered Sheep and Program. 1:00 P. M. Auction Begins
 90 REG. YR. RAMS & 80 REG. YR. EWES Registered rams and ewes are Hampshire, Shropshire, Cheviot, Southdown, Corriedale and Oxford.
 For information write: **M. A. ALEXANDER, Secretary, Nebraska Sheep Breeders, College of Agriculture, Lincoln, Nebr. Charles Corkle, Auctioneer**

The GRASSLAND ABERDEEN-ANGUS ASSOCIATION held its 3rd Field Day at the Bradley Angus Farm, Calhoun, Mo., Saturday, June 13, with about 300 people in attendance. The program consisted of a junior judging contest, with 1st place going to John W. Nichols, 4-H member of Pleasant Hill, Mo.; 2nd place, Eddie Ridgeway, 4-H member, Appletown City, Mo.; 3rd place, Walter Bradley, 4-H member, Calhoun, Mo. Type demonstration was put on by Jess Brown, manager of the L. M. Thornton Angus Farm, Garden City. Grooming demonstration by Bettie Bancroft, Chilhowee, Mo., and Hal Allen, Belton, Mo. Main speaker of the afternoon was Col. Roy G. Johnston, Belton, Mo. A basket dinner was enjoyed at noon.

Remember, July 25 is the Big Calf Auction "No Money," featured event at the 11TH ANNUAL CK RANCH FIELD DAY at Brookville. Boys and girls under 21 years old will have the opportunity to own a purebred calf at this unique calf auction, where money doesn't mean a thing—where bidding is done on the basis of Gooch Red Circle points from Gooch Feeds and Food Products. This annual field day is sponsored by J. J. VANIEL, owner of CK Ranch, who is donating calves for the auction to stimulate interest in good cattle, breeding practices among farm youth. Many of the calves will come from his own ranch, and others will come from well-known ranches thruout the cattle-raising country. The auction has been enlarged this year from 10 to 40 calves, changes also have been made in rules of the auction to allow more boys and girls to enter the bidding and give them a more equal opportunity. An added feature of the Field Day program will be a beef cattle judging contest for the farm club youths.

JACK AND BOB McEVROY, owners and operators of the Goodland Livestock Commission Company, Inc., Goodland, were hosts to the **KANSAS HEREFORD BREEDERS ASSOCIATION**, June 14. The Kansas Hereford Association and the Northwest Kansas Hereford Breeders made plans for a large auction of range bulls to be held in Goodland early in December. John Brink, Leroy, president of the state Hereford group, announced plans to make this sale an annual event in order to make it easier for the buyers of Northwest Kansas bulls to fill their requirements with a minimum of travel and loss of time. He also pointed out advantages of a large number of bulls from which to make their selections also would be appreciated by buyers. Tom Sullivant, secretary of the state Hereford organization, spoke very highly of the regard cattlemen everywhere have for the big, beefy, practical type of Hereford cattle. A sale committee was appointed to formulate plans for their coming sale. Dr. E. J. Keller, St. Francis, was appointed chairman of the sale committee.

FOUR HOLSTEIN HERDS in Kansas recently have completed a year of production testing in the official Herd Improvement Registry program of the Holstein-Friesian Association of America.

These are: Chester DeWerff & Sons, Ellinwood—13 cows averaged 423 pounds of butterfat and 11,694 pounds of milk in 305 days on 2 milkings daily; Harry C. M. Burger, Seneca—20 cows averaged 448 pounds butterfat and 12,393 pounds of milk in 303 days on 2 milkings daily; Hugh Bowman, Larned—14 cows averaged 568 pounds of butterfat and 14,009 pounds of 4.1 per cent milk in 307 days on 2 milkings daily; Ivan Strickler, Iola—16 cows averaged 413 pounds of butterfat and 11,055 pounds of milk in 299 days on 2 milkings daily.

PARK COLLEGE FARM HOLSTEIN DISPERSAL SALE, at Parkville, Mo., June 8, did not attract a large crowd and those who did attend bid in a conservative manner. Around 50 head were sold with a top of \$315. Second top was \$300. Ten head sold from \$200 to \$300. Buyer of the high-selling female was Paul Alford, Manhattan. This buyer purchased 4 head. J. B. Wiggins, Lawrence, bought 3 head. The rest of the sales offering was purchased by Missouri buyers. Eighteen head went to Mr. Riss, Kansas City. This was an offering of good useful Holsteins, mostly grades. They were sold without fitting and they could have sold at a higher average and still be considered good values from a buyers angle. All farm machinery and dairy equipment were sold. Most of the offering were grade Holsteins. Donald Bowman was auctioneer and sales manager, assisted by Harvey Hartvigsen, Lees Summit, Mo., and Earl Beecher and press representatives.

A production of 5,118 quarts milk containing enough butterfat to churn 719 pounds butter is the recent accomplishment of Aabarax Greeta of Oz, a registered Jersey cow owned by JOHN C. OSWALD of Rotherwood Jerseys, Route 3 Hutchinson. In 305 days on official Herd Improvement Registry test, this cow produced 11,004 pounds milk containing 599 lbs. butterfat at the age of 4 years and 3 months. Sixty-nine days of the record were made on 3 milkings per day, with The American Jersey Cattle Club.

In order that Jersey breeders may determine what production might reasonably be expected of their cows under the same conditions at a mature age, a mature equivalent is used. The record of Aabarax Greeta of Oz on a twice-daily milking, 305-day mature equivalent basis is 10,993 pounds milk containing 598 pounds butterfat.

EARL MARTIN & SON, Duroc breeders of DeKalb, Mo., sold 30 head of bred gilts at the purebred livestock sales pavilion at South St. Joseph, Mo., June 15. Buyers who failed to attend this sale missed an opportunity to buy good useful bred gilts that sold strictly worth the money. The small crowd that attended was not in a buying mood and they bid on these bred gilts, which were in ideal breeding condition, in a conservative manner. The top gilt at \$107.50 went to Dale Hauge, Belmond, Ia. Second top, at \$100, went to L. J. Ely, Rhodes, Ia. Third top at \$97.50 went to Vern V. Ribrecht, Smith Center, Louis Litter, St. Joseph, Mo., paid \$95 for the 4th high-selling bred gilt. The hog top on the St. Joseph market that day was \$24.50 and these prices were too low in comparison to the price paid for market hogs. Bert Powell, assisted by press representatives, conducted the sale.

L. J. NAVRAN HEREFORD DISPERSAL at the Ferd Owen sale pavilion, at Belton, Mo., June 10, averaged almost \$185 on 120 lots. Bull top was \$1,150; female top, \$400. High-selling bull, at \$1,150, went to Fred Wilkinson, Clinton, Mo. He also purchased a number of the higher-selling females. The offering did not carry sufficient flesh to make them bring their worth. Twenty-nine bulls, mostly service age, averaged \$208, 91 female lots, a number of cows and calves, averaged close to \$175. That day buyers preferred to buy them in groups rather than one or two at a time. Con Frazier, Lees Summit, Mo., bought the high-selling group when he paid \$270 for 12 bred heifers. Cows with calves were probably the best buy of the day. Cows were thin and many of them had very young calves at

side. W. H. Hargis, Belton, Mo., was a heavy buyer taking a number of cows and calves and several open heifers. Herefords in this auction went largely to buyers in west central Missouri. Popular families of this well-known breed were featured in this sale. The sale was managed by Donald J. Bowman, Hamilton, Mo. Freddie Chandler was auctioneer, assisted by press representatives.

AMONG REGISTERED HOLSTEIN-FRIESIAN COWS in Kansas whose recently completed production records were recorded by the Herd Improvement Registry Department of the Holstein-Friesian Association of America are the following:

Owned by Kenneth Benedict, Louisburg—Doris Inka Hengerveld Plebe, 570 pounds butterfat, 16,961 pounds milk, 331 days, 2 milkings daily, 8 years 1 month of age.

H. A. Meier, Abilene—Smoky Hill Emperor Deanna Pansy, 506 pounds butterfat, 15,892 pounds milk, 365 days, 2 milkings, 8 years 3 months of age.

Grover G. Meyer, Basehor—Odell Ajax Owana, 452 pounds butterfat, 13,499 pounds milk, 296 days, 2 milkings, 3 years 7 months of age.

Wallace J. Beckner, Belle Plaine—Lettie Bessie, 593 pounds butterfat, 17,087 pounds milk, 321 days, 2 milkings, 7 years 1 month of age.

C. C. Kagarice, Hutchinson—Cannavale Plebe Carnation, 582 pounds butterfat, 16,654 pounds milk, 318 days, 2 milkings, 5 years 1 month of age.

Wilson Brothers, Lincoln—Helen Billy Abbecker, 639 pounds butterfat, 18,110 pounds milk, 365 days, 2 milkings, 9 years 2 months of age.

Chester DeWerff & Sons, Ellinwood—Ken Ver Neil Supreme Aleta, 558 pounds butterfat, 13,240 pounds 4.2 per cent milk, 309 days, 2 milkings, 3 years 3 months of age.

John & George Heersche, Mulvane—Heersche Homestead Beauty, 731 pounds butterfat, 19,055 pounds milk, 312 days, 2 milkings, 8 years 2 months of age; and Heersche Polkadot Jennie, 715 pounds butterfat, 20,600 pounds milk, 365 days, 2 milkings, 6 years of age.

Ivan Strickler, Iola—Dorothy Zarnowski, 478 pounds butterfat, 14,835 pounds milk, 329 days, 2 milkings daily, 8 years 1 month of age.

July 18
Will Be Our Next Issue
 Ads for the Classified and Livestock Section must be in our hands by **Tuesday, July 7**
 If your ad is late, send it in Special Delivery to 912 Kansas Ave. Kansas Farmer, Topeka, Kan.

TREND OF THE MARKETS

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

| | Week Ago | Month Ago | Year Ago |
|---------------------|----------|-----------|----------|
| Fed Steers | \$23.00 | \$23.50 | \$30.00 |
| Hogs | 26.10 | 25.75 | 21.75 |
| Lambs | 26.00 | 28.50 | 29.25 |
| Hens, 4 to 5 lbs. | .20 | .24 | .19 |
| Eggs, Standards | .44 ½ | .43 ½ | .38 ½ |
| Butterfat, No. 1 | .54 | .56 | .65 |
| Wheat, No. 2, Hard | 2.20 ¼ | 2.26 ½ | 2.42 ¼ |
| Corn, No. 2, Yellow | 1.58 ½ | 1.60 ¼ | 1.89 ½ |
| Oats, No. 2, White | .85 | .85 | .91 |
| Barley, No. 2 | 1.39 | 1.15 | 1.34 |
| Alfalfa, No. 1 | 30.00 | 39.00 | 34.00 |
| Prairie, No. 1 | 31.00 | 31.00 | 25.00 |

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 LIVESTOCK AND REAL ESTATE
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HAROLD TONN
 Auctioneer and Complete Sales Service
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Livestock Advertising Rates
 Effective February 1, 1951
 ¼ Column inch (5 lines) . . . \$3.50 per issue
 1 Column inch \$9.80 per issue
 The ad costing \$3.50 is the smallest accepted. The smallest public sale ad accepted is 1 column by 2 inches, costing \$19.60.
 Publication dates are on the first and third Saturdays of each month. Copy for livestock advertising must be received on Tuesday, eleven days before.
MIKE WILSON, Livestock Editor
 8th & Jackson
 Kansas Farmer - - - Topeka, Kansas

SIMON ANGUS FARMS
COW and CALF SALE
Monday, July 20
 at the farm
MADISON, KANSAS
75 COWS
 Eighty per cent will have calves by sale day. 30 of these calves will be by the 16 Times Blue Ribbon Winner, PRINCE EVERBEST SSS 11th. The cows will be sired by such bulls as Prince Sunbeam 29th, Prince Sunbeam 200th, Black Peer 28th of Angus Valley, Ever Prince of Sunbeam, Prince Sunbeam 46th, Prince Sunbeam 105th, Everbest Prince, Prince 500th of Bates, Eileenmere 1032nd, Prince of Rowley Cesor's Evader Mercury and Eventuation of Cremona 9th.

FAMILIES REPRESENTED
5 Gammers, 7 Blackcap Bessies, 2 Barbarosas, 10 Maid of Bummers, 2 Ballindalloch Georginas, and cattle from the following great proven tribes: Chimera, Zara, McHenry Barbara, Karama, Witch of Endor, Ballindalloch Jilt, Edella, Blackbird, Miss Burgess, Eline Erica, Pride of Aberdeen, Queen Mother, Petunia, Enchantress Erica, Blackcap Effie, Blackcape Empress, Blackcap, Juana and Evergreen.

This sale is featuring the Get and Service of a Champion, a Sire of Champions and a 16 Times Blue Ribbon Winner.

We will deliver, free of charge, all cattle with our equipment.

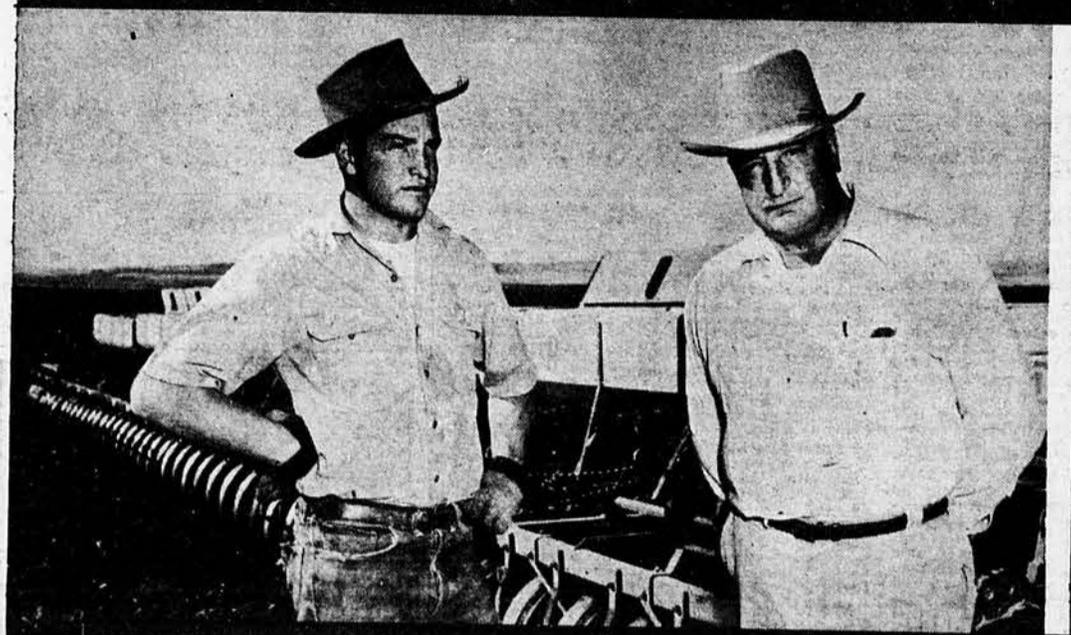
For catalogs address:
J. B. McCORKLE, Sale Mgr., Smithville, Mo.

Auctioneers: Johnston, Sims, Good Mike Wilson for Kansas Farmer

SIMON ANGUS FARMS
 MADISON, KANSAS



Prince 105th of SAF. Reserve grand champion bull at the 1952 International and grand champion bull at the 1953 Fort Worth Show, and many times a reserve champion at the major shows in 1952 and 1953. One of the more popular young bulls of the breed. His service was greatly sought in the Hays Ranch-77 sale. 30 females will carry his service.



Where his drills go down, 70,000 bushels of wheat come up!

At the left, Mr. A. E. Bott and his son, DeMar, stand in front of their largest set of drills which is 54 feet long. At right, the Botts and other son, Forrest, examine the current wheat crop. Behind them is the elevator that carries the grain to storage bin.

Today, farming is BIG business—look at Idaho's A. E. Bott! With two farms, one near Newdale and the other near Idaho Falls, Mr. Bott puts 7,000 acres to work in dry land wheat farming. Each year he cultivates half his acreage, allowing the other half to rest, and he collects a yield of up to 70,000 bushels, or about 20 bushels an acre.

Mr. Bott came to Idaho in 1919 from Pendleton, Oregon, and started with land on a government lease. Today Mr. Bott and his two sons own the farms, three large grain elevators capable of storing 135,000 bushels, a shop that can

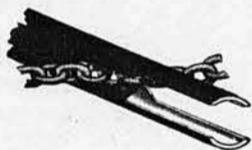
take care of almost all equipment repairs, 3 tractors, 3 sets of drills, 5 combines, 13 weeders, 7 trucks and 4 cars.

Yes, a big farm is really big business and with all that big line of equipment Mr. Bott insists on the very best line of petroleum products—Conoco. As a matter of fact, Mr. Bott has used Conoco products exclusively for more than a quarter of a century. Mr. Bott says: "To give you an idea of the kind of service we've been getting from Conoco products, our D-7 Caterpillar tractor is now over 5 years old and has better than 4,000 hours on it. Yet, although it's

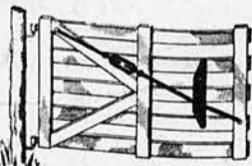
never been touched since we had it, it shows no sign of wear or need for overhaul. And believe me when I say that this tractor really gets some mighty rough use in dusty conditions. We figure that Conoco has saved us hundreds of dollars in repair bills by keeping our tractor motors clean."

The service that Conoco Oil gives Mr. Bott's engines is not unusual—it's typical. It's the kind of performance you can expect if you use Conoco regularly. Next time—just give Conoco a try. Then Mr. Bott and you will both be steady Conoco users. Your Conoco Agent is in the phone book, give 'm a call!

"A short piece of 2" pipe with chain slot (cut with a torch as shown) with pin holes for drawbar, makes a perfect evener for harrow or drag," says Dennis G. Baker, Route #4, Lewis-town, Illinois. "Chain will remain in proper position and will not slip."



"To take warp or twist out of a wooden gate, attach eyebolts, heavy wire, turnbuckle and 2 x 6 block as shown," says F. Scott Lanford, Bar O Ranch, Blanket, Texas. "Turnbuckle adjustment will bring to desired shape."



Stuffed Sausage Rolls

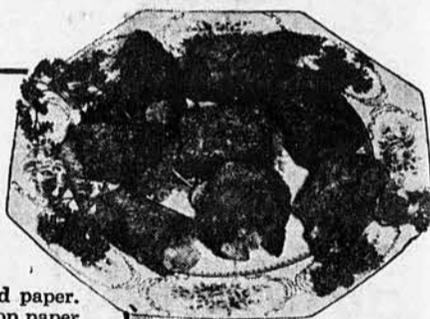
by Mrs. R. W. Riley
Route No 3, Pleasant Hill, Missouri

1 lb. sausage
Bread stuffing made with:
1 qt. soft bread crumbs
2 tablespoons butter or margarine
1 tablespoon minced onion

1 egg, beaten
1 teaspoon Wilson's B-V, dissolved in 1 tablespoon hot water
sage as desired
milk to moisten

Place sausage on waxed paper. Top with another sheet of waxed paper. Roll with a rolling pin into a sheet about 1/4 inch thick. Remove top paper and cut sausage into 8 squares about 4 inches by 4 inches. Place 2 tablespoons stuffing on each square. Roll meat around stuffing. Arrange rolls in baking dish, placing lapped side down to prevent unrolling. Bake in a moderate oven (350 degrees) for 30 minutes. Serves 4.

SHEARS FOR RECIPES! Send your favorite recipes to Mrs. Annie Lee Wheeler, Dept. E, Conoco Cafeteria, Ponca City, Oklahoma. A \$7.50 pair of Wiss Pinking Shears awarded for every recipe published with your name. All recipes become property of Continental Oil Company.



Eat Less! Run Better! Live Longer!

50,000-mile road tests of grueling desert driving, with 1000-mile oil changes and proper filter service, proved that engines lubricated with CONOCO Super MOTOR OIL delivered gas mileage 99.41% as good for the last 5000 miles as for the first 5000. And—engines showed less average wear than 1/1000 of an inch on cylinders and crankshafts! PROOF that CONOCO Super MOTOR OIL, with Oil-Plating®, helps engines eat less gasoline and oil—run better—live longer!

Send your original ideas to The Tank Truck, Dept. E, Continental Oil Company, Ponca City, Oklahoma, and get a genuine \$10.25, D-15 Henry Disston Hand Saw for every idea that's printed!



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Conoco Tractor Fuel
Conoco Diesel Fuel
Conoco HD Oil
Conoco Transmission Oil
Conoco Pressure Lubricant
Conoco Super Motor Oil

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