

ILLINOIS *RSA* NEWS

The Voice of 118,000 Members

September

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Co-op Principles

Cash—Not Credit

You can buy just about anything you want on credit. But business records show that doing business on a credit basis is more expensive. When you borrow money from a bank, you have to pay interest for its use. When you buy goods or services on credit terms, you also pay interest, but the extra charges are usually hidden in the price.

By paying your electricity bill when it is due, you save the expense of interest which your co-op would have to pay on working capital needed to pay its operating costs. Also you save the expense of extra bookkeeping and credit investigators and collectors.

Co-ops also save themselves a lot of ill-will. Even with the best of intentions some of us find our bills running up higher than we planned when we buy things on credit. Every unpaid account must be charged against operations cost. Somebody has to pay for it.

Co-ops sell for cash. This is one of the co-op business principles. It is a good rule because it has been tested and proved over a hundred years.



Spraying Brush Means Better Service For You

AMONG the many problems peculiar to rural electrification, none is more troublesome than brush and hedge control. As every co-op member knows, or should know by now, brush and electricity just don't mix.

Brush, which is allowed to grow, reaches the line, causing outages. The solution, of course, is to get rid of the brush along the right-of-way.

But with 42,000 miles of line weaving through the rural areas of the state, the problem facing the Illinois electric co-ops, is a weighty one. Originally, co-ops tried cutting the brush. This was costly and was not a permanent solution. The brush

would grow back in extra abundance within a few years.

Finally, the co-ops turned to spraying the brush with chemicals. The results hold promise that spraying is the solution to the problem. The chemicals, harmless to man and beast, kill the brush permanently eliminating the expensive necessity of clearing the lines again in a few years.

Just as co-ops pioneered the use of two-way radio communications to solve that one-time irksome problem, they are today adopting new methods to make the co-op member's electric service as dependable as electric service anywhere.

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Editorial Page

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Phony Celebration

CO-OP MANAGERS and other rural electrification leaders were quick to expose as a "phony" Rural Electrification Week celebration. It was the brainchild of a public relations firm hired by a group of power companies to make it appear that rural electrification had been finished and that the power companies had done most of the job.

Some people fell for the propaganda. Generally, however, Rural Electrification Week backfired. Even a number of power companies refused to be a party to the phony affair.

The U. S. Census for 1950 showed that approximately 20 per cent of the farms of America were yet to be electrified.

As one manager put it at a co-op annual meeting last month, "I don't think the job of rural electrification will ever be completed." He meant even when the remaining thousands of farms in the nation get power, rural electric lines will still have to be rebuilt and improved in order to meet the ever-increasing demands for electricity farmers are making.

The propaganda claimed that the REA co-ops had been "Junior Partners" in electrifying rural America. The facts, however, clearly refute this since only 10 per cent of the farms in the nation were electrified when REA was born in 1935. And today, over 3 1/2 million farms have been hooked on to co-op lines.

Those power companies who recognized the contribution made by REA co-ops, were probably as embarrassed over Rural Electrification Week as the public relations "experts" who concocted the phony celebration should have been.

Gaining Momentum

ALTHOUGH the rural telephone program got off to a slow start in Illinois, it has now gained surprising momentum. As the survey of the telephone situation appearing in this issue points out, some 80,000 phone subscribers would benefit from the 12 applications for \$7,899,500 which REA has received from this state to date. So far, the agency has granted two loans totalling \$499,000.

In addition, several phone cooperatives are in advanced stages of formation and applications for loans are expected to be submitted by them in the near future.

Illinois farmers are displaying a greater interest in telephones than ever before. The fact that they have to put up a much larger fee to get it compared to the fee for electric service, does not appear as a deterrent. They understand that the revenue from phone service is much less than from electricity, and that the government must require a greater equity from the borrower for such loans.

As in Illinois, farmers in other states are anxious to get more phones.

Unfortunately, the hopes of the farmers, have been considerably dimmed in the light of recent Congressional action which allowed only \$9 million for phone loans during this fiscal year and the cutting of REA's administrative budget from \$8,500,000 to \$7,750,000. As a consequence of the budget cut, REA has had to dismiss 50 of its employees. Since it takes a lot of time and work to process the loans, the smaller REA staff naturally will tend to slow down processing.

The \$9 million loan fund which Congress approved hardly would do more than take care of Illinois applications. True, the Congress provided another \$25,000,000, if needed, but even the total of \$34,000,000 will fall far short of sums required nationally.

What Our Readers Say

S. DAKOTA READER

... About a year ago I had a copy of your paper. ... I am enclosing \$1.00 for subscription as long as it will pay for. We have had REA on our ranch since 1939 and now are getting on two others. Wonderful to get what a few so-called Americans so stubbornly tried to refuse us.

John H. Wolken
Rapid City, S. Dakota

LAMPS

... I wondered if you could give me some information about a picture on the last Illinois REA News. I would like to know where I can get details, patterns, etc., of the electric lamps the 4-H made at Camp at West Frankfort. Perhaps Mr. Ora Snider, who is in the picture, could help me if I had his ad-

dress. I would appreciate it very much if you could help me, as I am 4-H leader and I would like to use the lamps for a leisure hour project. Waverly, Ill. Mrs. H. E. Rilling

LIKE NEWS

... We sure like the Illinois REA News. There is a lot of good reading in it. I am wondering if in the cartoon on page 18 (July issue) of Grace getting the last word in, you noticed anything wrong with her arm. Her left arm is on her right side. Did any of you folks see the mistake? She better get her arm straightened out instead of the last word.

Odin, Ill. Sidney V. Rivins

Editor's Note: Most "last word" people do need some "straightening out!"

Allen Reporting . . .

By Robert S. Allen

THE country is running head-on into an acute power shortage.

It threatens not only to bog down two key portions of the vast defense program—production of atomic weapons and planes—but to bring "brown-outs" to many areas.

Effect of the looming power shortage is expected to be felt as early as November of this year.

First slated to be hit are North and South Carolina and parts of Virginia, the Pacific Northwest, Kentucky's Paducah region and Northeastern Missouri. High among the victims of the situation will be rural electrification, whose expansion in these areas is practically certain to be stalled for lack of power.

Other shortages will begin developing early in 1952 in Northeastern states and some Midwest sections as demands increase for more power for defense production.

The full details of this grim unpublished story are spelled out in a series of confidential power surveys now on Mobilization Director Charles Wilson's desk. In a nutshell this is what these reports add up to:

Demand for electricity has far out-stripped its expansion. New defense plants and atomic installations will require billions of kilowatt hours that are not in sight.

The Atomic Energy Commission alone has informed Wilson that its greatly accelerated program will need more "juice" than all the aluminum plants consumed during World War II. Meanwhile, the power requirement of the tremendously expanded aluminum program, for airplane construction, is double original estimates. And on top of all that, other key defense projects are bombarding Wilson with pleas for more power.

Behind the Secrecy

What is particularly disturbing about this ominous situation is that Wilson is letting the nation walk right into the power shortage without Congress or the public knowing anything about it.

The lid has been clamped tight on the reports that tell the whole story. In some cases, not even officials of the Defense Power Administration in the Interior Department have seen all the figures. The private utilities, which made some of the surveys, have taken their findings direct to Wilson, thus by-passing DPA. And Wilson has closely secreted the tell-tale facts.

Reason for all this secrecy is very simple: It is due to fear on the part of Wilson's private utility lieutenants that publication of the surveys would upset the recent successes of the utility lobby in slashing congressional funds for public power projects and government transmission lines.

Would Have Effect

The Interior and Agriculture Department appropriation bills, carrying grants for hydro-electric de-

velopments and REA loans, which the lobby axed in the House, have been tied up for weeks in conference between the House and Senate in an effort to iron out the differences between them.

Disclosure that the country faces a critical power shortage would unquestionably have a powerful effect on Congress. The utility lobby is very fearful this information would cause Congress to reverse itself and restore the reduced funds. So the reports are being suppressed and Wilson is doing very little, if anything, about meeting the threat of a grave power shortage.

However, despite this hush-hush policy, this column can reveal some of the suppressed facts regarding the looming power shortage. By areas they are as follows:

SOUTHEAST — A survey of South Carolina, North Carolina and Virginia revealed that, even under the most favorable conditions, these states will have no power reserves for emergency needs next winter.

Says the report, "Should water conditions be adverse, there will be no power reserve whatsoever. In South Carolina, adverse hydro conditions could cause a deficiency estimated at more than 182,000 kilowatts." This lack of power definitely threatens to slow down the construction of the H-bomb plant at Aiken, S. C., and its time-table of operations.

Brownouts may be necessary over a wide area to meet the power deficiency. Even the utility officials in the section have finally become concerned. H. W. Oettinger, an operating executive of the Duke Power Co., Charlotte, N. C., informed DPA that demands for power greatly exceed potential supplies and that the situation would become serious in a few months.

PACIFIC NORTHWEST—Declares another of the suppressed surveys, "Power supply situation is critical and will remain so until some of the larger unauthorized hydro projects can be constructed and placed in operation, probably 1955 or 1956." Brownouts appear virtually certain in this region if defense needs are to be met late this year and in 1952.

KENTUCKY - MISSOURI — Power reserves to meet emergency demands will disappear by December. Despite great expansion by utilities, requirements are growing faster than new power generation. Further, the big needs of the new atomic energy installation at Paducah will greatly add to the shortage in 1952 and 1953. Drastic reductions on the use of power are very probable.

Sounding the Alarm

So far only one Senator has had the courage to speak out frankly about this sinister situation—and his forthright warning went unnoticed, despite its importance.

He was Senator George Aiken, (Vt.).

State Association Annual Meeting Set For Sept. 6, 7

The 10th annual convention of the Association of Illinois Electric Cooperatives will be held September 6 and 7 at the Hotel Abraham Lincoln in Springfield. Delegates from 27 electric cooperatives in the state will attend the meeting.

The program is divided into morning and afternoon sessions. On the first day of the meeting Association President John Sargent will call it to order at 9:30 a.m. The delegates will then hear the reports of the president and manager of the association.

Reports of various committees and associations connected with the State Association will also be presented at the first session. These include reports of the Managers' Association; Illinois Job Training and Safety Committee; Bookkeepers Association; Power Use Advisers Association; and the Safety Instructors.

Highlights

Highlights of the afternoon session, which will be convened at 1:45 p.m., are: Report by Professor E. W. Lehmann, University of Illinois, of his study and survey on a unified rural electrification program in Illinois; a talk on civil defense by D. O. Elliot, deputy director of Civil Defense; and a demonstration by the power use advisers in the state. Allen S. Arnes, and George

Long, REA regional division heads are scheduled for remarks.

A special ladies luncheon program will be held in the private dining room of the Elks Club on Thursday afternoon. Following the luncheon, Mrs. Charles Harman of Springfield will give a talk on the living habits in 29 foreign countries, which she and her husband recently visited.

Friday's session will consist of the election of three directors; a report of the budget committee; an electronic show entitled, "Preview of Progress"; and the presenting of attendance awards.

Luncheons

There will be a luncheon for the delegates on Thursday in the hotel's Palm room. J. E. Hill, director of the State Vocational Education department; and Richard Resler, president of the Illinois Association of F. F. A. will give short addresses. A joint luncheon will be held on Friday at which T. E. Craddock, secretary-treasurer of the National Rural Electric Cooperative Association, will speak.

A banquet will be held in the hotel's ball room, Thursday evening. Rev. Charles Willey of Coldbrook will give an humorous speech. Other entertainment will also be provided. There will be music and group singing, led by A. C. Barnes, manager of the M. J. M. Electric Cooperative of Carlinville.



THERE IS no sense taking chances drinking raw milk when an electric home pasteurizer can make it safe. So says Mrs. Walter Schlichting of Apple River who demonstrates her pasteurizer. Her daughter, Laura, is busy at the electric range.

"When electricity was brought to the farm, it was brought to the place where it was needed the most," Mrs. Schlichting firmly asserts. And the 800 kilowatt-hours she uses in her home each month, emphasize her statement.

A booster of co-op electricity,

Mrs. Schlichting describes the service of Jo-Carroll Electric Cooperative of Elizabeth as "wonderful."

Although the Schlichtings are charter members of the co-op and have been on the lines 11 years, Mrs. Schlichting vividly recalls the struggle farmers had in getting electricity.

In addition to keeping house for a large family, Mrs. Schlichting is active in the Home Bureau, Ladies Aid, and 4-H leadership work. All of her children, three boys and two girls, are or were 4-H members.

Agriculture Bill Provides \$100 Million For REA

The Department of Agriculture bill, submitted by the Congress to President Truman for his signature, provides \$100 million REA loan funds for fiscal 1952 and an extra \$75 million if needed.

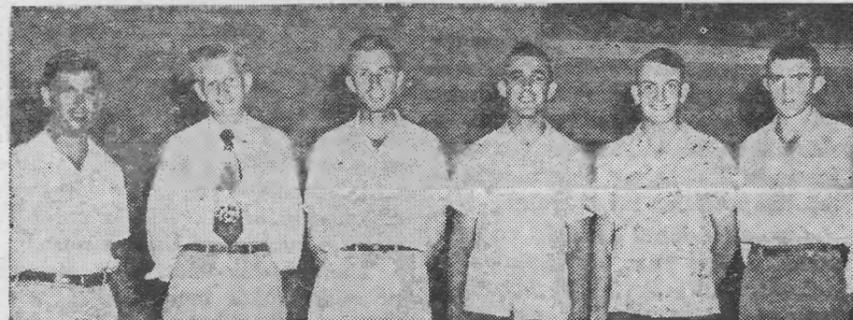
Previously the House had approved \$100 million plus a like amount as a contingency authorization. The Senate allowed \$100 million but cut the contingency to \$75 million. The final amounts were approved by House and Senate committee conferees.

The appropriations bill authorizes \$9 million for telephone loans during the fiscal year plus \$25

million contingency funds if required.

The House had approved \$8,500,000 administrative funds for REA but this was cut to \$7,750,000. The reduction in its budget has made it necessary for the lending agency to let 50 of its employees go.

Senator Paul Douglas of Illinois, had offered an amendment to cut the rural electrification loan fund to \$25 million and to eliminate the telephone authorizations completely. When the final Senate roll call for the amendment was made however, he did not ask for consideration of his bill.



SO THAT future directors will be acquainted with the history and workings of rural electric cooperatives, Southern Illinois Electric co-op of Dongola has established a junior board of directors.

At each regular, monthly meeting, four youths of the co-op area are invited to sit in and are encouraged to ask questions and make comments. They range in age from 15 to 25 years.

Shown above is the first junior board. They are, left to right, Welden Mowery, Ed Brown, Henry Schnaare, George Giltner, Jr., Donald Schick, and Don Rich. Robert Gurley, another member, was not present for the picture. The boys

are representative of the counties served by the co-op.

The training program for future directors is a continuous one with each youth attending six meetings. Then new members are selected. Thus in a few years, there will be a large number of potential directors.

As an added incentive, the co-op offers expense-paid trips to the National Rural Electric Cooperative Association, NRECA regional, and State Association conventions, to three of the youths. Brown will attend the State Association convention, and Schick the NRECA regional meeting. As yet, the selection for the NRECA national meeting has not been made.

Washington Report

By William S. Roberts

POWER companies are beginning to openly attack the tax position of all types of farmers' cooperatives, and their publications indicate municipalities, mutual savings banks or insurance companies, and other non-profit organizations will be subjected to their expensively armed propaganda barrage.

Federal income taxes, of course, are the real issue. For a long time, the utilities limited their efforts to undermine non-profit or municipally-owned power systems through the disguise of the National Tax Equality Association. However, blistering denunciations of NTEA's methods and purposes have evidently convinced the utilities they will be better off in attacking openly.

Congressman Daniel A. Reed (N.Y.) last month hurled a new charge that NTEA uses "nothing less than wholesale racketeering principally for the benefit of an unscrupulous bunch of professional lobbyists and agitators." According to Reed, the real aim of NTEA's demands for pseudo-income taxes on non-profit enterprises is "to cripple, and if possible to destroy, thousands of useful non-profit organizations such as the farmers' cooperatives, building and loan companies, mutual savings banks and mutual insurance companies."

Simply making substantial contributions to NTEA has two glaring drawbacks. The age-old thorn in the utilities' sides has been municipal ownership of electric facilities by towns and cities, which has not concerned NTEA. And some of the NTEA tarnish has been blackening the power companies which contribute to that organization. Thus, as they prepared to seek preferential exemption from excess profits taxes, the private power industry finally cast aside any disguises and openly attacked on the tax front last month.

They weren't bashful, either, in

asking Congress to give power companies special favors in taxation of profits in the same breath that they urged new crippling tax laws for other types of electric utilities.

Charles E. Oakes appeared before the Senate Finance Committee to present the power company appeal. He is a Pennsylvania utility executive, but appeared at the hearing as chairman of the Edison Electric Institute's national "Special Tax Policy Committee." The Senate committee was considering the new tax bill passed by the House, which eliminated a three per cent tax power companies have been paying on billings since the beginning of World War II. The bill also includes a hike from 47 per cent to 52 per cent in corporation taxes, which Oakes believes should not apply in full to private utilities.

After endorsing the House tax gift to the companies he represented, Oakes argued for other special treatment exempting utilities from new higher corporation levies in the defense tax bill. Then he swung at publicly owned power systems, claiming corporate income taxes could and should be applied to these utilities. Particularly, of course, he wanted Federal power projects as well as municipal or cooperative distribution systems taxed as profit-making enterprises are.

Serious question arises as to the constitutionality of Federal taxation of municipal ownership in any form. As far as cooperatives are concerned, no genuine tax can be placed on profits when an enterprise doesn't make profits. The proposal for Federal power projects to be taxed is more red tape to increase the cost of Federal hydro power, and would wind up with the Treasury simply passing money from one pocket to the other.

Promising Dairy Country!

Electricity, Long Pasture Season and Good Market, May Transform Southernmost Illinois Into Prosperous Milking Area

THE hilly and too often long-neglected land in the southernmost counties of Illinois may some day support a prosperous dairy industry. There are definite indications that agricultural leaders in this area are awakening to the dairying potentials that the hilly fields of this area present.

While there are still many difficult problems to overcome before this section of the state can be transformed into the prosperous dairyland which the future holds promise of, the area has right now advantages that are beckoning to ambitious farmers who wish to get in on the ground floor. Among these advantages are, a nine-month pasture season, availability of rural co-op electricity, and an excellent market at Carbondale.

An example of a farmer who believes in the future of dairying in this section is Bob Johnson of Mounds.

Sees Bright Future

Bob grew up on a dairy farm in Minnesota and knows the business thoroughly, although he is still a young man. He had spent some time in southern Illinois. It impressed him as a good place for a young dairyman to get started. He felt that here was a section where there was plenty of room for new operators, a good market and a long growing season. In addition, it would require a much smaller investment to get into dairying in southern Illinois than in the large milk-producing areas in Minnesota or Wisconsin.

If he could bring a herd of high

quality stock, he believed that his chances of success would be extremely favorable.

So, a year and a half ago, Bob went back to Minnesota and gathered together a herd of 15 purebred registered Holstein, which he brought with him to the Mounds farm. The herd now numbers 25 cows and he is producing about 40 gallons of milk a day. The cows average about 400 pounds butterfat.

After a year's operation, Bob is just starting to make money. However, he has had to battle some tough breaks, including the recent flood, which destroyed a 40-acre cash crop of beans which he had counted on heavily. Another stroke of tough luck came this year when seven of the 10 calves were bulls.

Not Only Problem

Bob knows a few things now that he didn't when he first decided on his dairying venture in southern Illinois. He realizes that quality stock is not the only problem which a farmer will have to solve if he expects to make a success in that area.

The low fertility of the soil and the smallness of his acreage—he rents a 100-acre farm—are serious problems, he says. "We've got to improve the pastures and also find some way of taking the gamble out of making hay. I believe it can be done and I am definitely convinced that southern Illinois is going to be fine dairy country some day."

If the landlords, who own much of the hilly, not-too-fertile, land, come to realize that they have much to gain by promoting the dairy busi-



BOB JOHNSON came down from Minnesota with a herd of purebred Holstein to start a dairy farm at Mounds. He sees a bright future for dairying in southern Illinois although there are still problems to lick.

ness, the entire area will benefit immeasurably.

Will Help Soil

"Dairying is just the thing to bring this land back in high production and to make it fertile again," says Johnson. And a prosperous dairy industry will add to the prosperity of the entire section.

As for the farm he rents, he believes that it will take at least 10 years to bring the soil back to high production. He realizes that his limited capital will be strained and that without a silo and other helpful equipment, the road ahead is going to be a rough one. He hopes he can stick it out.

However, with the encouragement and assistance of agricultural and community leaders in southern Illinois, whose vision makes them share the same faith in the future of southern Illinois as a dairying country, the problems can be licked.

Also, the rural electric cooperatives in this area are hoping that dairying will grow. With their lines fanning out in all directions, electricity, which, as Bob says, is essential in the dairy business, serves as another inducement.

According to Johnson, the service which he receives from Southern Illinois Electric Cooperative of Dongola has been excellent. Even though it reaches him through some wild, and woody country, he has never had to milk by hand.

Lots of Current

To conform with the requirements of the Grade A market, Bob, as might be expected, uses quite a bit of current each month. His average runs between 500 and 600 kilowatts. He has milking machines, a water system and a milk cooler, in addition to a home that is

equipped with a large variety of electric appliances.

Another organization that is actively assisting in promoting dairying in southern Illinois is the Prairie Farms Creamery of Carbondale, an Illinois Agricultural Association affiliate.

According to Norman Rushing, field director, the creamery has imported 1,400 calves from Wisconsin during the past few years, selling them to the dairymen in the area. This has resulted in an improvement in the herds and an increase in the milk production.

Rushing believes that herd improvement is still the number one problem facing southern Illinois. He thinks that pasture improvement is coming along satisfactorily.

Nearly as important as better stock, Rushing says, is the problem of silos. "There are not enough silos on the dairy farms down here and, it seems to me, that a dairyman just has to have a silo in order to make a success of the business."

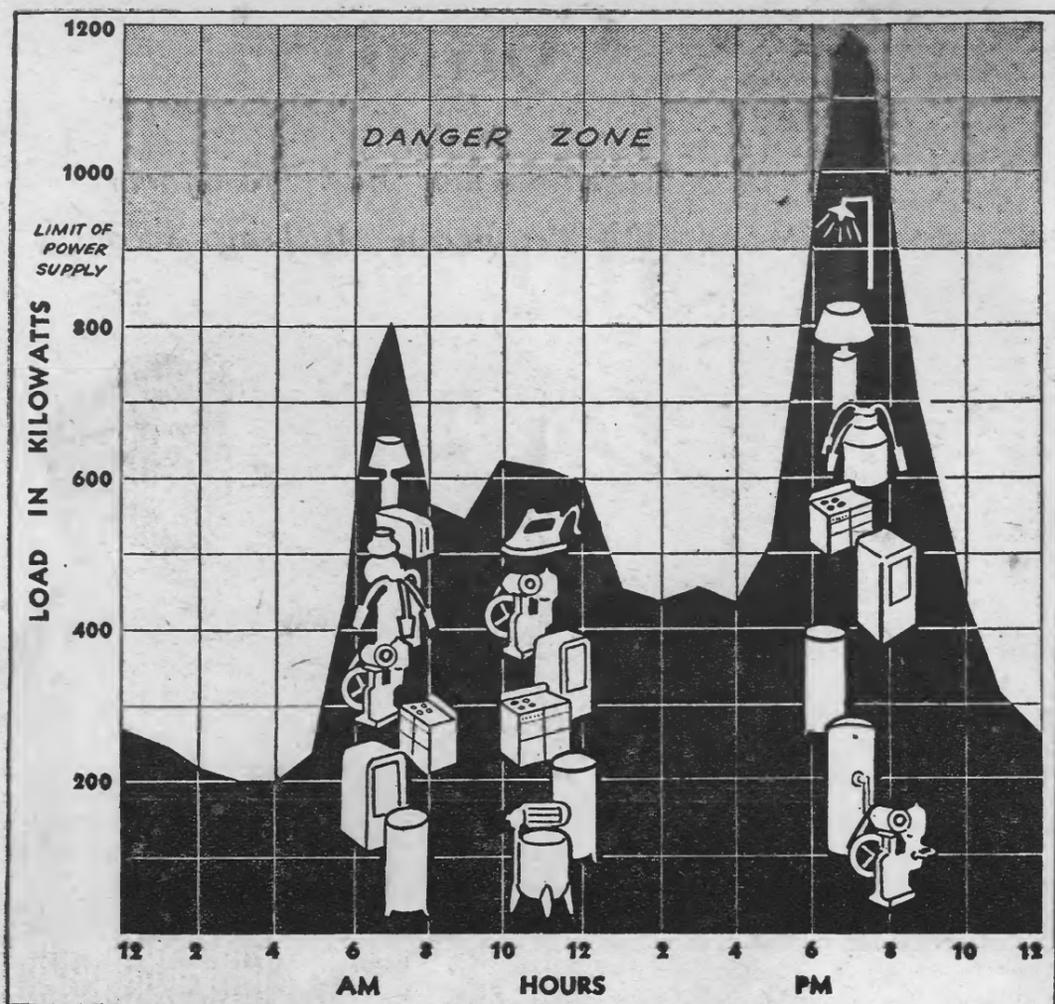
The steadily increasing volume of milk which the Prairie Farms Creamery has been handling during the past few years is indicative of the gradual expansion of the dairy industry in southern Illinois. Rushing said that his organization could handle a lot more milk and it is anxious to see more dairying.

He points to the very strong milk market at Carbondale, which has averaged 40 cents a hundredweight over the Chicago market during the last two years, as a real incentive for dairy farmers to increase their production and for new people to get into the business.

The long growing season of nine months, and in some cases, 10 months, is another factor which he says should make southern Illinois a prosperous dairying country.



"A MAN CAN'T make grade milk without electricity," Bob declares as he demonstrates one use to which he puts the power of Southern Illinois Electric co-op.



HERE'S WHAT the daily demand of one midwestern co-op looks like. Notice the uses that go to make up the load during peak periods. Only the high evening peak gets into the danger zone. But plenty of power is available during the "off-peak" periods.

The Problem Of The 'Peaks'

Use of Electricity During 'Off-Peak' Periods Helps Co-ops Increase Efficiency and Provides Steady Service

THERE is enough electricity for everybody on rural lines—providing it is used wisely. In fact, the wise use of electrical energy during the periods of "off peak" power will actually increase the value of their electric service to co-op members.

The production, distribution and use of electricity has in it a problem much like one that every restaurant owner faces. The restaurant owner estimates the number of tables and chairs he needs for his maximum business at the regular eating hours. The total number of persons he can accommodate represents his "peak" load.

However, for a good number of hours during the time the restaurant is open those places are unoccupied. This is "off peak" load.

Trouble Starts

At meal times there may be a rush of customers that exceeds the seating capacity. This is when trouble starts. The same situation occurs on co-op lines during certain hours of the day and night. Everybody wants to be waited on at once. If the situation is serious enough, on some lines, low voltage may result temporarily; or, sections of the line could be without service.

Both the restaurant owner and co-op manager would like to smooth out their service—make use of the "off peak" time. Because of the eating habits of people, the restaurant owner can't do much about his situation. Fortunately, the co-op manager can. That is, if he has the understanding and cooperation of co-op members on the "off peak" problem.

In general, on rural electric lines the peak uses of electricity run on a regular time schedule.

From the hours of six to eight in the morning the "morning peak" is experienced. A review of farm chores and household activities will show why that "peak" exists.

Later in the morning there is

another period of high use of electrical energy on farms. This is called the "noon peak" and runs from approximately 10 a.m. to noon. This peak is less serious than the morning period that occurred earlier.

The most serious "peak" is the evening peak, occurring during the hours from six to eight p.m. During winter and fall months, when both inside and outside lights are in use as well as other appliances and equipment, this can be considered a danger zone as the demand for electricity may exceed the limit of the power supply and the electrical service may be affected.

These "peaks" are not characteristic of rural service only. They exist in city services as well. In the cities, however, the industrial and other heavy users can be regulated in their current use to conform with the peak curves in order to level the load demand.

Sharp Breaks

Regardless of the electrical system, there is almost no period during a 24-hour-day where there is a steady flow of use from one hour to the next. Instead, there are sharp breaks and dips in the amount of power used, except of course, in the very early morning hours, when consumption is the lowest.

The problem is one of wise use of electrical energy during the "off peak" hours in order that all the uses for which it can be used can be fully realized by co-op members.

For the typical co-op, there are usually only about five hours out of the 24 when it can reasonably be expected that the use of farmstead power should be limited in any way because of the peak demand. On some lines this may be even a shorter time.

This means that for at least two-thirds of the day and night there is no real reason why power should

not be used up to the full capacity of the generating and distributing equipment serving the average co-op.

Luckily for farm producers and co-ops, the uses of electricity which can be developed most effectively during those off-peak hours are those farm uses which tend to increase the farmers' income.

"Off-Peak" Uses

Here are a number of money-making ways in which "off-peak" electrical energy can be used on farms:

The use of lights in poultry houses to increase production during fall and winter months is largely an off-peak operation. It can be made more so by using automatic controls to avoid evening lighting and increase morning lighting.

The farm water system can be tied in nicely with the off-peak use of the current. Although use of water in the home before and after mealtime will, of course, create somewhat of a load problem, much watering of stock can be done during off-peak hours.

Use of automatic waterers in hog, dairy, and poultry operations will increase consumption of water throughout the day and night.

Use of pumps for irrigation or for oil production, which run steadily throughout the day and night help flatten out the demand curve.

Electric Motors

Another broad field for off-peak uses of electricity that boosts farm income is in the handling of chores with the help of electric motors. These motors do jobs that would ordinarily be done by hand or other types of power.

Small motors can be used for running grinders, lathes, compressors, and the various tools in the farm shop. These motors can be operated in the late evening or during daytime off-peak periods.

Welding, a heavy use of power,

is ordinarily done during off-peak hours.

Although farm-ground feed and shelled corn is fed during morning and evening peaks, the grinding or shelling can be done by electric motors during off-peak periods. This is likewise true of feed mixing, ensilage cutting, hay hoisting and other farm chores involved in feeding operations.

More recently crop drying has loomed large in farm operation. This practice of drying stored crops affords an excellent use of off-peak electricity.

Crop Drying

In the case of a crop that when first placed in storage which would have a tendency to heat, this tendency could be combated by having air blown into the bins during the daylight off-peak periods and during the long night off-peak period. This could be continued until the right moisture content for storage is reached.

Later, in the drying process it may be desirable to eliminate the night drying. At that point it might be possible to use manual or automatic controls to limit the drying operations to intermittent off-peak periods in the daylight hours.

Electrical engineers have long been at work on the off-peak problem. Naturally, the solution of the problem has been more satisfactory in city than in rural areas.

Experiments have been made with water heating and home heating during off-peak hours. No doubt, these practices will come into rural areas.

Meanwhile, farmers can better assist their electric cooperatives by understanding the general problem of electrical use as illustrated by the off-peak load.



IT IS a sad commentary on the progress of this country that farmers do not have more, or better, phones today than their grandfathers had 50 years ago. How ironic it is to travel rural roads in Illinois and find modern, electrified farmsteads, with all the conveniences of up-to-date living—except phone service.

A survey made a couple of years ago showed 56 per cent of the farms in one electric co-op area were without telephone service of any kind. The other 44 per cent either had the old fashioned wall-type phone with the side crank handle, or had some other type of phone. However, the service which was available ranged from very poor to fair. Few had what could be considered excellent service.

As a remedy for poor rural phone service, Congress two years ago, enacted a law similar to the REA act, which set aside money for the building of new rural phone systems, or the improvement of existing phone facilities. After a somewhat slow start, the phone program is gaining headway in Illinois. A recent report from REA listed applications for 12 phone loans amounting to \$7,899,500 for Illinois. The loans would benefit 80,207 subscribers. Two of these loans for \$499,000 have been approved and allocations made.

Instead of the "nerve-wracking, tormenting, devilish piece of junk, run by a crank-handle," which Senator Paul Douglas described at a co-op annual meeting a couple of years ago, rural phones can be comparable to those found in city homes. Illustrative of the type of rural phone service possible under the new loan program is the Woodlawn Telephone Company of Woodlawn.

Owned and operated by D. A. Stephenson, who also doubles as president and manager, the rural phone company received the first REA-phone loan in the State. It is an up-to-date rural phone system. Automatic switching equipment with party-line dial phones give the rural dweller quick access to anyone on the line, or to the market center at Mt. Vernon.

Because it is more feasible and



economical to have party lines in rural areas, the Woodlawn company at present averages 10 consumers to a line on its 48-mile system which serves 228 subscribers. But, all have a chance to use the phone. The company has installed an automatic time disconnect. Local calls are cut off after six minutes. A warning buzzer sounds before the cut-off.

Increase Service

With the REA-loan money, Stephenson says he expects to increase the number of his subscribers in the area and to decrease his party lines down to eight parties. He plans to make service available to 100 more rural homes. "As long as I am in the phone business," he says, "I want to do the best possible job." The REA loan funds were his only means of getting sufficient capital to expand, he adds.

A second REA phone loan was made to the Champaign County Telephone Company. It will be used to change the system phones from the hand crank models to dial phones. The new telephone service will then be extended to 397 new subscribers. At present the phone company is serving 1,218 consumers in rural areas of Champaign, Piatt and Vermillion counties.

In areas where the present phone systems have either failed to indicate eagerness to improve or are too antiquated and burdened with debt, rural dwellers have taken the initiative once more upon themselves and have started organizing phone co-ops, similar to their electric co-ops. In many instances the electric co-op has sponsored the start of such organizations.

Organize Phone Co-ops

There are two phone co-ops in the State which have been organized and have either applied for a

phone loan, or have plans to apply for one. The Mid-Century Telephone Cooperative of Canton, sponsored by the Spoon River Electric Cooperative, has already applied for a loan to bring phone service to 450 subscribers in one section of its proposed area.

According to L. C. Groat, manager of the electric co-op and coordinator of the phone co-op, there is a potential of 4,000 members for the telephone system. More than 1,000 persons have signed memberships and more are applying each day. The co-op has a nine man board of directors and will cover an area 75 miles long by 25 miles wide, most of which is in Fulton county.

Groat made it clear, "The phone co-op will be a separate organization. It may hire and rent some services of the electric co-op, but it will pay its own way." The coordinator explained that by starting in a small area first, the co-op will be able to get a sound 'footing' before it tries to expand. He said the plans are to start construction of the system this fall, if the loan is approved.

McDonough Phone Co-op

In the nearby county of McDonough, the McDonough Telephone Cooperative has been organized and incorporated. Like Mid-Century, it is working in conjunction with the area electric co-op, which is the McDonough Power Cooperative of Macomb. After a very active membership campaign, Coordinator Arthur H. Peyton, who is the electric co-op manager also, reported there were more than 1,000 signed memberships with 2,000 other persons indicating interest.

Peyton said the phone co-op was organized after preliminary meetings showed there was considerable

Better Rural PHONES Are On The Way!

★ ★ ★

interest in having good rural phones. One man from each township in the county was appointed to secure memberships. Each member paid a \$5 membership and agreed to pay up to \$45 more.

The coordinator explained that this additional payment may be required of phone co-op members because REA-phone loans, unlike electric loans, require a membership equity. "Because of the greater risks of operating and maintaining a phone system, and because the level of earnings of a rural telephone business is relatively low and tends to remain constant, this membership equity is needed," he pointed out.

Maps are being prepared and a loan application will soon be made to REA, Peyton said. The proposed system will have automatic switchboards located in five or six of the towns in the area served. All phones will be of the dial type. Any phone systems in existence now in the area would be purchased at their face value, Peyton added. And, as an economy measure, the phone co-op will rent some of the poles of the electric co-op to string their lines on.

Southern Illinois

Down in southern Illinois, two separate telephone co-ops have been tentatively formed. At a meeting held in Columbia in Monroe county it was voted to inquire of REA of the feasibility of a loan for a phone co-op in that area. A committee was appointed to proceed with further plans for setting up the co-op.

Under the proposed organization, stockholders of the Farmers' Fountain Company, an existing mutual serving parts of the area, would form the nucleus of the new co-operative. The proposed phone company would furnish service to an estimated 1,000 patrons.

The Southern Illinois Telephone Cooperative at Anna, sponsored by the Southern Illinois Electric Cooperative of Dongola, has been formed and has 120 signed memberships now.

Over in the west central part of the State, the Adams Electrical Cooperative of Camp Point is promoting the organization of a phone co-op. Over 150 persons have signed memberships. Center of the proposed telephone co-op area will be Augusta. Phones will be of the dial type also, but there will be an operator to handle long distance calls.

This then, is the picture of rural phone systems, present and proposed, in Illinois today. With a lot of determination and hard work, rural people may eventually have completely modern phone equipment, thus erasing the eye-sore, wall-type crank phone, a symbol of the outdated phone service too long prevalent in rural areas.

FARMERS CHOOSE THE NEW 12 CU. FT. KELVINATOR FOR BIG SPACE, BIG VALUE!

From Maine to California, farm families are getting the Kelvinator with Cold-Clear-to-the-Floor, Big 38-lb. Frozen Food Chest, Super Crisper!

Only \$329.95*

It's a BIG success—it's going into farm kitchens everywhere! It's the BIG capacity Kelvinator built especially for the needs of farm families. 12 cubic feet . . . cold-clear-to-the-floor as originated and built best by Kelvinator! We say, just see it, and you'll be convinced it's for you. For you'll see the husky Frozen Food Chest . . . Kelvinator's full-width cold Super Crisper . . . and nineteen square feet of shelf space!

You'll see and feel top-flight Kelvinator quality that means

better foodkeeping performance, longer-lasting dependability. You'll find that Kelvinator's Polarsphere cold-maker is sealed in steel, never needs oiling . . . has been time-proved in millions of homes!

Yet, with all these great features, this Kelvinator is the lowest-priced big-capacity refrigerator among 9 best-known makes! Only \$329.95*. Don't delay. See it now . . . at your Kelvinator dealer's!

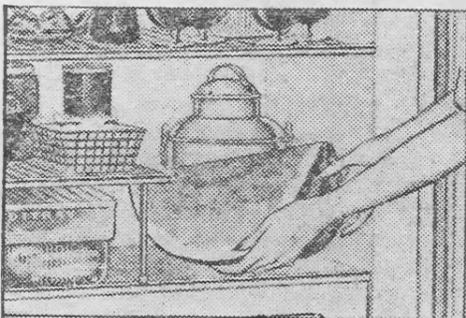
*Suggested retail price for delivery in your kitchen with 5-Year Protection plan. State and local taxes extra. Price and specifications subject to change without notice.



Big Frozen Food Chest pleases all the family!

Farm families say it's a big reason they're choosing this Kelvinator! In this handy Frozen Food Chest, there's room for big meat cuts, chicken, fish and game, big containers of ice cream. Fast, dependable freezing. And Speedy-Cube ice trays release cubes quick as a wink! Save time and energy with this Kelvinator "frozen food headquarters" . . . in your farm kitchen!

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One look at Kelvinator's adjustable space convinces farm people it's a feature just like they would have designed themselves! In a jiffy, you can adjust the center shelf and lower half-shelf . . . make room for a jumbo watermelon, turkeys, or odd-shaped containers. Above, there's room for 16 square quart milk bottles. Kelvinator users say these shelves save precious household time . . . solve "where-to-put-it" problems!



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Farm wives find plenty of use for Kelvinator's Super Crisper with its huge space . . . that refrigerates over a bushel of fruits, vegetables, canned and bottled goods. It's extra space for the money, thanks to Kelvinator's famous cold-clear-to-the-floor design.

Plug-in Butter Chest is Exclusive Accessory!



Kelvinator's plug-in Butter Chest accessory, shown at left, is only one of its kind . . . lets you dial the "spreadability" you prefer!

And in the handy Meat Tray, you can keep small roasts, steaks, bacon, etc. The Handitray, usable on any shelf, gives moist-cold storage for garden greens.

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the finest food protection. And choose a Kelvinator Electric Water Heater for a constant, work-free, automatic hot water supply! See other great new Kelvinator refrigerators for farm use, too!

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Oldest Maker of Electric Refrigerators for the Home!

Gustav Miller—An Inventor From Way-Back

WHAT'S it take to be an inventor?

"A challenging problem; an idea of how to solve it; lots of work; and a few prayers," is how Gustav L. Miller of Geneseo explains it. An inventor from 'way-back', Miller is a retired farmer, musician, vaudeville performer, and bowling alley proprietor.

But now he spends most of his time thinking up new inventions, many of which are concerned with the eradication of insect pests, particularly the corn borer. Still a farmer at heart, Miller considers the farmer's problems his own. He is a member of the Farmers Mutual Electric Cooperative of Geneseo.

The inventor has patented and applied for patents for over 25 different inventions, ranging from a bug killer to suction caps for false teeth. He says he got his start in 1908 "when just a young kid of 20." It was then he developed a hand hook for picking corn.

Sets Record

"With it I picked 201 bushels a day," he says. It set a record for the time and during the following years, the young inventor toured the country on the legitimate stage demonstrating his skill with the hand corn picker.

Once bitten by the inventing bug, Miller was constantly busying himself with turning out more and more inventions. Among his original products are numerous sprayers and dusters, weed and cornstalk slashers, a snowplow and loader, a grain harvester, a grain raiser, fly trap, rat trap, a poison can for moles and a number of other things, including a small burglar alarm.



GUSTAV MILLER, left, is showing Arnold Frank of the Farmers Mutual Electric Cooperative of Geneseo one of his many patents. The inventor has patented and applied for patents on over 25 different inventions.

The inventor-farmer developed his first bug-trap lamp in 1946. He installed it atop his barnlot light pole. It worked on the principle of light attraction of bugs to the trap, where they were destroyed by a highly concentrated insecticide.

Inspires Idea

"It did the job all right," he declares, "but, I believe I did place it a little too high up for maximum results." He says he got the idea for the trap when he was playing

baritone horn in a band. The winged creatures, he observed, would flutter excitedly around the lights in the band stand, then dive into the conductor's open collar.

This keen sense of observation prompted him to utilize this habit of the insects in developing a trap to kill them. "They literally kill themselves," he remarks as he explains how simple habits can be turned into practical inventions.

He designed his reflectors with

ridges to delay the retreat of the bugs from the lamps and hold them in contact with an insecticide until they dropped off dead. It has an added advantage of not harming bees, because they don't fly at night, the inventor is pleased to point out.

Four Models

In all, he has invented four models of light traps. He advocates the use of such lamp traps in fields, in orchards, on hunting and fishing trips, on porches, and on street lights.

Miller's latest patent is on a tractor tire with long and short 'teeth'. He explains it is used to break up and pulverize cornstalks and weeds. An indirect object of the invention is to provide a means for the destruction of corn borers and their eggs.

At present he is working on two more inventions—an odorless ash-tray and a deodorant fan. Ideas for inventions such as these, come from knowing people's wants, the inventor declares. "I just think of what they would like to have, and then see if I can do something about getting it made. And, I'm not always successful either."

Though Miller's musical interest is now mainly that of an ardent appreciator, he recently revived it somewhat when his insect control inventions led him to compose words and music to a new song called, "The Mosquito's Last Waltz." And, if Miller has anything to do with exterminating the pest, it will indeed be the insect's last dance.

Menard's History Reveals Use Of 'Teaser'

LOCATED in the heart of the Lincoln lore country in Central Illinois is the area served by the Menard Electric Cooperative of Petersburg. Over the co-op's 1,970 miles of rural line electric current is furnished 4,951 members.

A. E. Becker, manager of the Association of Illinois Electric Cooperatives, and first manager of the Petersburg co-op, recalled that "it took months and months of school-house meetings to get members signed for service."

The former manager said the Petersburg system was started in 1936 when it obtained an REA loan of \$135,000 to construct 116 miles of line to 348 members in Menard and Sangamon counties. The line was completed in March of the following year and power was purchased from the municipal plant of Springfield.

Use Psychology

During the early years of the co-op's history, Becker pointed out, "the low density of potential members in the area made it almost imperative that we obtain as many signed members as there were farmers." The scarcity of money and a fear of "expensive" electricity led the co-op to adopt "psychology" in getting them signed up.

A "teaser" unit was developed. It consisted of a transformer mounted on a trailer truck. It was connected to the co-op's line at a potential member's home and outlet wires were strung from it into the house. Two lamps, floor and table model, an iron, radio, and washing machine completed the unit.

The potential member was allowed the use of the service, plus



MANAGER BELL compares the growth of the Menard Electric Cooperative with the increased size in transformers needed at the co-op's new substations. On Bell's left is the transformer used at the co-op's first substation and on his right is the transformer now in use at the substation.

the appliances, for a week's time free of charge. "Once he saw how convenient service was, you usually had him sold," Becker declared. "And I know of no case where the teaser failed."

Besides being manager, Becker served as co-op president for two years. "I also was right-of-way man, too," he added. The first office was set up in the Menard Farm Bureau building in Petersburg and

consisted of the manager and a secretary.

With the rapid growth in rural electrification, the co-op soon outgrew its facilities and expanded into a large structure of its own. The new headquarters is located on the square in Petersburg and has an adjoining warehouse and garage in the rear.

Over the 15 years existence of the co-op, 13 loans have been received from REA. This is a total of \$2,600,000, \$346,000 of which has already been repaid. In addition, the co-op has \$43,000 in pre-payments. Never in its history has it defaulted on a payment.

Manager Bell

After Becker became state manager, Howard O. Bell, bookkeeper of the co-op, was appointed manager. Bell started to work with the co-op in 1942 and assumed the managership in 1949. The present manager said, "The co-op has never stopped growing since it was first energized."

The construction program is still in full swing, though now it is mainly concerned with rephasing and increasing existing facilities. The original substation has been increased 10 times its first capacity of 450 KVA, and two more substations have been built.

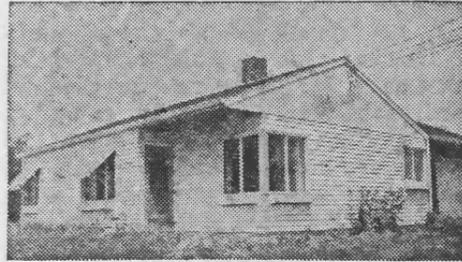
Future plans call for the construction of three more substations, made necessary by "the unanticipated loads built up by the members," Bell pointed out. Since the co-op's teaser unit started 'selling' service, the members have steadily increased their usage.

SOME REA MEMBERS WHO ARE NOW USING ...

...the new age
sunshine heat

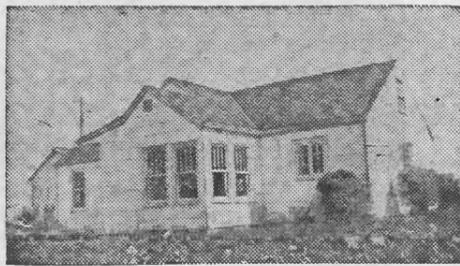


Mr. and Mrs. Harry Buck, 5 miles west of Pana, have purchased the old homestead and are modernizing completely; Heating will be 10 radiant Glass panels. Served by Shelbyville Electric Co-op.

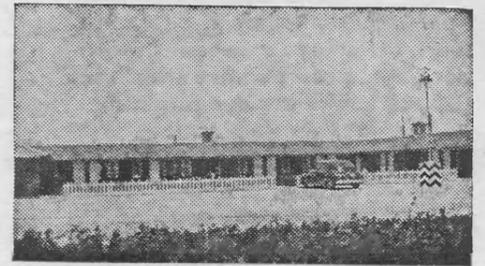


Two bedroom home of Mr. and Mrs. Alan Herzberger, 2 miles south and 2 miles west of Virginia. The first REA home in Illinois to be heated with Radiant Glass panels. Cost for 1950-51, a winter 10% colder than normal, was 10,800 kwh—\$172.00. Audace Herzberger (father) is a director of the Menard Electric Co-op. Father and 2 sons farm 490 acres and are now building a second home to be heated electrically for son Glenn. "The heat is just wonderful—even with a special recording meter people don't believe costs are so low."

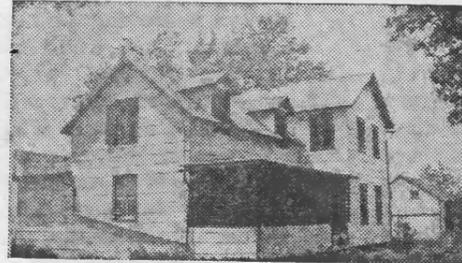
Electrically heated home of Mr. and Mrs. Keith Pendarvis, located 6 miles north of Bushnell. McDonough Power Co-op. Raises lots of hogs and will experiment this winter with glass panels in the care of the little pigs.



19-Unit Varner Bros. Motel, Subway 66, just north of Litchfield. "We did not have a single customer complaint the entire winter, and we are gaining many repeat customers." Served by Rural Electric Convenience Co-op.

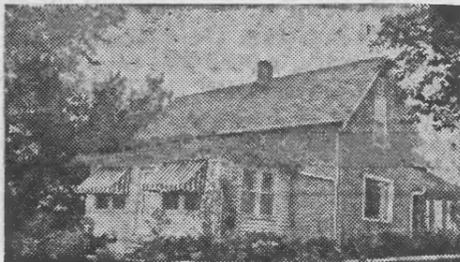


Mr. and Mrs. Norman Dean, R. R. 1, New Salem, Pike County. Farms 240 acres, specializing in hogs. He uses the five-year rotating plan and has more hogs than corn. He estimates there are 600 little pigs uncounted down in the woods. Mr. Dean is the first member served by the Illinois Rural Electric Company (the co-op with its own generating plant) to install a complete heating system of Radiant Glass. Has a four bedroom house—yearly estimate, \$280.00.

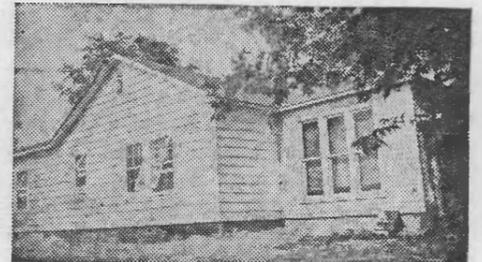


Miss Maude Sweeney, Route 9, 16 miles west of Canton. Spoon River Electric Co-op. Installed 13 Radiant Glass panels when the homestead was remodeled a year ago.

Mr. and Mrs. H. E. Montgomery, Birds, Lawrence County, Norris Electric Co-op. Have used the Continental Glass heat for 2 years. Mr. Montgomery has a real estate business in Springfield, farms 80 acres as a hobby. "The heat is just wonderful. It's ideal, as we can pick up and go at any time with safety."



Electrically heated by Tri-County Electric Co-op, home of Mr. and Mrs. Addis Huff, R.F.D. College Street Road, Salem. Partnership with 2 sons; do a general farming, specializing in white-faced cattle.



● **SPACE-SAVING**

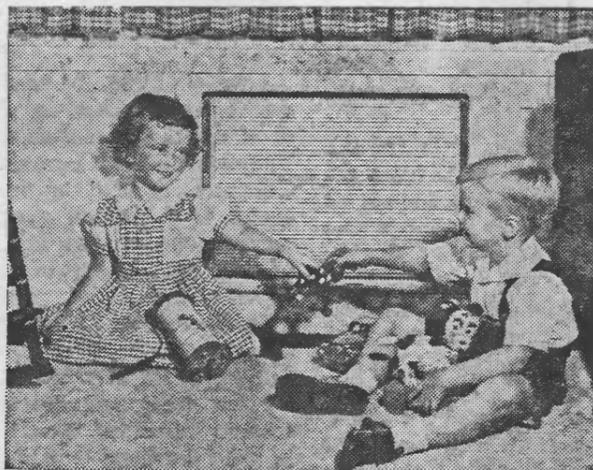
Radiant Glass heating is space-saving. Does away with cumbersome radiators. No chimney—no furnace—no ducts—no tanks—no coal bin.

● **SAFE**

Radiant Glass heat is safe—no glowing wires or motors to burn out and become a fire hazard. No danger of fire, monoxides or explosions. The electrical grid is powdered aluminum fused directly into the glass. The glass is tempered for strength, durability and shock, and withstands blows of considerable force. Due to the low conductivity of the glass, no searing or blistering will be caused by quick contact when the heat is on.

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Radiant Glass heat is clean—no soot—no smoke—no odor—no fumes or oily film—no blowing dust, ashes or steam.



Low Cost Installation—The installations of radiant glass heating is extremely simple and can be done easily and quickly. Including all wiring, panels and controls, the installation of a Radiant Glass heating system can usually be accomplished for less than the cost of the conventional oil, gas or coal, steam, water or warm air systems.

● **LOW OPERATING COST**

Contrary to widely accepted belief, the cost of Radiant Glass heating is in line with competitive fuels. No maintenance is required—nothing to burn out or wear out. Glass begins to radiate heating rays approximately three minutes after current is turned on.

● **ZONE CONTROLLED**

Radiant Glass heating offers simplified zoning by means of individual room thermostats. Heat supply in unused rooms need be just adequate enough to prevent freezing. With thermostatic controls (to within 1/2°-3/4°) in every room, fewer kilowatts are used.

● **EFFICIENCY**

Continental Radiant Glass panels heat directly from the glass by infra-red rays to you. The objects in the room are heated first, the air secondarily. Thus the air temperatures at your ceiling and walls are less than with the conventional hot air systems. With Radiant Glass, the heat units (Btu's) are held in the house longer before they escape to the great outdoors.

Engineering Service—Our engineering staff is ready to furnish assistance in planning radiant glass heating systems. Our broad engineering experience with many different types of installations enables us to make recommendations regarding the proper types of installation for particular conditions. Our services cover a complete study of all factors, including calculation of heat losses, insulation and the furnishing of wiring layouts and floor plans. We will be glad to study,

without obligation, the requirements of any building—new or old—and help you solve your needs. In order to protect the utility and to assure customer satisfaction, no glass heat installations may be purchased for the State of Illinois, without first making a complete engineering survey. This does not apply to panels purchased for auxiliary heating.

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Tri-County Annual Meeting Draws A Large Attendance

Some 1,300 members and their families turned out for the 13th Annual Meeting of the Tri-County Electric Cooperative at the Nashville fairgrounds, August 16. Besides business matters, those who attended the meeting enjoyed a varied program, including an excellent lunch and some high-caliber entertainment.

In his report, president C. Glenn Jones pointed out that the co-op's electric rate is still the same as it was 13 years ago when the organization was launched. "Nothing else that we buy has remained the same during the past 13 years," he said. "Your electric cooperative is very proud that it has been able to maintain the rates at the same level throughout its history."

"The stabilized rates have been made possible through efficient management, despite greatly increased costs of doing business. Furthermore, your cooperative has been able to show a healthy surplus."

Jones Stresses

The president stressed that the members owned the organization and for this reason and for the reason of continued economy of operation there were several things they could assist the co-op with. He described the extensive spraying program that has been underway.

The purpose of the program is to eliminate trees and brush from under the lines and thereby maintain better continuity of service. In three or four years the spraying program will have eliminated most of the brush from the fence rows. Then members should find it an easy matter to keep this brush from sprouting up and to keep their individual fence rows clean.

Jones described the many benefits that rural electricity has brought to the farm and to the community as well. It has added tax evaluation to the townships because so many of the city people have moved outside of the towns. They would not have moved unless electricity had been available, he said.

'Scatched Surface'

"We've only scratched the surface in the use of labor-saving electrical equipment," the co-op president declared. "We should all take advantage of using electric equipment which will save us time and labor and thereby increase the profits from our work."

"We should also take advantage of electric appliances to eliminate the drudgery of farm living, so that we can enjoy our lives and live longer." The president concluded by praising the cooperation of the members and the diligent work of the manager and the employees.

Philip Hegemeier, secretary-treasurer, gave the financial report, which was printed on the back of the meeting program. The report revealed that the cooperative was in excellent financial condition, after meeting all expenses, including sizeable repayments on its loans from the Rural Electrification Administration.

Manager's Report

Manager H. G. Downey prefaced his report with a refutation of a publicity campaign designed to fool the public into believing that the rural electrification program has been completed.

"Although we have virtually completed coverage in our area," Downey asserted, "rural electrification on a national scale is by no means finished. There are still hundreds of thousands of farms to be connected."

"And even in an area like ours, where we now have nearly complete coverage, the job is far from finished. In fact, I doubt if it ever will be completed since we must constantly revise, rebuild our lines, and make other improvements, in order to meet the ever-increasing demands for electricity of our members."

Cites Survey

He cited a survey which revealed that some 716 farms are un electrified in the area, although the co-op has on hand only 150 applications. When and if these other farms wish service, it would require about a year's work to build to that number.

To substantiate his statement about the need for the continuous improvement in heavying up of the system, he said that the co-op's load study showed that by 1961 members will be using two-and-one-half times the amount of electricity that they are using today.

"Since we are strictly a service organization, and not in business to make a profit, we feel it is our duty to do everything possible to make your service as excellent as we can. We are always looking for new ways of improving the service."

The manager gave as an example the spraying program, which, he said, would require six years before the entire co-op territory would be covered. Because this program will be of great benefit to the members," we are asking for your help and cooperation. Occasionally, a few beans may be killed and we ask for your forbearance. Another way that we are improving service is through our maintenance program, which was recently begun.

"Two crews have been assigned to the job of inspecting all of our lines and tightening all connections throughout the system. During the next five years we will spend \$100,000 in improving the service."

Describes Activity

The manager also described how the cooperative is now taking an active part in community affairs and its increased work in public relations.

William E. Murray, editor of the Illinois REA News, gave brief remarks and invited the members to send in comments and suggestions whenever they wished.

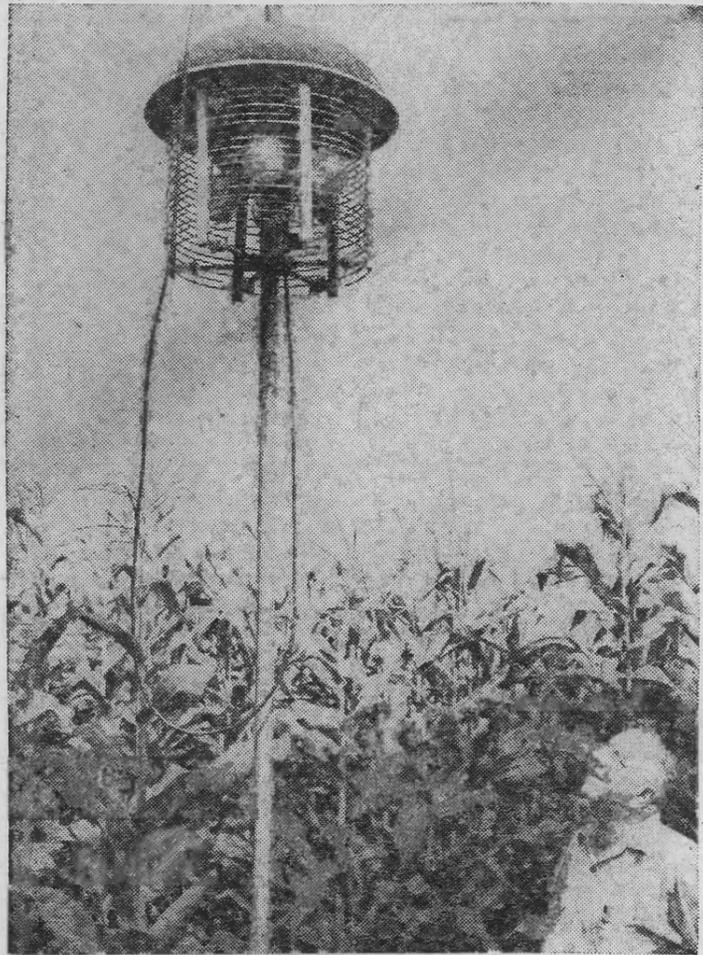
Rev. Percy Ray, minister from Collinsville, delivered an address on the subject of cooperation. His talk was interspersed with a goodly amount of humor.

Three directors elected for three-year terms were: Reuben Young of Odin, Raymond Pitchford of Nashville, and E. C. Champ of Woodlawn. At the organization meeting of the board of directors, Champ was named president, Young vice-president, and Heggemeier of Nashville, secretary-treasurer.

Managers to Meet

The State Managers Association will hold its quarterly meeting in Springfield on September 5. H. B. Lee of engineering division of REA for Region V will attend the meeting.

Members of the Power Use Advisers Association will also meet in Springfield on September 5. Present at their meeting will be Frank Andrews of the extension service of the University of Illinois.



G. WAYNE WELSH of Sciota inspects corn borer trap which he has been experimenting with since July 1. Welsh, who is president of McDonough Power Cooperative of Macomb, hopes the gadget will help solve the corn borer problem.

So far his corn has not suffered much this season. But he expects to be better able to judge the effectiveness of the trap following the late infestation, which he believes will be a heavy one in the Sciota area.

By locating the lamp at one side of a large cornfield, Welsh says it will be possible for him to make a comparison between the protected and unprotected corn. He thinks it will also give him a good idea as to range of effectiveness of the trap.

Lots of Damage

Last year the borers did considerable damage, Welsh says. If the

trap proves satisfactory, he is going to hook up several more next year. "It's a lot easier and cheaper than spraying," he adds.

The trap consists of an electrified grid encircling six 150-watt bulbs. The moths are electrocuted on contact with the grid. A time clock turns the power on at sundown and shuts it off at sun-up. From July 1 until August 13, the trap used 300 kwh.

Besides being president of McDonough Power Cooperative, Welsh is a director of the State Association and is active in national rural electric co-op affairs.

Welsh operates a 525-acre farm with the assistance of his sons, Max and Stanley. He feeds prime Angus and Hereford cattle on quite an extensive scale growing most of his own grain. He also raises a large number of hogs.

Attendance At Fairfield Meeting Marks Record In Co-op's History

Nearly 1,000 persons endured sweltering weather on August 13, to attend the annual meeting of the Wayne-White Counties Electric Cooperative, held in the Fairfield Junior High School gymnasium. It marked the largest attendance at an annual meeting in the co-op's 14-year history.

In the reports of Manager Owen Chaney and President Harold Shepherd, the members were praised for their splendid attendance. Chaney reminded them "The co-op is your business—and it demonstrates democracy working at its best." Treasurer L. M. King reported the net value of the co-op system was over \$3,000,000.

Chaney explained how and why the co-op was organized. "It was started because farmers and rural people couldn't get electricity any other way." He added that this country was made great by cooperatives and that the electric co-ops are not socialistic, as some organizations are trying to prove.

"Know the Truth"

He cautioned the members to beware of such propaganda and to know the truth about their co-op. "Know the truth," he declared. He said it is going to be quite a job to create good public relations, "but if the members get behind the co-

op and push it, we can do it."

The manager also discussed the question of a rate reduction. He explained the present rates were established in 1937 when the first lines were energized. And though the costs of construction and maintenance have almost tripled since then, the rates have remained the same.

Chaney pointed out that during the same period of time, the sale price of livestock has increased to where, "in 1937, 100 pounds of beef would purchase about \$10 worth of electricity. Today the same 100 pounds of beef will purchase \$30 worth of current."

No Increase in Rates

"I presented these comparisons to point out that in spite of increases in operational costs and also in farm production returns, we are still paying the same price for electric service. This to me means the same thing as a substantial reduction in rates."

Electricity is the only commodity on sale today for the same price it was 10 years ago, he added. The manager also gave a report of the increased use of electricity by members during the past 14 years.

(Continued on Page Eleven)

Fairfield Meeting—

(From Page Ten)

"It has grown much faster than anyone anticipated."

In order to provide for the increase use of service, the co-op is heavying up its lines and redesigning its entire distribution system. Part of this work has been completed and the balance is under way.

Electricity—Necessity

Manager Chaney recalled, "When electricity was first talked of, it was considered a luxury. Now, we consider it a necessity. The money we used for wiring buildings and for electrical appliances is an investment which is paying us a high rate of interest."

Some may wonder how this can be considered an investment, he said. "However, if you attempted to do the work that electricity is doing for you in some other way, the cost would be many times the amount you are now paying." The

manager figures this is how electric service pays dividends.

Co-op President Shepherd said the co-op is serving 9,100 members over 1,900 miles of line. But, the job is far from finished. It is estimated that 2,500 more miles of line will be needed to bring electric service to all who desire it.

Plan New Office

The use of electricity has grown by leaps and bounds. As a result our system as originally designed is inadequate. New substations, new transmission lines and feeder lines are essential. Construction is in full swing on all phases of this work and we expect to have most of it completed before the heavy winter load comes on.

The rapid growth of the system, also, has increased the amount of office work to be done, Shepherd said. "This in turn has made the present office facilities inadequate too. Therefore, the co-op is mak-

ing plans to build a new office, warehouse and garage building."

A building site west of the Wayne County Fairgrounds has been purchased. Preliminary plans for the modern building have been submitted to REA for its approval together with the request for a loan to finance construction. "We expect to have an approval soon and construction will start thereafter."

Pogue Speaks

"Your cooperation has made it possible for the cooperative to accomplish what it has. And, your cooperation will be necessary if the co-op is to be successful with its future plans to continually improve service and operate on a financially sound basis.

Treasurer King explained the financial condition of the co-op to the members pointing out that, "We are making our loan obligation payments on time, too."

Barton Rees Pogue, farm journal-

ist and humorist, gave the principal address. Pogue's flavored speech of poetic phrases and humorous sayings added a refreshing note to the hot day.

The present nine-man board of directors was unanimously re-elected. They are Harold Shepherd, Evans Williams, F. C. Gray, L. M. King, G. O. Deem, Irvin Yohe, L. P. Dolan, Willard Bannon, and Herbert Austin, who has replaced G. O. Moreland, who died.

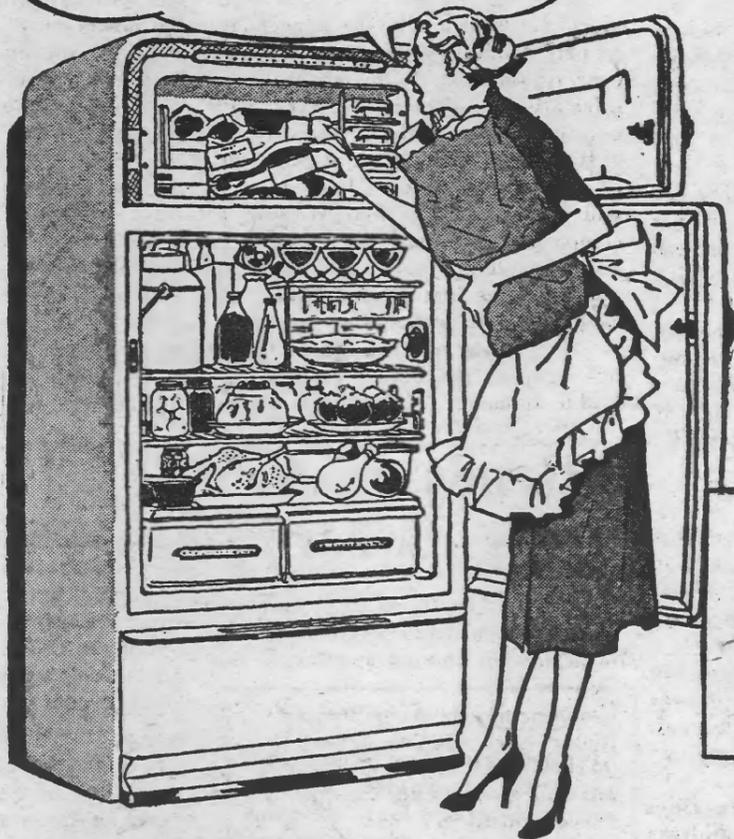
Adding a delightful note to the meeting were the selections rendered by the All American Quartet of Mt. Vernon. The meeting was brought to a close with the presenting of attendance awards.

Illinois DHIA members last year earned about \$2 million extra as a result of improvements from testing, says a University of Illinois dairy specialist.

Finest of all refrigerators!

THE FRIGIDAIRE IMPERIAL

IT'S MADE FOR ONCE-A-WEEK SHOPPING!



The only refrigerator to give you the 3 best kinds of cold each with its own refrigerating system and positive moisture control!

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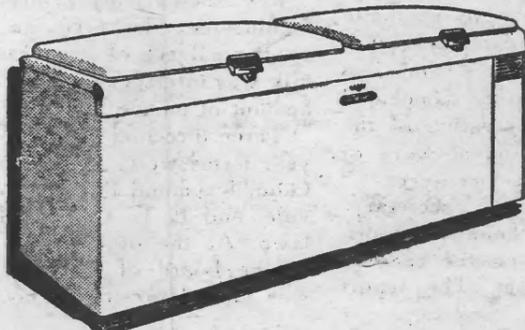


All three refrigerating systems are powered quietly, economically and dependably by a single Frigidaire Meter-Miser . . . simplest cold-making mechanism ever built. Only Frigidaire has it!



America's finest electric range, the Frigidaire De Luxe Model RO-70, has beautiful new styling; 2 new, twin-unit Even-Heat Ovens; 5-Speed Radiantube Surface Units; Cook-Master Oven Clock Control; Electric 2-Speed Time-Signal and many more time- and labor-saving features. Wide range of models.

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Home-makers' Page

Edited by Kay Conlan

So That's The Cook's Secret!

Little Tricks Often Can Make Your Dish Especially Delicious

OFTEN the underlying secret that makes a dish a rousing success is a twist of the wrist that only the cook knows!

A friend may share her recipe with you, yet it's never quite the same when you make it! What did she leave out? Her technique! That's all . . . but it's mighty important.

We're apt to do that, too . . . forget to suggest the little tricks that make a dish "extra pretty" or "just right" . . . or "especially tasty". Here are a few secrets you may want to try to increase your cooking skill and your knack with food!

Garnish for Roasts

Roasts require garnish. Leave plenty of room for the carver, but don't let the roast stand alone. Make it truly the center of interest with a few spiced crab apples, apricots or peaches in a bed of parsley or watercress. Or use preserved kumquats or small bunches of green and tokay grapes on crisp greens.

Cold meat platters call for garnish of bright molded individual gelatin salads, such as horseradish-flavored lime, tomato aspic, lemon with fruit or black cherry with cream cheese. Deviled eggs and chilled relishes or fresh fruit salads go well, too.

Leftover orange shells from breakfast juice may also be used as a garnish around a roast or broiled meats. Serve chilled or heat them in broiler or oven. The filling could be of apple sauce, cranberry and orange relish, fruit cup or orange juice and brown sugar seasoned mashed sweet potatoes or squash.

Broiled Fruit

Broiled meats are twice as pretty and delicious with broiled, canned or fresh fruits alongside. Suggestions include: peach halves with pickle relish in hollows; pear halves with mint or current jelly in hollows (add the jelly after the broiling); one-half inch orange slices dipped in brown sugar and broiled until tinged with brown; pineapple slices; banana, whole or half, brushed with lemon juice; and tomato halves topped with buttered bread crumbs.

Perk up apple pie flavor and top crust color by sprinkling grated cheese over the top when only two minutes cooking time is left. Then serve the pie warm. This is a good trick when re-warming leftover apple pie, too.

Meat Loaf Varieties

You can put a "new face" on the meat loaf by serving it various ways. By making individual oblong loaves with barbecue sauce on top, you



GROUND BEEF Layer Pie, a new variation for the usual meat loaf, hides a surprise of a bread stuffing between the two layers of meat.

can cut the baking time by one-half. Or, the meat loaf recipe can be baked in a ring-shaped mold, turned out and served with buttered peas or creamed potatoes in the center. Another variation is to hide a surprise of bread stuffing (as illustrated) or mashed potatoes inside the loaf before baking. Or, turn a baked loaf onto a baking sheet and frost with moist mashed potatoes, then brown the "frosting" in the oven.

Whether you bake a meat loaf in a ring or loaf pan, allow time to turn it out onto a baking sheet and cover the sides, which have been next to the pan, with diluted catsup. Then heat in the oven long enough for the catsup to cook into the outside surface of the meat. Lift onto a warmed serving platter with two spatulas. It's very colorful!

OTHER COOKING TRICKS

To make your ham appear pretty as a picture, use kitchen string to guide you in even scoring. Avoid making the scores too deep for they expand when heated, and if too deep they split. To be sure the glaze will stick, pour fat drippings from pan before pouring glaze over ham. Then when you dip it up and over, it won't be diluted and will stay on the ham. Use the same low oven temperature (325°F) in which you

cooked the ham to give it that slow-baked, sparkling glaze.

* * *

Would you like every strip of bacon evenly cooked from end to

GROUND BEEF PIE

To prepare the Ground Beef Layer Pie, illustrated, combine one pound ground beef, one-quarter teaspoon salt, one-eighth teaspoon pepper, one beaten egg, one-quarter cup catsup and one-half teaspoon Worcestershire sauce. Mix well.

Make the bread stuffing of two cups coarse soft bread crumbs, two tablespoons minced onion, one-third cup minced celery, two tablespoons melted margarine, one-half teaspoon poultry seasoning, one-half teaspoon salt and two tablespoons hot water. Press half of meat mixture into greased casserole dish. Cover with stuffing, then rest of meat mixture. Set casserole in a shallow pan of water and bake in a moderate oven, 350° F for 45 minutes. Cut in wedges and serve with gravy made from meat stock (or bouillon cubes or meat extract in water).

end . . . without curling? Then lay it on a rack in a shallow baking pan, letting the fat edge of each slice

overlap the lean edge of the next slice. Pop it onto the top shelf of a pre-heated hot oven (400°F) and forget it until it is done, about 15 to 18 minutes. No turning is necessary and the drippings can all be poured off when cooking's finished.

* * *

To make scrambled eggs that are guaranteed to be fluffy, cook them in two tablespoons of melted fat in a double boiler over hot water. First beat the eggs lightly, using two tablespoons milk or thin cream for each egg and seasoning of salt and pepper. Stir them occasionally while they cook. Try stirring in some cottage cheese just before serving. Let it heat through and you'll discover a new-tasting goodness. Besides, the eggs will go twice as far!

* * *

The secret of a pretty baked chicken or turkey is stuffing it lightly . . . not cramming it full. The stuffing expands, so give it room. Bake the extra stuffing in a casserole if your family craves more. An unblistered skin is due to nothing more than brushing the chicken or turkey with unsalted fat before baking. Juicy breast meat is guaranteed if the bird is roasted breast-side down half the time and breast-side up the last half. Use a V-shaped rack.



YOUR OLD discarded dustpan, with some paint and a few decals added can be made into a gay little wall rack which is not only decorative but also a useful gadget to hold kitchen memos, shopping lists etc. Or, you can use it as a novel dustpan planter filled with ivy or flowers. After it is decorated, punch a tiny hole in the edge of the dustpan so it will hang upside down on the wall.

More Favorite Recipes, Hints To Clip For Your Scrapbook

Do you have a recipe that's a family favorite, or a household hint that you've found especially helpful to share with other readers? If so, send it along to Kay Conlan, Illinois REA News, Box 1180, Springfield, Illinois, or tuck it in with your pattern request.

A Favorite Spoon Bread Recipe

3 tablespoons butter.
3 eggs
1 pint milk
¾ cup corn meal (yellow)
1 teaspoon salt

Heat milk in double boiler. Stir in corn meal and cook slowly until thick and smooth. Remove from fire. Add butter, salt and cool while beating egg whites stiff. Beat yolks and add to mush. Fold in beaten whites and bake in moderate oven 30 to 35 minutes. Serve with lots of butter and orange marmalade or butter and honey. This is quickly made and is wonderfully good.—Mrs. Hattie W. Buck, Rt. 1, Venedy, Ill.

A handy way to keep nails, screws and washers, etc. from becoming mixed up is to keep all of one kind in separate cigar boxes, labelling each box. The boxes are plentiful at stores where cigars are sold. I also use such a box for my recipes and intend to start another one for recipes and hints that I cut out of

the paper.—Mrs. A. Glick, Tower Hill, Ill.

A Pork Chop Casserole Recipe

6 pork chops
1 cup uncooked rice
1 medium onion
1 can red kidney beans or equal amount
1 can tomatoes
Salt and pepper to taste

Brown the chops in a skillet, and arrange in roaster, placing rice over and around the chops. Add the beans, onion, tomatoes, salt and pepper. Bake in a moderate oven one hour or until the rice is done. This dish is also good with hamburgers instead of pork and can also be cooked on top of the stove.—Mrs. Orvie Green, R.R. 3, Roseville, Ill.

To add a new flavor to chocolate cake frosting made with confectioner's sugar, add one-quarter teaspoon of instant coffee and put it on the cake while it is hot.—Mrs. Vernon Fugate, Windsor, Ill.

A recipe for Salmon Cakes: For one can of salmon, beat one egg, two tablespoons flour and one cup of meal, a little salt and mix all together. Make into cakes and fry. The meal and flour take the place of cracker crumbs and are just as good.—Mrs. Chloe Kent, Broughton, Ill.

Select A Breezy Day When Sun Is Warm To Wash Feather Pillows

If washing pillows is one of your fall housecleaning tasks, choose a day when the sun is warm; when there is a breeze, but it isn't too strong; when one can work outdoors where those few escaping feathers simply "blow away".

The most satisfactory method of washing, although more troublesome, is to remove the feathers from the ticking and wash each separately.

So, before washing, place the feathers in a closely woven bag which is large enough to prevent them from packing. Tie the top of the bag securely. Then wash in a tub of water, gently dipping the bag up and down. Rinse in clear, warm water until the soap is removed.

Distribute Feathers

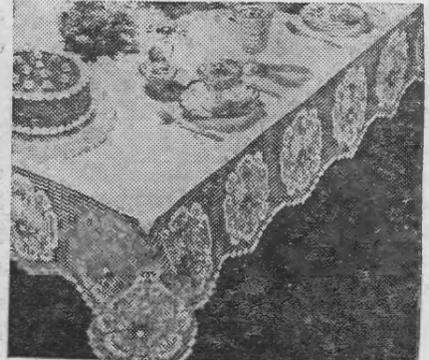
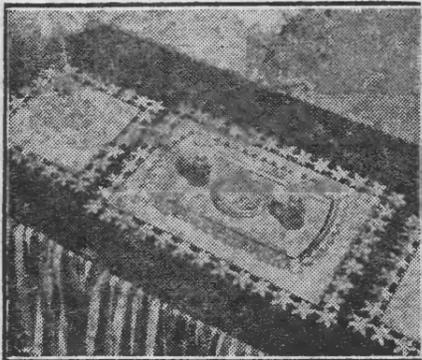
Distribute the feathers from one pillow in several bags. Spread them

in thin layers in the bag so that they will dry quickly, and place the bags on a screen which is up on braces. Turn them occasionally. The screen permits circulation and faster drying.

Don't hang the bags up to dry as the feathers will mildew and mold if they are packed tightly after washing.

Washing the ticking case of the pillow is a different task. Oils from the hair, cold creams and other accumulated dirt often stain and discolor the ticking. So wash this ticking in hot suds, and if the first washing isn't enough, put it through a second sudsing.

All ironing-board covers should be washed before using to remove starch and other finishes.



THERE IS no substitute for the loveliness of hand crocheted edgings on your lovely linens. Dainty crocheted flowerets edged the NARCISSUS VANITY SET; illustrated at the left. The border on the SCALLOPED CROCHET TABLECLOTH EDGING is worked in filet-crochet and appliqued with floral motifs crocheted in shades of pink and rose. Direction leaflets for both may be obtained by sending a stamped, self-addressed envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Illinois.

Pattern List

Our new patterns this month, as well as our old favorites, cover a wide variety of articles to knit, crochet and sew. You may not have as much time to pick up your fancywork at this time of the year . . . but there will be many long winter evenings ahead. Remember, the patterns are all free. All you have to do is enclose a STAMPED, SELF-ADDRESSED envelope, for every FOUR patterns you request and send your order to Kay Conlan, Illinois REA News, Box 1180, Springfield, Illinois. If possible, please enclose a larger envelope for mailing the pattern leaflets.

Ideas for Fun

- Crepe Paper Fall Flowers
- Cross Stitch Rug
- Child's Birthday Table Decorations
- Crafts From Scraps
- Toys From Spools

Items To Sew

- Corduroy Jumper (Size 6)
- Felt Shoulder Bag
- Collar, Cuff Set For Winter
- Cotton Taffeta Party Apron
- Double Irish Chain Patchwork Quilt
- Oblong Knitting Bag
- Gingham Trimmed Bibs
- Chintz Potholders
- Bandanna Skirt
- Child's Overalls (6 mos. to 18 mos.)
- Embroidered Place Mats
- Heart-Shaped Potholders

Items To Knit

- Knitted Fringed Stole
- Two Piece Knitted Dress (Sizes 12, 14, 16)
- Bolero With Cable Trim
- Cable Stitch Anklets

Sweaters

- Man's Long-Sleeved Sweater
- Man's V-neck Sleeveless Pullover
- Twin Sweater Set (Sizes 12, 14, 16)

Helpful Hints

- Tailoring Tips
- How To Hook A Rug
- Sewing With Stripes and Plaids
- Toys To Crochet
- Jiffy Ann Doll

'Old Favorites'

- Crocheted Handkerchief Borders
- Popcorn Rings Bedspread
- Swedish Darning Towel Borders
- Butterfly Edged Luncheon Set
- Night Table Doily-Butterfly Trim

Items To Crochet

- Shell Stitch Baby Sacque, Booties
- Floral Pillow Case Borders
- Scotch Plaid Afghan
- Flowering Pine Table Doily
- Irish Crochet Doily
- Fan-shaped Pineapple Chair Set
- Lacy Table Centerpiece
- Steps and Stair Luncheon Set
- Butterfly-Edged Runner
- Small Table Accessories
- Daisy-Pineapple Runner
- Crochet-Edged Buffet Runner
- Crocheted Westkit
- *Learn To Crochet—(Please include separate envelope when ordering with patterns).

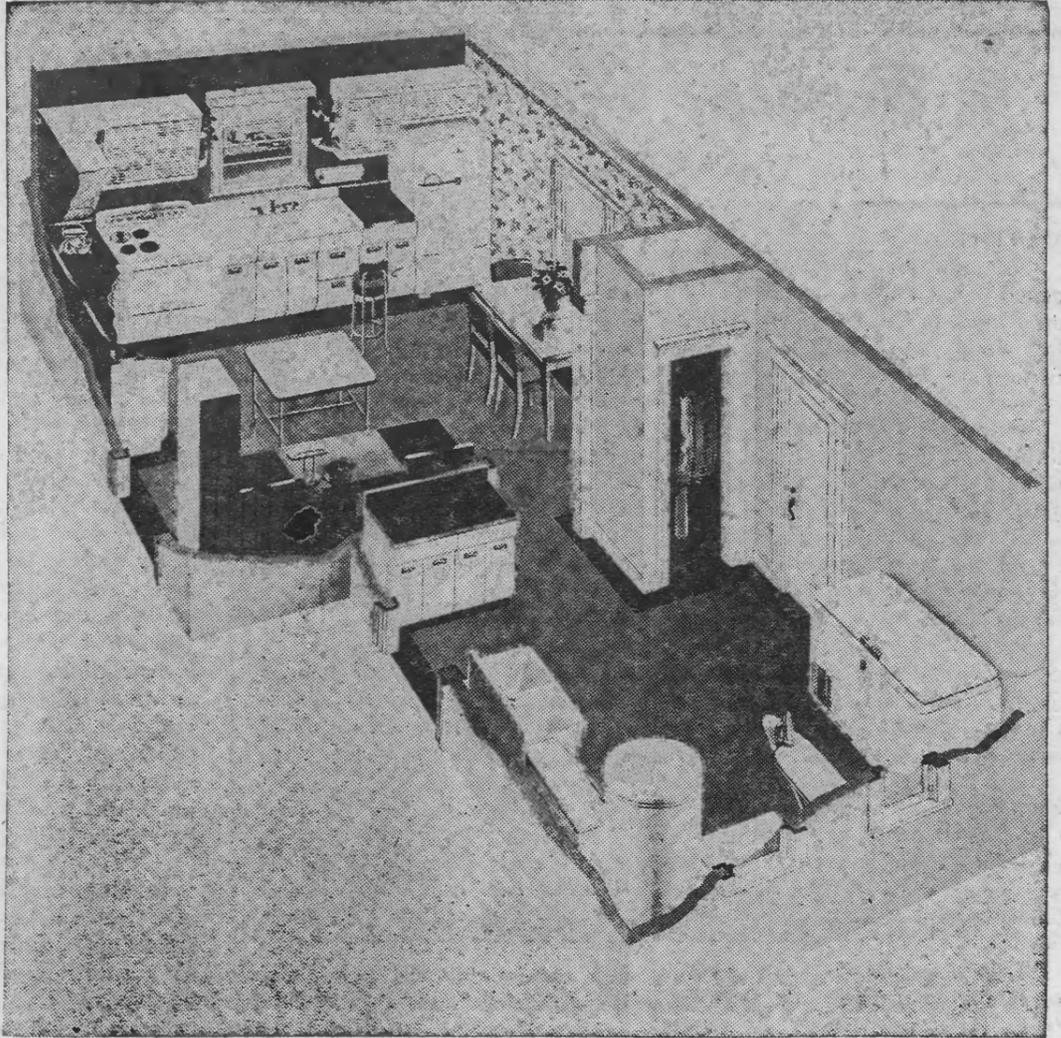
Circular Felt Skirt And Toy Elephants



FOR A little girl, here is a FELT SKIRT to make. It comes in size four and is appliqued with two squirrels. The BROTHER-SISTER CROCHETED ELEPHANTS for baby are worked in easy single crochet. He's dressed like a sailor and she in a pretty dress. Send a stamped, self-addressed envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Illinois for your patterns, available free.

Planning For A 'New' Kitchen In The Future?

Bit-By-Bit Buying Is Often
Necessary and is Practical



FARM homemakers who are considering transforming their kitchens into convenient, efficient and pleasant workshops, should be encouraged and counseled to take a long look ahead.

Bit-by-bit buying, piece at a time, is very often necessary; it is practical and economical. But bit-by-bit planning is not a sound basis for remodeling; it can be and usually is very disappointing and costly. To achieve her dream of a fine, modern kitchen, the farm homemaker should picture and plan the kitchen as a whole before even the first step toward remodeling is undertaken.

It is true that not all kitchens in old houses can be made 100 per cent efficient and attractive, but there are very few which cannot be improved and transformed into reasonably

good kitchens despite doors, pipes and chimneys that cannot be changed.

Consider Drawbacks

The first step in a long range kitchen plan is to consider the drawbacks of the present arrangement. Such problems should be borne in mind as the convenient arrangement of appliances and working surfaces to save steps for the homemaker; arrangement of doors to avoid unnecessary traffic from outside or inside the house through the homemaker's working portion of the kitchen; location of a suitable place for the working men of the farm to hang their clothes and wash up.

The farm homemaker can find much that will be useful to her in determining the factors contributing to an efficient kitchen by studying

bulletins and literature dealing with kitchen planning which are available from many manufacturers' magazines and government sources.

Drawing on all this information, the farm kitchen planner can begin a careful analysis of her own kitchen—the uses to which it will be put and the features needed for carrying out her tasks efficiently and carefully.

Size and Cost

Once the equipment, work surface and storage space to be installed has been decided upon the farm homemaker can approach the problem of size and cost. Prices and measurements can be secured readily from local dealers and the actual kitchen plan begun.

With the "dream kitchen" plan completed the homemaker is in a position to make an all-over estimate of cost. At once the advantages of her long-range plans are immediately apparent. For even though the over-all cost may be too great for an immediate and wholesale trans-

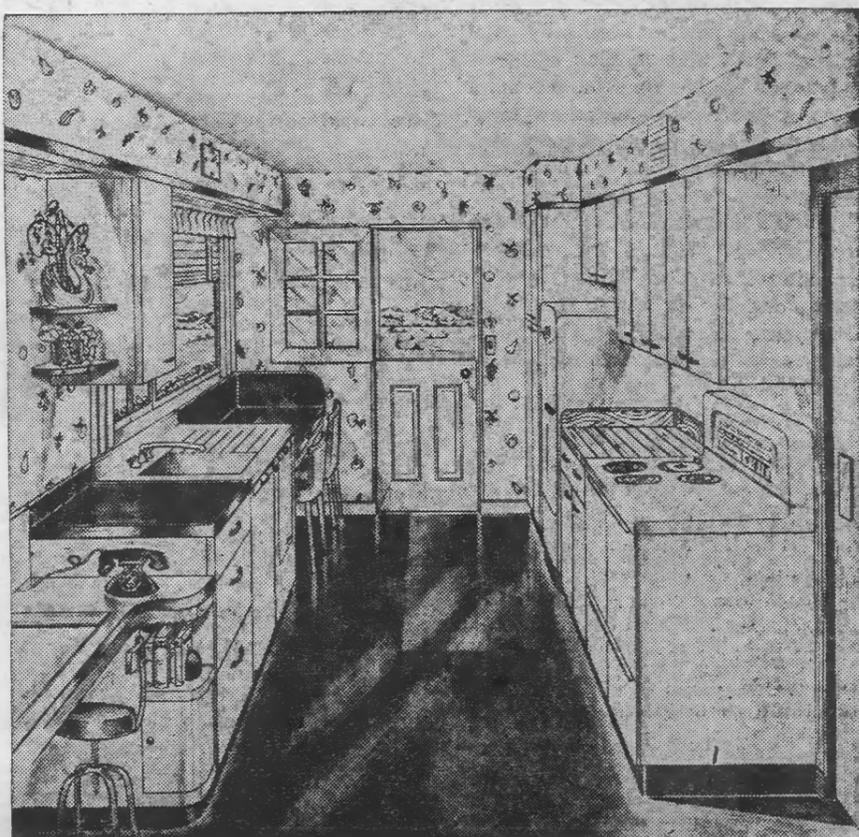
formation, the farm homemaker can visualize exactly what she wants, make her alterations over as long a period of time as she sees fit, budgeting her expenditures to her family's available funds, and in the end achieve a modern kitchen.

The kitchen, illustrated above, developed by the Kelvinator Kitchen with the collaboration of leading home economists, shows a modern farm layout with the homemaker's working area and separate utility room. The door from the outside through which the farm working men must pass, leads into the utility room and not into the kitchen proper. Immediately handy is a closet for working clothes and the men may wash up in the large wash tubs in the utility room.

Desk For Business

Handy for conducting the business of the farm is the desk with its convenient telephone placed inside the kitchen so that it may be reached by the farm housewife, and by the farmer himself through the utility room without interrupting the homemaker's activity.

A two-wall kitchen design, as illustrated at the left, makes an agreeable solution for some families who must build their future kitchen in a room which is narrow. It permits a greater choice of work center locations, however, than are possible when a single-wall arrangement must be used. The three major pieces of equipment—the range, dishwasher-sink, refrigerator—fit into a triangle pattern which leaves adequate counter and space, yet places them in convenient step-saving positions. The disadvantage of this arrangement is that the traffic lane to the outside entry passes through the work area.



TWO-WALL kitchen design which makes an agreeable solution for some families who must build their future kitchen in a room which is narrow.

Between The Poles

with Bill Murray

VISITING

Our question about what happened to the ancient custom of "visiting" among farm folks evoked the following reply from Mrs. Allen Airhart of Plum River Farm, Savanna:

"Dear Bill: Neighborliness is still fashionable in our neighborhood when a feller needs a friend the most.

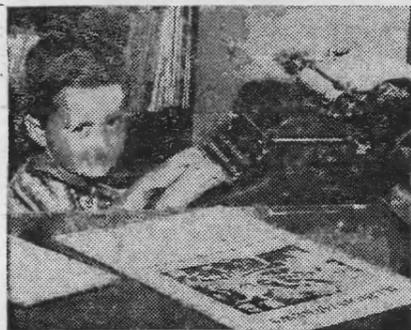
"A bull mauls Loyal Seidenburg. Farmers with equipment have a field day and the women come to feed them all.

"Allen Airhart's tractor gone hay-wire with plowing undone, because of the flooded bottoms. In pull Bob Carson and son, Roland, with their tractors.

"So it goes. We have grand neighbors here at Jo-Carroll co-op. Only time and labor shortage keep us from visiting more. What visits we do make are thanks to our best labor-saver — electricity. Keep it coming our way, please!

"Old-fashioned work bees, active participation in farm and home bureaus, good attendance at annual meetings and fairs, let us visit while we learn. Here's to more neighbors like ours!"

YOUNGEST EDITOR



Some folks asked: "Where was the editor's picture?" The rest of the staff showed their smiling physiognomies in last month's issue including my better half known to you homemakers as Kay Conlan.

So as not to disappoint you, here's a picture of Editor Bill Murray. A young looking fellow, I'd say. Oops, wrong picture! That's not the editor, that's the boss of the family, Bill Jr., age five-and-one-half.

FOOD AGAIN

Bill Planert accuses us unjustly of planning our visits just before lunch. We deny the charge, but if we can get as good a feed as we did down at his home recently, it would be worth timing our visits. "Noticed you had chicken last month," Bill kidded. "Well, we decided to fill you up on porkchops to vary your menu." And that he did along with many other delicious edibles.

We stopped off at Wayne Welsh's farm at Sciota to get some information about his corn borer trap. Wayne's got some of the finest black Angus we have ever seen. He topped the Chicago market with a load last month. They weighed 1,296 pounds and brought \$39.

If we get some leisure moments this winter, we're going to learn German so we know what Joe Heilmann and C. M. Douglas are talking about when they get together.

MAGICIAN

Did you know that State Manager Becker is quite a magician? Don't ever bet him that he can't take the shirt off a man without unbuttoning the shirt or suitcoat, be-

cause he can. The fact that he and the fellow he performed the trick on recently, disappeared for a half-hour before the demonstration took place, led some of us to suspect the shirt had been tampered with. Manager Becker denied this, but he couldn't collect any of the bets.

DETERMINATION

A little thing like a flood doesn't interfere with the determination of co-op linemen to restore service.

One day in early July, when the Mackinaw River in Tazewell county overflowed its banks, spreading out to a width of a half-mile, three linemen from Cornbelt Electric Co-operative of Bloomington, had to get a motorboat and ride across inundated cornfields to reach the line. A tree had fallen across it.

The linemen sawed the tree and then climbed the poles in the flooded river to make the repairs. The hardy co-op personnel were, Don Allen, foreman, Ralph Curby and Bill Whitesell, subforemen.

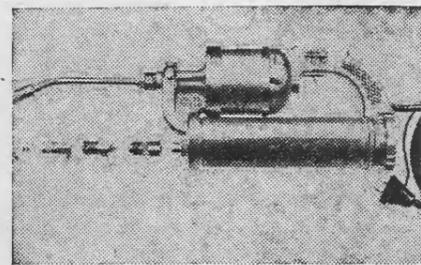
NOT AT HOME

We took a trip out to Morris Birbeck's place near Galena, but unluckily, Morris wasn't at home. We wondered how he gets time to construct the sheds and buildings he has, and look after his big farm when he's away to meetings so much.

It's like the story Will Rogers told the editor of the Chicago newspaper. Will was hired to travel through the midwest interviewing farmers for stories. He had been gone several weeks and hadn't turned in a story. The editor caught up with him at last by phone. "What's the matter, Will? You're being paid to interview farmers and to get us stories. You haven't sent us one yet. What have you been doing?" the editor demanded to know.

"Oh, I've been visiting farms everywhere," Will replied, "but so far I haven't been able to catch a farmer at home. They're always in town to meetings."

WHAT'S NEW?



With the general increase of automotive equipment on farms, and with many farmers maintaining their own garage service, an all-electric grease gun should be of interest.

With the electric grease gun, no hose or air pressure is required. It is a precision-engineered, tested piece of equipment used for several years in commercial garages. Giving instant response to the trigger, the gun releases 40,000 tiny shots of grease per minute and can build up a 5 ton (10,000 pound) pressure per square inch, if needed. It operates on a universal type motor on 110-AC, 25-60 cycle current. It carries 20 feet of special heavy duty cord with hand-grip plug.

The gun is manufactured by the John W. Hobbs, Corp., Springfield, Illinois. Listed at \$81.50, the gun comes equipped with all accessories, including four adapters, one leader valve, cord and plug.

Messages From State Fair Goers To Be Heard Behind Iron Curtain

Freedom-loving Czechoslovakians will soon be hearing the voices of Illinois state fair-goers on their radios.

Messages from Gov. Adlai E. Stevenson and from plain citizens who visited the Crusade for Freedom exhibits will be sent to Radio Free Europe stations in western Europe, for broadcast behind the iron curtain.

Their words will be voiced in Czech by a 38-year-old Czech exile, in this country for only two weeks.

Because English was not one of the nine languages he speaks, the messages had to be translated first into German, then respoken in Czech.

Gives Truth

That is typical of how Radio Free Europe (RFE) operates, telling listeners in the Soviet satellite nations the truth about the west, giving the lie to communist propaganda—in the language and through the voices of patriotic exiles from these nations.

A listener to RFE before he came to this country, the Czech translator did not want to be identified by name for fear of reprisals against the family he has not seen since 1948.

But knowing its importance in bringing the truth to his fellow countrymen, he was glad to help Crusade for Freedom, which finances these radio operations.

Heard Broadcasts

He had heard RFE's broadcasts in Italy where he fled three years ago when the communists took over in his native Czechoslovakia.

There, too, he learned the trade he is now working at in Springfield—that of chef.

War and its aftermath have

taught him others: Starting out life as an interior decorator, he was sent to work in a munitions factory when Hitler took over the Sudetenland. When war broke out, the army put him to work in an underground gas factory. Then for a time he worked in the Czech coal mines under forced labor, separated from his family. In 1947, he rejoined them and went to work in a synthetic gasoline factory and lost an eye in an accident that sent him back to the coal mines.

Because he could find no place for his wife and young son to live in the mining country, he left them near Prague. When he returned for them, they were gone.

Adds A Message

It was perhaps to them that he spoke when he added a message to that of other fair-goers, telling the Czechs to "be patient because freedom will come again to our country—soon, I hope."

He added his endorsement of the work of Radio Free Europe in combatting "the lies we've been told about America" and expressed a hope that its work can be expanded through Crusade for Freedom.

Wilford J. Kramer, Illinois Crusade executive, with headquarters at 314 South Fifth Street, in Springfield, pointed out that this can be achieved through a successful 1951 Crusade drive.

He called on volunteers throughout the state to organize and push the campaign which will gather signatures on "freedom scrolls" and contributions for building additional radio transmitters to carry hope behind the iron curtain.

Illinois Job Training and Safety Committee Column

As previously reported in our column last month in the Illinois REA News, a series of conferences were held at Decatur, Mt. Vernon and Canton during August for co-op line foremen. These conferences were designed to acquaint the foremen with various methods of instructing a new, or old employee, on how to do a new job.

The job instructor training course, as it is called, is divided into two parts. At the first series of conferences the foremen received five hours of instruction. Another five hours of instruction will complete the course for the co-op foremen this month. Following completion of this course, the job training and safety committee will plan a new program.

To lessen travel time and to bring the conference into co-op areas, the job instructing course was held at three different places in the state. The 27 member-cooperatives were divided into three groups of nine each and a conference was held for each group. The turnout of foremen at the first series of conferences was almost 100 per cent, which is something to be proud of.

Second Session

The second series of such conferences, and the completion of the

training course for line foremen, will start on September 20 and 21 at the office of the Spoon River Electric Cooperative at Canton. Foremen from co-ops at Camp Point, Canton, Carthage, Elizabeth, Geneseo, Macomb, Petersburg, Princeton, and Winchester will attend.

The eastern group, composed of foremen from co-ops at Bloomington, Carlinville, Champaign, Davenport, Mattoon, Paxton, Paris, Newton, and Shelbyville, will hold its conference at the Orlando Hotel at Decatur on September 24 and 25.

The last session of the course for foremen from the southern group will be held at the Clay Electric Cooperative office in Flora on September 27 and 28. Co-ops in this group include the ones at Breese, Dongola, Fairfield, Flora, Greenville, Harrisburg, Mt. Vernon, Steeleville and Waterloo.

At the conferences, the men are helped in thinking through their problems and in recognizing basic principles and practices through the experiences of others. Opinions are compared and the groups work out solutions to their common problems. This type of training course establishes uniform principles, thus avoiding the necessity of solving the same problem continuously.

Egyptian President Refutes 'Propaganda' At Annual Meeting

A crowd of over 4,000 heard Co-op President George Pape refute the "false propaganda that co-ops are socialistic and do not pay taxes." Pape made his remarks at the 13th annual meeting of the Egyptian Electric Cooperative of Steepleville. The crowd was the largest ever to attend a meeting of the co-op.

The president cautioned the members not to be fooled, nor "let your friends be fooled by the accusation that co-ops don't pay taxes." He pointed out that the records in the county courthouses in the area served by the co-op will show that the co-op paid over \$11,000 in property taxes alone last year.

Other taxes paid, such as social security, unemployment, sales, license and others, totaled over \$10,000 more, making a total of over \$21,000 paid out in taxes. "Your co-op's estimated taxes for this year are \$27,370, and yet some people still say that electric cooperatives don't pay taxes," he declared.

Increased Tax Benefits

"As a cooperative your co-op is paying every tax levied, except the Federal income tax," the president explained. "As a non-profit organization, the co-op is not required under the law to pay a Federal income tax."

Increased taxes for the county, State and Federal governments have resulted because of the co-op, Pape told the members. "By the use of electricity on your farm, you have increased your income thereby causing you to pay more income taxes. You, also, have purchased many pieces of electrical equipment on which you paid sales taxes. And, you are paying property taxes on this same equipment."

All these tax benefits to the governments would probably never have occurred had "you not organized and built this good sound business that has a wonderful future," the co-op president reminded them. "Don't be fooled! You are members of a tax-paying, business managed, free enterprise type of organization."

Discusses REA

Pape discussed the rural electrification act of 1935 and explained the relationship of the co-op to REA. "It is a lending agency," he said, "from whom you borrowed the money to build your electric system." The money is being paid back with interest.

"The rural electrification act was one of the most constructive measures ever adopted by the Congress to improve the living conditions, health and economical well being of the people," he declared. "It is the typical American way of meeting a problem that is both social and economical."

The REA program has been developed in full accord with the principles of free enterprise and private ownership of property. "I have never been able to understand why it is any more socialistic for a group of farmers to own a distribution line or a generating plant than it is for a group of New York stockholders to own the same facilities."

Issues Challenge

The farm people of America own 1,000 electric systems, worth on the average of \$2,000,000 each. "They are a stronghold against both monopolism and communism," Pape said. "And if anyone tells you they are subsidized with the people's money, tell them that Uncle Sam gets back \$1.35 of each \$1 loaned to you through REA."

He challenged anybody to show

one instance where rural electric co-ops are socialistic. He again called upon the members to know the truth about the co-ops and to acquaint their friends and neighbors with that truth.

Manager R. S. Holt gave a progress report, pointing out that "since your last annual meeting, a great many things have been done to improve your electrical system and to better your electric service." This includes heavying up lines, re-phasing some lines and adding a new substation, "which helped to divide the load on the other substations."

System Report

In addition, over 100 automatic oil circuit breakers were installed to help prevent service interruptions and to help restore service more quickly. "These interruptions cannot be entirely eliminated," Holt explained, "but, can and will be reduced in number and in time of outages." Voltage regulators have also been installed in three of the substations.

The co-op is doing some spraying along right of ways. The manager told the members that the chemical being used was not harmful to animals or human beings and care is being taken to avoid crop damage.

Holt compared the co-op's operating costs with the average for the state. Egyptian Electric's operating expense was 56.3 per cent of total revenue received, while the State average for other co-ops was 62.5 per cent.

In reporting on the financial condition of the co-op, Manager Holt said the co-op had a \$6,500 deficit in 1950, which was caused by an increase in the amount of interest paid on the loans and also an increase in depreciation charges. Increased usage of electricity will wipe out the deficit, he pointed out.

The deficit could have been prevented, but it would have meant fewer lines and fewer homes were connected thereby holding down the amount of debt obligations. "I don't think you would have appreciated that," he said after he had explained that about one-half of the people present would still be without service if the co-op had wanted to stay out of the red.

The report of Treasurer Harry Sickmeyer showed the co-op attaining financial stability. Unless some unforeseen disaster strikes, the co-op will soon be on a sound footing. An election of three directors completed the business portion of the all-day meeting.

Elect Directors

The directors elected were: Pape of Jacob; Frank Easdale of Coulterville, and Harry Doiron of Prairie du Rocher.

In the afternoon, Daniel R. Blount, public relations director of the International Shoe Company, gave an address. He amused his audience with his well-stocked repertoire of humorous stories. Between stories, Blount interjected laudatory comments about farmers and made a plea for the practice of better human relations.

The public relations director said that farmers have that sense of the value of working together. It is because of that, "you have an electric co-op," he added. Materials don't build enterprises but human relations do, he pointed out, as demonstrated by the growth of the electric co-op.

A 'fair-like' atmosphere was added to the meeting by the sizeable
(Continued on Page Seventeen)



PLENTY OF WATER helps make good livestock, says William E. Perisho of Paris. The one-time State 4-H reserve champion livestock breeder believes water is as important as good feed in producing stock. He helps a Southdown lamb to a cool, refreshing drink from one of the three tanks in the Perisho feed lots.

William tends to the stock on his father's 160-acre farm. They raise purebred Angus cattle, purebred Hampshire hogs, purebred Shropshire and Southdown sheep. They

also have some feeder Herefords. The tremendous watering chore is handled easily by a pump powered by the electricity of Edgar Electric Cooperative of Paris.

The young stockman says, "We have taken our running water for granted for so long now that it would be hard to imagine doing without it." Not only has it reduced the amount of work on the farm, but it has increased the productivity also, he adds. "It is easy to see that as long as we have plenty of water available, we can raise more stock."

Clay Electric Co-op Holds Its First Outdoor Annual Meeting

Amid an air of a summer outing, members of the Clay Electric Cooperative of Flora held their first outdoor annual meeting under a large tent on the picnic grounds of the Charlie Brown park on the outskirts of Flora. The reports of officers, and an address by A. E. Becker, manager of the Association of Illinois Electric Cooperatives, highlighted the occasion.

Manager Becker told of the activities of the state association, pointing out what is being done for the members of the 27 cooperatives, which belong to the association. He said, "We represent 122,410 rural cooperative members."

The state manager elaborated on the growth in the use of rural electricity by farmers. He said that it has necessitated load studies made so that co-ops may plan changes in their capacities to take care of the high usage. Becker said, "I think that we can safely estimate the ultimate usage in Illinois will reach from 500 to 600 kilowatt-hours per month, per member, providing our economic conditions remain normal."

Amazing

A significant fact which seems to substantiate this prediction is "that each year every farmer uses an average of 20 per cent more power than the year before," he added. This increased use of electric service by farmers has amazed all, who work in the program, Becker declared.

Becker, also, said, "I would be excited in my duty to our 27 cooperatives if I did not inform you that they all pay their fair share of taxes. In fact, we have created a huge amount of taxable property for the local counties and communi-

ties in which we have constructed our lines."

A recent agricultural survey report showed that for every dollar invested in rural electric lines, substations and other facilities, the farmer invests \$4.50 more for his wiring and equipment. "With \$63,000,000 invested by our co-ops, this would mean that our members have invested \$283,000,000, most of which can be taxed," he pointed out.

Paid \$400,000 Taxes

According to statistics received from REA, Illinois co-ops paid \$400,000 in taxes last year. These taxes included personal property tax, a state utility tax, and sales tax. "We do not pay a profits tax because we are organized as non-profit corporations in business to serve ourselves," the state manager was quick to declare.

Summing up some of the many activities offered by the State Association to its member-cooperatives, Becker listed the publishing of the Illinois REA News. "It keeps our people fully informed on state, national and local news with relation to rural electrification. It also features news items of the use of electricity designed to help farmers with their farm operations."

The association also sponsored a job training and safety program to provide training for linemen. It has helped reduce insurance rates and has saved lives, Becker explained. "I am glad to report that we have not had a fatality in Illinois for the past three years. We have learned that job training and safety go hand in hand; that a well-trained employee does his job the safe way and gives better service."

Cates Report

Besides this, the State Association
(Continued on Page Seventeen)

Illinois Rural Co-op Annual Meeting Draws Capacity Crowd

A capacity crowd of nearly 3,000 helped Illinois Rural Electric Cooperative of Winchester celebrate its 13th annual meeting, August 27, on the grounds of the co-op's Pittsfield generating plant. The all-day meeting was the "kick-off" of a four-co-op meeting caravan, which will also stage annual meetings of the co-ops at Camp Point, Carthage and Macomb.

Co-op President F. J. Longmeyer welcomed the members to the meeting, pointing out that, "It is always gratifying to your directors to see such a large turn-out at our annual meeting. We feel it is an expression of appreciation for the many hours of work that your directors have devoted to the management of the cooperative during the past year."

The president reported on the meetings of the board of directors during 1950. He explained how the board operated. The manager gives a monthly operational and construction report which the board carefully analyzes. The board tries to adjust the co-op's operating procedures so that the members may be provided with the best possible service at the lowest possible cost.

'Utmost Concern'

In addition to this, Longmeyer said, "The board spends time on considering labor relations, public relations, future construction schedules, system improvements, and loan applications for more funds."

Of uppermost concern to the board is the high cost of operations, the president declared. "Every possible action is being taken to hold costs down as low as possible and still maintain a high standard of service." A contract was signed with the Panhandle Eastern Pipe Line Company for a supply of natural gas for the Pittsfield generating plant, when available. "It will reduce generating costs considerably," he said.

Longmeyer explained that the contract was being held up by the Federal Power Commission pending approval by it of the sale of gas to the co-op. And, as a step to improving continuity of service, the co-op has taken action to employ more maintenance and service crews, stationed throughout the co-op area.

Also, many system improvements have been completed, which will give the members better service. New transmission lines which provide two-way feeds into each substation, have been built. New substations, providing more capacity, have been installed as needed. And, feeder lines have been rebuilt to handle increased loads.

Manager S. R. Faris discussed the co-op's progress toward completion of its two main objectives: Area-coverage and the best service possible at the lowest cost to the member. "We have made steady progress each year," Faris said, "and have grown from a cooperative serving 600 farm on 500 miles of line to one, which now serves 7,300 farms on approximately 2,542 miles of line."

The co-op has maintained a yearly construction average of 195 miles of line to 554 farms, even though there were three years, during the war, when construction was at a standstill, Faris pointed out. "Our crews are now engaged in the construction of 130 miles of short extensions, which we believe will be the last major extension work in our area."

When this work is finished, the co-op will be serving approximate-

ly 100 per cent of the farms and other rural establishments in its area. "Our system will then have approximately 2,800 miles of line serving over 8,000 consumers. This work should be finished during the later part of this year," he added.

Completion of area coverage will mean "entering a new phase in the operation of the co-op," the manager explained to the members. "As we shift from an organization engaged in large-scale construction to a strictly service organization, we will be able to concentrate more and more on improving service to you members. We also will be able to devote more time to handling personal services for you."

In a report on the generating plants of the co-op—the only co-op in the state to generate its own power—Manager Faris said 15,020,944 kwhs were generated last year. It is an increase in production of 23 per cent over 1949. Faris praised the success of the generating department and said, "Our generating plants stand at the top of the list in efficient operations among all REA cooperative generating plants in the country."

Treasurer's Report

With the absence of Treasurer Howard Hurrelbrink, President Longmeyer gave the financial report. It showed that of every dollar paid by members for their service in 1950, 30 cents went for cost of generation, 27 cents was used for operating expense, 26 cents was used to pay loan payments, while the remaining 17 cents was used for interest payments.

The co-op has borrowed \$6,443,500 from REA and has repaid \$422,887 on the principal and \$167,471 on the interest. Last year, the co-op paid \$25,000 in taxes, and after all expenses were deducted had an operating margin of \$71,454, which is used to meet loan payments and for depreciation expenses.

An amendment to authorize the board of director to increase the loan limit of the co-op to \$15,000,000 was passed. By a unanimous vote of the members at the meeting, the present 11 members of the board were re-elected. They are: Longmeyer, Hurrelbrink, Walter Strubinger, Leonard Wood, H. H. Kilver, Roy Wieneke, R. J. Myers, Henry Day, V. T. Parks, Paul Nichols, and Louis Osterman.

Entertainment, an audience participation radio recording show and the awarding of attendance awards were also part of the annual meeting caravan. An appliance-display tent, at the rear of the large meeting tent, was another important feature of the four-co-op annual meeting caravan.

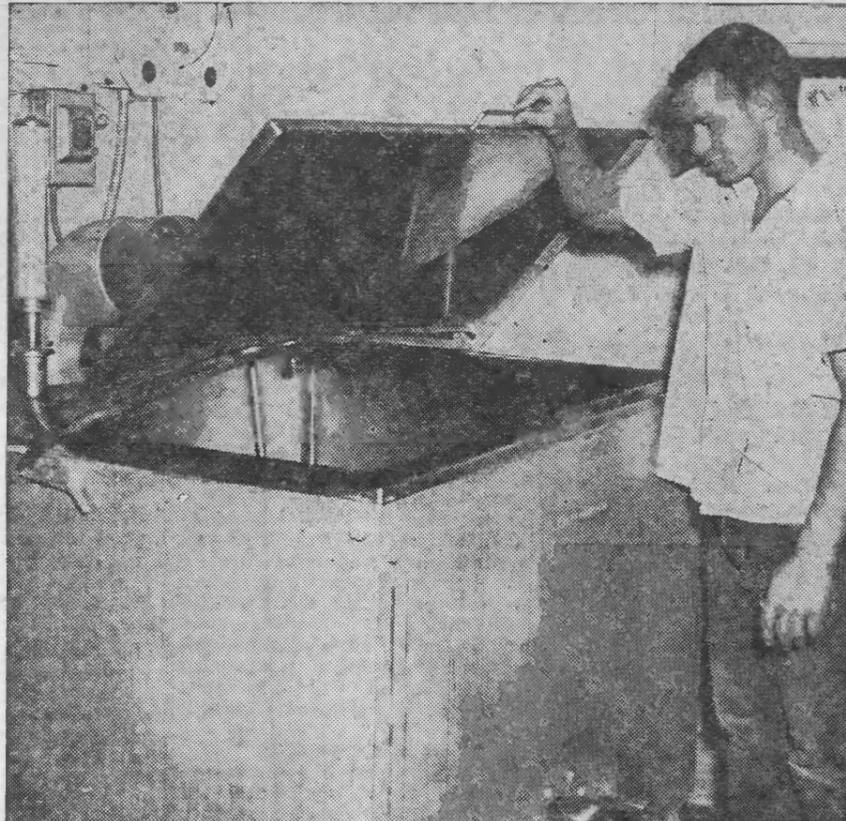
REA Appoints

REA Administrator Claude R. Wickard has announced the appointments of Richard A. Dell to head the applications and loans division, and of Elbert E. Karns to head the management division. They succeed Arthur W. Gerth and I. Thomas McKillop, who were killed in a airliner crash in Colorado in June.

Egyptain President—

(From Page Sixteen)

display of electrical appliances in two tents, near the main meeting tent. Professional entertainers added to the occasion with their musical, acrobatic, and magical numbers. An unusually large number of gifts were distributed at the close of the meeting.



RURAL DAIRYING for Frank Kennedy of Hamilton means much more than milking cows. The dairyman does the complete processing of the milk, from cow to bottles. His young helper, Rodney Curtis, glances into the electric pasteurizer to see how the job is being done.

Kennedy operates his country dairy on his 160-acre farm. He bottles both cream-top and homogenized milk. He credits his

electric service from the Western Illinois Electric Cooperative of Carthage with making the rural dairy possible.

In the pasteurizing machine, the current is used to agitate the milk while it is being heated. An electric pump then sends the milk through the homogenizer where it is put under 150 pounds of pressure, or it pumps the milk directly into a cooler above the bottling machine.

Clay Co-op Holds Outdoor Meeting—

(From Page Sixteen)

tion actively supports the National Rural Electric Cooperative Association in supporting favorable bills in Congress, as well as keeping tabs on bills relating to rural electrification in the state legislature. The state cooperative correlates the activities of the State Managers Association, Power Use Advisers Association and the Bookkeepers Association.

Co-op Manager Elmo Cates told the members, "It has been a pleasure to work with you the past year. The sincere interest you have displayed in your business and your spirit of cooperation have played no small part in pushing your cooperative onward toward financial security.

Cates said that everyone in the area ready for electric service has been connected. However, he added, "This does not mean that every home in our territory is receiving service. Our maps show at least 1,000 places not connected. Possibly 50 per cent of these are vacant, and many of the others simply do not wish to make use of electric power."

Brush Control

The problem of brush and tree control was considered in the manager's report. Cates said there are three methods of coping with the problem: 1. To recut it all, which would be very costly; 2. For each member to do the cutting, which would provide a saving for the co-op; or, 3. To spray it, which the co-op plans to experiment with this year.

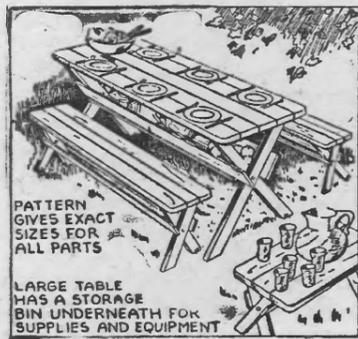
Treasurer Ralph L. Smith gave the financial report. In the election of three directors, William L. Stanford, president; Ralph Hastings, and J. K. Coggan were re-elected to serve three-year terms. Following the business meeting, many attractive attendance awards were presented to the members.

IN THE HOME WORKSHOP



Pilgrim Bench

Among the first pieces of furniture made by the Pilgrims in America was this sturdy bench. It is just as useful today. Pattern gives tracing diagrams with detailed directions for the block front drawer. Pattern 218 is 25 cents.



Barbecue Tables

Just what you need for those picnics at home. Notice the end benches which do double duty as tables. The pattern lists all materials needed and step-by-step directions which will save time and give you perfect results. Use ordinary hand tools. Price of pattern 279 is 25 cents.

Order Patterns

From
Workshop Pattern Service
Illinois REA News
Bedford Hills, New York

Your Co-op Newscolumn

NEWS FROM Southwestern Electric Co-op Greenville, Ill. V. C. Kallal, Manager

Your board of trustees has set September 15, as the date for your annual meeting. The meeting will be held in the high school building at Vandalia. The school is located along US 51, at the northwest edge of town. For those of you coming in from the west, the school can be seen from the junction of US 40 and US 51 highways.



V. C. Kallal
It is both your privilege and obligation to attend your annual meeting. It is important that you hear the reports of your officers, to acquaint yourselves with the problems of your cooperative. Information on the progress of your organization will be given. This kind of information will make you a better cooperative member and, as we have pointed out many times, a well-informed membership is important for the continued progress and success of the cooperative.

An excellent speaker has been secured to give the main address of the day. This is a fine opportunity for you and you should make every possible effort to attend your annual meeting. A free lunch will be served at noon. Therefore, come early so you can register and hear the reports which will be given during the morning session. In a few days you will receive your official notice of the meeting and at the same time we will send you a post card to be returned, so that we will have an idea of the number of members to expect and can make provisions for same.

COUNTY FAIRS

Your cooperative again rented space at the Fayette and Effingham county fairs. In both cases there were many members who stopped to see the display, ask questions, air any complaints and otherwise learn something about their cooperative and possible new uses of electric service on their farms. Your board feels that such activity gives many of you, who otherwise could not conveniently do so, an opportunity to discuss your problems with a representative of the cooperative. At the same time, a contribution is made to the overall success of the county fairs. A well-rounded program and a diversity of exhibits makes the county fair an interesting and educational affair for the cooperative member and farmer.

GRAIN HANDLING

To date, the prospects are good for an abundant corn and soybean crop. Many of you will be using a grain elevator equipped with an electric motor. In the case of the larger corn elevators, as large as three horsepower motors are used. The thing to be remembered is that adequate wiring, starting switches and overload protective devices must be provided for these motors. Inexpensive starting and overload switches recently made available for small motors will protect the motor as well as give you a convenient method of turning them off and on. Long distances often times enter into the picture. The longer the distance from the meter pole, the larger the wire required to handle a given load. It is false economy to use wire that is too small for any job, and in the case of a motor, using wire of inadequate size may result in burning out the motor.

The ordinary portable cord we buy at the hardware store is size 18. Such a wire can satisfactorily operate a one-half horsepower motor, or larger, no more than 50 feet. The size of the wire must increase as the distance increases. We'll be glad to send you wire size information if you write the cooperative office. All motors of one-half horsepower rating or larger should be operated on 240 volts. This will necessitate running three wires to the granary or corn crib, where these large motors are used for elevating grain. Therefore, we would like to emphasize the importance of getting a good wiring system extended to those locations where motor loads are to be connected.

Lowery then suspected the temporary wiring as the cause of the trouble, but did not have to wait for proof. The owner called him to explain why the number 18 extension wire insulation was smoking. The heavy current was heating the small wire, instead of running the motor. On most farms the two or three horsepower electric motor can be used for elevating baled hay or straw, shelling corn, mixing feed, mixing concrete and numerous other jobs. By increasing the days worked for the motor during the year, the cost per hour of operation is materially reduced. Considering the enormous amount of work done by the electric motor on a job such as elevating baled hay or grain, the cost for electric power for the motor is very small. As time goes on, more and more jobs will be done on the farm with electric power, thereby cutting labor costs and at the same time helping to harvest the crops ahead of bad weather. Drying grain indoors, electrically, helps avoid soft ground conditions in the corn and soybean fields. Your electrician can help you plan adequate wiring for your motor or motors. Or, if you like, write to your cooperative office and a representative will visit your farm and help you with the problem.

The following consumers have reported ranges: Walter Sappington, Millstadt; Raymond Bass, Greenville; Pete Cline, Greenville; Gottlieb Mannz, Troy; Lloyd Busch, Pocahontas, Chas. Grimm, St. Jacob; I. R. Young, Sorrento; Mary Hoover, Loogootee; Ralph Hunter, Pocahontas; Henry Oller, Bethalto; Lewis Miles, Greenville; Geo. Godell, Carlyle; John Milcic, New Douglas; Carl M. Hoffman, Vandalia; Clyde C. Martin, Sorrento; Cletus Peterson, Greenville; Vernon Ambuehl, Pocahontas; Anna J. Collman, Bethalto; Alvia Rhoades, Ramsey; Carl Ashford, Edwardsville; and Sarah Evans, St. Elmo.

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OPERATING STATISTICS	
	June, 1951
Miles energized	2,011.96
Revenue per mile \$	25.64
Total connected members	6,180
Density per mile	3.09
Average bill	\$ 8.38
Average used	254.89
Percent minimum bills	97
Kwh sold	1,560,972
June 1950	
Miles energized	1,924.14
Revenue per mile \$	23.42
Total connected members	5,840
Density per mile	3.05
Average bill	\$ 7.84
Average used	226.70
Percent minimum bills	804
Kwh sold	1,294,675

NEWS FROM Shelby Electric Shelbyville, Ill. W: L. Walker, Mgr.

Office hours—8:00 to 5:00 Monday through Friday. Telephone 450. To report outages after 5:00, Saturday, Sunday and holidays call—Shelbyville 1227, 855, 1038, 1253, Assumption 291, 285, Stonington 4195, Pana 4333, Mode 513 Shelbyville 891, Shelbyville 589.

Lineman Gale Beck, of Stonington, who was severely burned June 19, has been released from the hospital and is progressing very well. However, it will be some time before he can return to his job as lineman.

SEEING ILLINOIS

Did you ever spend a vacation seeing Illinois?



W. L. Walker
Yours truly just returned from a two weeks' drive through our state and nearby sections of surrounding states. While we do not have a sea-shore, a chain of mountains or a grand canyon, we have some beautiful drives along the bluffs of the Illinois river and lovely river drives within a few feet of the Mississippi and the Ohio Rivers leading to many lovely state parks.

While it is no unusual sight for us to see large well improved farm homes, gorgeous fields of grain and corn, herds of purebred cattle—and mile after mile, continuous in all directions, long spans, short spans, woven into an intricate web of rural electrification lines throughout the state—it makes us realize that home is "sweet home" compared to much of the waste lands traveled in other regions. If you have never seen your state, we would recommend a leisurely tour. We are sure you will enjoy it.

SUGGESTIONS

Don't be surprised! Are you short of money? Do you feel a delinquent bill coming on? Do you have that achy, cramped feeling so common in 1951? Is your billfold sluggish and upset? If so, we urge you to consider these suggestions:

1. Don't be surprised if you don't pay your bill on time that you get a reminder from us on this subject. We maintain constant touch with everyone whose bill is overdue.
2. If you don't get your bill paid by the 15th of the month, don't be surprised if five per cent is added to your bill. If you have forgotten to make some satisfactory arrangement with us for paying your bill before the cut-off date, don't be surprised if your power is off some evening when you return home.
3. Don't be surprised if when you neglect us and we disconnect for non-payment, we charge you a \$2 reconnect fee.
4. When folks leave the line owing a bill, we only continue our interest in the account for a reasonable period of about 20 years!
5. We make our share of mistakes, of course, but we do try and treat everyone alike. We give the rich man, poor man, member, board member, young man, old man all the same look.
6. We like people even when they are short of money. Don't you?

APPLIANCE SUPPLIES

Right now electric appliance dealers in most parts of the country have radio and television sets, refrigerators and washing machines running out of their ears. Electric ranges and home freezers are about the only pieces of electric equipment which can be considered seriously short.

This situation will probably continue until about October, although production is being cut sharply by material shortages. Huge stocks on hand in dealer, distributor and manufacturer warehouses will take

care of demand for several months despite the curtailed production.

If you want to buy appliances or equipment of any kind, however, better plan on buying it before November. By that time inventories will probably be low and production will be down so far that dealers will be putting customers on waiting lists for most appliances.

Since December usually brings heavy demands on appliance stores for Christmas presents, January will probably bring an even more skimpy supply. If you plan to surprise someone with electric appliances or equipment for Christmas, better do your buying along about September and make some arrangement on storage until Christmas.

August 1-4 was set aside for "Homemakers" at the 4-H camp at Monticello. The group attending the camp was from a 20-county area, representing several home bureaus.

Many different arts and crafts were offered during the four-day period, but electric lamp making proved to be one of the most interesting projects and drew 80 per cent of the members present. This project was sponsored by power use advisers from Corn Belt Electric Cooperative, Joe M. Crosno, Bloomington; Coles-Moultrie Electric Cooperative, Randal Beasley, Mattoon; Rural Electric Convenience Cooperative Company, Roy D. Goode, Divernon; and Shelby Electric Cooperative, Len W. Seaman and William LeCrone, Shelbyville.

Table lamps were assembled and finished in the desired color by the ladies and as a result they were able to take home an electric lamp which would fit in with their home furnishings. Classes were held all day Thursday, Friday and Saturday morning under the supervision of the power use advisers.

It was felt by all that this was time well spent as many small appliance wiring problems were answered, which will in turn be taken back home to the homemakers group meetings.

The sponsoring electric cooperatives wish to thank all homemakers and the management and staff at the 4-H camp for the splendid cooperation which made the electric lamp project so successful.

My, hasn't the farm changed in the last 25 years? It seems like only yesterday that we used to hear that old alarm ringing at 4 a. m., only to have to strike a match to light the kerosene lamp. We would stumble down the stairs to try to find a lantern before milking. (That was the boys' job while Dad did the rest of the chores.)

Mom would fire up the coal range to prepare breakfast for the family. What a miserable time she had standing over that hot stove from 4 a. m. to 7 p. m. in the evening, especially in the summertime when all the canning was done.

Yes, even the water would have to be heated on that same old stove for those Saturday night baths. And oh, washing and ironing, what a miserable chore that was for Mom! But now what do we find? The Mrs. gets up at about the same time, but she has that beautiful new electric range.

Washing and ironing are not so bad now, either, with that new automatic washer and dryer. It doesn't make any difference if it does rain. And ironing—she sits down to iron! If it gets pretty warm in the house, we just turn on the exhaust fan and it cools things off in just a few minutes.

Oh yes, and with that electric water heater, we don't mind taking a bath every night instead of waiting 'til Saturday! All of these conveniences were made possible through the Rural Electrification Act of 1935.

It is true that about one-half of the states in the United States are 90 per cent electrified. (Your co-op area is about 98 per cent electrified). Of the other one-half, some states run below 75 per cent. The revised census figure indicates

only 86 per cent of American farms have electric service. That means there are probably one million farms and establishments which do not have electric service.

So let's all join hands and say that this job of getting service to everyone who wants it is not completed until the other 14 per cent are enjoying the conveniences that we are.

NEWS FROM M.J.M. Co-op Carlinville, Ill. A. C. Barnes, Mgr.

TELEPHONE NUMBERS FOR OUTAGE CALLS

Office—8:00 A. M. to 5:00 P. M. except Sat. & Sunday holidays
John Scroggins Carlinville 136
John Scroggins Carlinville 577-Y
Aerio Malestri.....Hillsboro Co. 8506
Claude McAfee.....Brighton 4C
Charles W. Witt, 803 Sumner St.Jerseyville 296W
Wayne Bandy, 830 School St.Hillsboro 830 KX
Delmar Miller, 431 Sumner St.Carlinville 342J
Howard Bloomfield Carlinville 153L
William Hensen, Jerseyville 437-R
James Hopper, Carlinville 321X
If lineman does not answer and fo. any other business aside from trouble calls—Call A. C. Barnes, Carlinville 565-L.
KEEP THIS LIST NEAR YOUR TELEPHONE. CHECK with your neighbors to see if their lights are out before calling. Then report the line outage.
COOPERATION INSURES BETTER SERVICE

It may seem a little in advance to talk about the annual meeting, but the month of November rolls around in a hurry after school



starts. Although no definite details have been worked out as to the meeting, we do know the date, as it is fixed by the by-laws of the cooperative. It will be held on the third Saturday in November, which is the 17th day of the month.

Let us suggest that you mark on your calendar that date as the annual meeting day of your cooperative. We hope you will be present. More information will be given in the October and November issues of this paper. Full details will be mailed to all members previous to the date of the meeting.

NEWS LETTERS

Dear sirs: This is to notify you that we have installed an electric milk cooler on June 10. Yours truly,—Howard Kruse, Sorrento.

I have added a home freezer since last month.—Chester Darr, Medora.

We now have a television set and this month have purchased a mixer and home freezer.—J. S. Hall, R.R. 3, Carlinville.

Dear friends: I am writing to tell you that we have a new electric range and like it very much.—Mrs. William C. Strohbeck, Brighton.

Dear sir: Find enclosed check for payment of final bill on the cabin, which I really did hate to give up. I had to go to Carrabelle, Florida, because of poor health, where we have a tourist court, known as Ell's Court. If any of you get down this way, we will be glad to see you. We are located on Highway 319, Carrabelle, Florida.—Very truly yours, Frank A. Ell.

Glenn Mabus, Carlinville, has been appointed to the Farmers Home Administration Committee for Macoupin county. Barbara Ann Bloom, daughter of Mr. and Mrs. Carl Bloom, Carlinville, was married to Paul E. Flori on Saturday, August 4. Mr. and Mrs. John Kallal, Chesterfield, are on a trip to Canada to visit his brother.

NEWS FROM Southeastern

Harrisburg, Ill.
Thomas Clevenger, Mgr.

The following is a list of telephone numbers which may be called when necessary to report an outage or any trouble on the lines.

Monday - Friday	Call
8 a. m. to 5 p. m.	1360
Saturday	
12 Noon to 5 p. m.	1363
With exception of Saturday	
Sunday and Holidays	
5 p. m. to 10 p. m.	1363
All other hours	1430
	776W

Since early in the year of 1950, your cooperative has been searching and sorting all the available information on membership applications, deposit receipts and membership fees scattered through the co-op files.



T. Clevenger All this adds up to an honest attempt to establish and to enforce the membership policies of your cooperative.

Both the by-laws and the articles of incorporation which are the back bone of your cooperative organization, legally and otherwise, are very specific concerning just who can receive electric service from the cooperative and what constitutes his legal rights to receive service. In other words, you must be a member in order to receive service.

After approximately 18 months of detailed searching and preparation of membership files, it now seems apparent that insufficient information is at hand to clearly establish the bona fide records necessary to legally declare that all you members are actually members.

QUESTIONNAIRE

In the very near future some of you members will receive through the mail a questionnaire concerning your membership status. One part of this mailing is a letter explaining why the information is needed. Another part is a complete membership policy explanation and the third is the part presenting questions for you to complete pertaining to your individual condition.

We have also a self-addressed, stamped envelope for your convenience in returning the questionnaire. Please believe that the information requested is of the utmost importance. The mailing of this request for information is an establishment of the fact that your membership record is not up to par. For the benefit of all concerned, please return the necessary information.

Where the cooperative records fail to show that the membership fee was paid, there have been a number of cases wherein the member was able to show substantial proof that the \$5 was paid and had a cancelled check or a receipt to prove payment.

This may be the situation in connection with a number of the questionnaires mailed. If so, we would appreciate your either mailing or presenting the proof here at the office, so the error may be corrected.

Correct spelling of names, signing of applications, status of service, (whether service is being re-

ceived in your name or some other name), payment of membership fees, all these are pertinent in keeping your records correct.

Prompt return of the information will be appreciated and then we will be able to mail out all the membership certificates to you members.

RADIO PROGRAMS

Southeastern, with four other cooperatives, is now sponsoring a radio program which is heard Monday through Friday at 6:15 a.m. to 6:30 a.m. over WMIX. After September 1, this program will be broadcast at 12 noon to 12:15 p.m. The All-American Quartet is now featured on the program. However, after September 1, the program will include a newscast, rather than the quartet. The program will still include the same type of messages as before—information concerning the functioning of your cooperative.

If the new time is more convenient for you, please let us know. Also, write us if you have any suggestions or criticisms of the program which would enable us to make it of more interest or help to you.

Remember, this is a program sponsored for your benefit. Whether you think it worth while or not, let us know. We are interested in what interests you.

SERVICE DEPT.

Ivan Wilson, Eldorado, has recently been employed by your cooperative service department. He will fill the place vacated by Vester L. Sutton, also of Eldorado. Wilson will be a field representative. Some of you will no doubt have occasion to meet Wilson. You will find him very willing to help with any problems which may arise, concerning your electrical service.

EMPLOYEE WEDS

Miss Umeeka Johnson, formerly employed in the billing department of your cooperative, was married on July 19, to Kenneth K. Mitchell, also a former employee of Southeastern.

Mrs. Mitchell was a Southeastern employee for two years previous to her marriage. She and Kenneth are now living in Paducah where he has employment.

NOTE

We're still looking for information and articles of interest for publication in our monthly newspaper, The Southeastern Light.

NEWS FROM Clinton County

Breeze, Ill.

Joseph Heimann, Supt.

IMPORTANT PHONE NUMBERS TO REMEMBER

Keep This List Near Your Telephone At All Times.

From 8 a.m. to 5 p.m. Mondays through Saturdays, call the Office, Breeze 76.

In case of an outage or for any other emergency after 5:00 p.m. call: Ernest Becker Breeze 69 Robert W. Vander Pluym Breeze 278 Robert Hintz Shattuc Joseph Huelsmann New Baden 59R Paul Huels New Baden 108R

Cut this list out of the paper and put it near your telephone or paste it in the directory where it will be available at all times. In case of an outage check with your neighbors first to see if they have lights before reporting line or individual outages.

The cooperative's new office, garage, and warehouse building was finished about the last week in August, at which time we intended to move all office equipment and as much of the line material, etc., as possible. Those members who come to the office to pay their bill will have an opportunity to see



J. H. Heimann this new building.

At this writing (August 10) the plastering, glass work, flooring, ceiling, and almost all of the wiring, plumbing, and carpenter work were completed in the inside. The drive-ways were also in the process of completion, as well as the landscaping, etc., on the outside.

We are very satisfied with the contractors' work on this building and especially with the short time in which it took them to complete it, the longest delay being, of course, the bad weather in early

spring, and also some time lost waiting for the plasterers.

4-H CAMP

We have again participated in the electrical crafts project offered to 4-H members who spent a week camping at the West Frankfort 4-H Club camp. This year more crafts of all types were offered than in any year before. Since this camp is for 4-H members only we think it is one of the best things ever offered to a club of this kind.

It gives the boys and girls a chance to meet and get to know others from different parts of the State, and also to learn many other things which will be a big asset to them in later life. The schedule for each day was very complete, starting with the flag raising in the early morning, to lights out and bed time at 9:30 p.m. Some things other than craft work offered these campers were: swimming, fishing, boating, nature hikes, games of all kinds, and of course, the most important, very good food.

THANKS

Thanks to Mrs. Robert Eilers, and Mrs. Kavanough for reporting damage on the co-op lines during two recent outages. Both of these calls came in at almost the same time we received our first call telling us of an outage on these lines.

Both saved your co-op a lot of time and expense in restoring service. These people are to be congratulated on their alertness, and again we hope that calls of this nature will keep coming in.

SPRAYING

As of August 1, your co-op finished the spraying of brush for this year. We have sprayed quite a number of miles of brush again this year, and as usual, have found it to do the job it's supposed to do. A very satisfactory kill was found in all the sprayed areas, thereby helping us eliminate some brush each year. We will spray again next year, and will probably start about the middle of May instead of in June as we did this year.

Since most of the consumers are glad to have this brush sprayed and killed under the lines on their farms, we have had quite a few people asking us when we would spray under the lines on their property, as they too would like to get rid of it. It's quite a job to do it all in one year, but we will get to these areas sometime during our spraying period, which will probably continue until all the brush has been sprayed and killed.

LINE M

The conversion work on line M and D, from Beckemeyer substation to the Trenton substation is done. We were given a lot of cooperation from you people being served from these lines during the conversion work, because of times when the power had to be off, and want to thank you again for this splendid cooperation.

This line will also serve as a tie in line between the two substations, and will also help ease the voltage condition in these areas because of the ever growing kwh demand. Since more and more electrical appliances are being added every day, we build this line of heavy conductor, hoping that it will handle the future load for quite sometime.

OPERATING REPORT

Miles energized	715.76
Revenue per mile	24.75
Total members	1,968
Density per mile	2.75
Average bill per farm	8.07
Average kwh used per farm	270

NEW APPLIANCES

- Water heater—Hy T. Zurliene, Lloyd Gambill, John W. Mueller.
- Range—Frank R. Pratt, Lloyd Gambill.
- Home freezer—Irvin Noller, Harold Huffman, Julius Just, Ed. Speiser.
- Water system—Henry Voland.
- Milk cooler—George Kluemke.
- Refrigerator—John W. Mueller
- Sewing machine—Herbert Hanke, Orville Hartlieb.
- Television—Julius Just.
- Washer—John W. Mueller.
- Ironer—John W. Mueller.
- Power Saw—Henry Voland.
- Fan—Emil Gresser, Lloyd Gambill.

Some alfalfa plants may grow more seed than others because they smell like lilacs. University of Wisconsin workers believe more insects may be attracted to the sweet-smelling plants, and pollinate them better.

NEWS FROM Illinois Valley

Princeton, Ill.

F. I. Ruble, Mgr.

Address: 430 South Main Street Telephone: Princeton 135 Office Hours—8:00 A. M. to 5:00 P. M. Monday through Saturday

TO REPORT OUTAGES — AFTER HOURS:

PRINCETON AREA: Milford Jontz, General Foreman, Telephone: Princeton 2-1199 or Floyd Christiansen, Maintenance Foreman, Telephone: Princeton 2889.

TO REPORT OUTAGES — AT ALL TIMES IN:

GALVA AREA: Lester Register, Maintenance; Telephone: Galva 504-J.

OTTAWA AREA: Jack Lewis, Maintenance; Telephone: Ottawa 2987-R3. Keith Bretag, helper; phone 1605-R1.

NOTE: Members in Galva and Ottawa areas please try to report trouble to your maintenance man before calling Princeton.

Tuesday, September 25, is the date of the 12th annual meeting for members of our Illinois Valley Electric Cooperative. The meeting will be held in the auditorium of the Princeton High School at Princeton, and will be called to order by President Upton Craig at 10:30 a.m. for the transaction of necessary business. This includes reports by the officers and manager, voting on necessary matters of business and active participation in the meeting by members.



F. I. Ruble includes reports by the officers and manager, voting on necessary matters of business and active participation in the meeting by members.

Other matters of business to come before the assembly will be the election of four directors—three each for a term of three years and one for a term of two years. This new director will complete the term of the late Ray T. Snyder.

You will be advised in the official notice of the annual meeting of recommendations made by the nominating committee of members nominated to be voted on at the 12th annual meeting. Your Board of Directors urges you to plan to attend the annual meeting and bring other members of your family with you.

MEETING INFORMATION

This annual meeting for members of your cooperative vitally concerns you, as a member of this \$2,000,000 organization. It provides an opportunity to learn, from the reports presented, data and information concerning the operation and management of your cooperative.

The overall success of your cooperative or any business depends upon the interest and concern shown by its members. Your cooperation and attendance is needed to make this 12th annual meeting a success. Invite your neighbors and plan to attend yourself.

ENTERTAINMENT

The high school band, directed by Leland Stamm, will present a concert between 12:30 and 1:15 p.m. The Princeton High School band is recognized as one of the outstanding bands in this section and its good band music is always enjoyed. Other entertainment will be available and appear during the morning and afternoon sessions.

SPEAKER

A well-known individual, who is vitally interested in the rural electrification program, will present a short address when the members and guests convene for the afternoon session at 1:30 o'clock. This address will be followed by a report of the nominating committee and election of four directors. The meeting should be over by 3 p.m.

POT LUCK DINNER

So much interest has been shown in the pot luck dinner held each year in connection with our annual meeting that the committee decided to plan for it again this year. A committee has been appointed to help serve and this committee will be assisted by the Home Ec class of the Princeton High School, directed by Miss Frances Malisbury, Home Ec instructor.

What to bring? Each family is asked to bring sandwiches,

meat or covered dish, dessert, one pint of strong tea and individual table service. Bring along a dozen or more tomatoes if you have them. These will be sliced and put on the table. Your cooperative will furnish coffee, sugar, cream and potato chips. Tables will be placed on the school campus and serving will be cafeteria style. If it rains, serving will be in the high school gymnasium.

Please note: Members bringing tomatoes or dishes they wish to keep hot, please advise registration desk and someone will take care of them. There will be visitors from neighboring cooperatives, other farm organizations and from the Rural Electrification Administration. May we suggest that you put in a few additional sandwiches. Thanks.

ATTENDANCE AWARDS

An unusually fine array of attendance awards have been donated by co-operating dealers and distributors. These will be distributed at the close of the meeting. May we again urge that you and members of your family plan to attend.

We trust by now that you have read enough about the 12th annual meeting of your cooperative and have decided to bring your family and attend. You'll enjoy the fine contacts you'll make there and appreciate meeting other members, who, like yourself enjoy talking about co-op power.

A number of inquiries have been made asking if replaced poles on the existing line were for sale. These poles were removed and left along the right-of-way until they could be hauled to where additional lines were being built, and will be used again. There are no poles for sale and most of the poles will have been hauled to other locations by the time this issue of the Illinois REA News reaches you.

VACATIONS

For a number of years many farmers felt they could not afford to take a vacation. Thanks to the short cuts, conveniences and labor saving appliances and equipment made available through the coming of electricity to the farms, farm people today can plan on a vacation like business or professional personnel living in urban areas.

There is no question but that these vacations are not only appreciated by the men folks but by other members of the family as well. It provides new life and a new outlook to carry on.

BACK ON THE JOB

LeRoy V. Hard, who was recalled to service in November 1950, returned from Korea July 27. He reported for work August 13, and seems quite happy to be back on the job and we are pleased to have him with us again. During the time LeRoy was on leave from the Co-op office, he spent seven and one-half months in Korea.

The Lounsbury Construction Company, Benton Harbor, Michigan has practically completed its contract to improve sections and build lines in accordance with the conversion program developing from the system study made some months ago. All that remains now is "the clean up." Supervising personnel and other employees of the construction company are to be congratulated on their efforts to do the job in a satisfactory manner.

4-H CLUB SHOWS

Congratulations to the leaders, their assistants and to all participants in the several 4-H club shows held in the counties served by our cooperative. The fine showing in all projects, the exceptional interest shown by parents and the improvement in types and kinds of exhibits made by all 4-H club members indicates the efforts expended by each participant.

Electricity has contributed much to the success and development of the 4-H club program, through its application and use, by assisting leaders and club members to carry on their projects.

Potato plants get most of their water from the top few inches of soil, research men at the University of Wisconsin have found, but alfalfa may get much of its water from a depth of three feet or more.

Parathion and TEP are two new insecticides which are very useful for some purposes, but are dangerous because they are poisonous to people and, unlike DDT, can be easily absorbed through the skin.

STOP RUSTY RED WATER
use **MICROMET** for FREE booklet write to Calgon, Inc. HAGAN BUILDING KANSAS CITY, MO.

**NEWS FROM
Eastern Illinois
Power Co-op**

Paxton, Ill.

T. M. Brady, Manager

**TELEPHONE NUMBERS
FOR OUTAGE CALLS**

Office—8 p. m. to 5 p. m. except Saturday, Sunday & holidays. Paxton 185.

- Toni Barbieur, Paxton, 595
- Kenneth Slater, Paxton, 576
- W. S. Nelson, Paxton, 409L
- Jesse Fietz, Gilman, 159
- W. H. Kamm, Hoopeston, 462.
- Don Allison, Hoopeston, 714M.
- Harold Turner, Cropsey, 56
- Virgil Farris, Watska, 314R
- Howard Gustafson, Watska, 786.

In case of an outage, check to see if your neighbors have service. If not call collect one of the above numbers. If your call is not accepted, you will know that the report of the outage has already been received and that it is being taken care of.

Dear Member: Your cooperative has just completed conversion of three and one-half miles of single phase line to three-phase heavier lines and converted two miles of single phase line to two phase heavier line in Onarga and Crescent townships, Iroquois county, to take care of the increasing load of our members in the above townships and also part of Douglas township.

This new line is built to take care of all future needs of our members in that area. This is a part of the ever increasing conversion work that is carried on by your cooperative to take care of the needs of its members and to anticipate the ultimate needs to give them good, adequate electric service.

REA RADIO SYSTEM

Your President, R. L. Stanford,



of your cooperative, has signed a contract with Motorola, Incorporated, of Chicago, for the installation of a two-way radio system, to be located in Paxton. When completed this new system will replace the present radio-telephone system now furnished by the Bell Telephone Company.

The present radio-telephone system is not adequate to take care of the needs of the cooperative and the new system will give a much better and greater coverage to the trucks in the cooperative area.

The new radio system will require a 320-foot steel tower, to be located at Paxton. A pair of wires will run from the tower to the cooperative office and when this is completed, all service calls during office hours will be handled from the cooperative office.

They will then be dispatched over our own two-way radio to the men in the cooperative trucks wherever they may be. This will shorten the interruption of electric service to our members and will give them much better electric service, especially during storms.

The two-way radio system will be a 60-watt station on 152.410 megacycles frequency, and will be able to give 95 per cent radio coverage in the cooperative area. Each truck will be equipped with radio mobile units ready for call at any time and will be arranged to operate the horn to signal the operator, in case he is out of his truck.

This system will have the latest improvements. The tower will be a self-supported tower, equipped in accordance with the Federal Communications System with a flashing beacon of two 500-watt bulbs and will be turned on and off with a photo-electric cell. Application for permission to operate

this radio has been applied for by R. L. Stanford, president of the cooperative.

This is another improvement your board of directors approved to render good electric service to our members with a minimum of outage, as the directors realize that the farmer is dependent on good electric service.

RADIO GRAIN DRYING

Grain drying may soon be speeded by a new method—radio frequency or dielectric heating—report U.S. Department of Agriculture research engineers. Research in dielectric heating has been carried on in alfalfa hay, corn, wheat, and rice during this past year.

Advantages suggested are increased drying speed and uniform drying throughout the grain or kernel. Further experiments are being made to determine the effect on bacteria, insects, and mold spores.

Dielectric heating results when radio frequency energy, provided through a heating circuit, is changed to heat energy in each grain or kernel. As the radio waves oscillate in the grain to be dried, they create friction in the molecules of the grain, which results in heating. The advantage of this type of drying or conditioning over ordinary forced hot air drying is that heating is uniform throughout each grain or kernel, rather than just on the surface.

Experiments at the Nebraska agricultural experiment station so far seem to indicate that this type of drying would be limited by the cost of drying, as it is practical only if speed of drying were important. No cost figures are available as yet. Also there is not any data on construction and installation problems.

A STORY

Seems there was a businessman who wanted to train his son to be a good trader. He had the boy go to the livery stable to make a deal to feed and care for the family horse for the winter. The lad felt he had done well to get a price of \$30 but on reporting to his father, he was told he could do better than that.

After several more trips back and forth, he proudly reported that he finally had a deal at \$15. Father was pleased but to clinch it, he told his son that they could use the manure. The boy went back to inquire. The livery man, exasperated by the interminable bargaining, sighed and said, "Son, at \$15 there won't be any manure."

HALO-POLISHING

There's a lot of publicity these days about the rural electrification job being "completed." We want to assure every farmer in this area—our members and those who aren't—that we're not polishing home-made halos or celebrating with smug belief that we've gone about as far as we can go in this business of providing dependable, low-cost electric service.

We want our members to know that we'll continue doing all we can to give them even better service at cost, without profit . . . to enlarge our system to meet their fast-growing demands.

And we also want to let those farmers who do not yet have electric service know that we don't consider our job completed. Limited only by available materials and sound business operations, we intend to do everything possible to get them service as soon as possible.

As a locally-owned, locally-controlled business we are proud of what we have done in this community; but we are much more concerned with all that remains undone. Your board of directors are in agreement with the above statement.

High yielding hybrids are partly responsible for huge increases in corn yields in recent years, but some agronomists say that good soil management practices are much more important.

Cash expense, now amounts to 70 per cent of the cost of growing a crop of corn. Thirty-five years ago only 35 per cent of the cost of raising a corn crop was a direct cash cost.

**NEWS FROM
Tri-County
Electric Co-op**

Mt. Vernon, Ill.

H. G. Downey, Manager

Since July 1, this cooperative, along with four other cooperatives in southern Illinois, has been sponsoring a radio program over radio station WMIX, Mt. Vernon.



This program has been carried at 6:15 to 6:30 a. m. each morning. But, after making a survey we believe that farmers do not arise as early as they did in the "good old days". The surveys we have made by telephone indicate that a considerable number are not up at that hour. We are wondering if this is true.

It was anticipated that around September 1, the program will have been changed to the noon hour, 12:00 to 12:15, and will include a news broadcast in place of the All-American Quartet now being heard on the program. We would welcome the comments of the members regarding this program.

ANNUAL MEETING

At the time of writing this article, indications were that a large number of members would attend the annual meeting. Meal reservations were very high compared to former years, which indicated a large attendance. More details regarding the annual meeting will appear in another section of the Illinois REA News.

VOLTAGE TROUBLE

Our supplier, The Illinois Power Company, is experiencing voltage difficulty and it became necessary on Tuesday, August 7 to increase the voltage at our Marlow substation. This increase in voltage was approximately seven volts and we now believe that all members served from this substation are experiencing satisfactory voltage. The condition on the supplier's lines will probably exist until the new west Mt. Vernon substation has been completed. It is expected that this substation will go into operation during the month of October.

PURCHASE SITE

Negotiations have been completed for the purchase of a substation site located approximately one and one-half miles south of the city limits of Nashville. Your cooperative will erect a substation on that tract of ground, to serve the western part of Washington county, sometime during the fall of this year.

At the present time members in the western part of Washington county are served by a temporary connection with the Illinois Power Company at Addieville. Because of the danger of overloading the Illinois Power Company line in this area the new substation is being installed south of Nashville.

INCREASE SIZE

At various times during the next month Marion county members, located in the south part of Marion county, will experience momentary interruptions of power in connection with the installation of a larger substation being erected by the Illinois Power Company. This substation is being increased in size to handle our load and the load created by the water flooding of the Salem oil field.

HEADQUARTERS

Delay is being experienced in taking bids on the Mt. Vernon headquarters building to be located west of the city limits of Mt. Vernon on U.S. Highway 460. An application is now before the National Production Authority, requesting steel for this construction. If the application for steel is granted it is anticipated that bids will be taken within the next 60 days for the construction of the building.

NEWS ABOUT EMPLOYEES

Our billing clerk, Mildred Atkinson, left the employ of the cooperative on August 3, to move to Denver, Colo., where her husband received a transfer in employment. Our best wishes go to Mildred, who has certainly done an excellent job handling a portion of the billing

work for this cooperative. Mildred has been replaced by Thelma Boswell, who lives between Mt. Vernon and Opdyke, and we welcome Thelma to the ranks of Tri-County Electric employees.

Tri-County employees really covered the country on vacations. Callie Maddox has returned from California; Helen Glover vacationed in Oklahoma; Nellie Poole went to Canada, and Paul Vursell tried out the vacation land of Florida. On the line crews, Ed Lee, Bob Rushing, Paul Poole and Tom Racine took their annual vacations.

NEW APPLIANCE

Ray Nichols at Scheller, reports the installation of a new electric stove and W. W. Combs of Woodlawn has purchased a new electric refrigerator. Our thanks to Doris Howe, G. E. Jennings and Mrs. Aaron Drennan for their kindness in giving the office lovely bouquets of cut flowers.

The stork seems to be rather inactive among our members. We have one new baby to report this month, a baby boy born to Mr. and Mrs. Lawrence Schultz, Route 4, Nashville, on July 2.

OPERATING STATISTICS

	1950	1951
Miles energized	1,849	1,998
Revenue per mile	\$21.78	\$23.78
Connected members	6,334	6,726
Density per mile	3.43	3.37
Average bill	\$6.36	\$7.07
Average kwh used	185	222
Kilowatts sold	1,170,415	1,494,076

**NEWS FROM
Rural Electric**

Divernon, Ill.

Ralph V. White, Mgr.

OFFICE HOURS

8:00 a.m. to 4:30 p.m., Monday through Friday. The office is closed all day Saturday. Telephone Number—Divernon 19.

Only trouble calls should be made after 4:30 p.m. daily and on Saturdays and Sundays. For trouble calls during the hours the office is closed, call Divernon 19—operator will connect you with the lineman on duty for outage calls.

Uncertain delivery dates on steel parts, necessary for construction of a substation, may slow up completion of the Sicily substation. The concrete slabs, on which transformers, regulators and metering equipment will set, have been poured.

TRANSFORMERS

New 500 KVA transformers have been installed at the Lowder substation. The 333 KVA transformers that had been in service at the Lowder substation will be put into use at the new Sicily substation. This move will help your cooperative keep pace with the ever-increasing demand for electric energy.

The steel framework structures are all that are needed at this time to complete the substation, but these are necessary to begin the work. An earlier delivery date had been expected, but steel allocations to the suppliers forced them to postpone the delivery date.

PICNIC

The employees and directors of your cooperative enjoyed a basket dinner August 7. The picnic was enjoyed fully by those who attended. Group singing, led by Manager White, highlighted the entertainment. It was reported that the "so-low" by Director Frank Caruthers was the feature number.

The evening seemed to be thoroughly enjoyed by all those who attended. Fried chicken was in abundance at this special event held at Lake Park on Lake Springfield. It is altogether too infrequent that directors and employees of your cooperative have an opportunity to get together at such a meeting.

portunity to get together at such a meeting.

ELECTRIFICATION WEEK

Private power companies proclaimed the last week in August as Rural Electrification Week. It was reported that up to \$5,000,000 was spent stressing the private power companies' role in the work of "rural electrification."

We have always heard about the tail that wagged the dog, and that is what the advertising sponsored by these utilities reminds us of. Prior to the enactment of the Rural Electrification Act of 1935, less than 11 per cent of the nation's farms had central station electric power.

At that time the private utilities reported that rural electrification was nearing completion, that about all of the farms that could use electricity productively had it.

NOT COMPLETED

Rural electrification is not complete yet today, anymore than farming or industry is complete. There just isn't any completion in sight. True, most farms in this area do have electric service available, but there are very few farms that have completed the job of electrifying.

The availability of power is the first step in electrifying rural America. Most farmers have as a goal the complete electrification to their farm, putting electricity to work productively. There are more than 300 known farm uses of electricity. More are being developed. Who can say when or if this will be completed?

Rural Electrification is a mere infant, newer than automobiles and tractors, yet there are those who would proclaim a week of "celebration" of a "completed" job.

As the newly acquired servant electricity becomes more adept at relieving rural America of tiresome chores, electric systems have to keep pace with the demand, try to look ahead, and plan for the future. It's an ever growing task which seems to have been overlooked by the sponsors of "Rural Electrification Week."

BRUSH SPRAYING

Your cooperative's brush spraying crew is working steadily on the task of killing the brush before the brush kills the line. Killis Young and James Kopp are the two personable young men who operate the sprayer.

They always request permission to spray your right-of-way, so when you see the bright red truck with the sprayer equipment checking the right-of-way, you should cooperate with them to the fullest extent, as they will with you, in keeping the right-of-way cleared.

CASH IN MAIL

There are still a few members who insist on sending cash through the mail. We want to stress again the danger of putting cash and loose change in an envelope and putting it in the mail. Very often letters are lost in the mail, or delivery delayed.

There is absolutely no way to check back on loose money sent through the mails. If you have a checking account we suggest that you pay by check. If not, for a few cents you can purchase a bank draft or postal money order. This precaution of spending a few extra cents will guarantee that your money will not be lost in transit.

True, the number of persons sending cash in the mail has decreased, but it only takes one black sheep to prove that all sheep aren't white, and it only takes one loss to prove that it's cheaper to pay by bank draft or money order.

VACATION TIME

Several employees of your cooperative have been hitting the vacation trail recently. Gerald Humke toured the Western states and enjoyed the rodeo at Cheyenne, Wyoming.

Al Duval motored to New York again this year and back the Canadian route. New York was the original home of Al. "Bud" Wilson was enjoying a motor trip as this was being written. His whereabouts are not definitely known.

Patricia Smith recently returned to work after a vacation in Florida. Joe Surber and Henry Lovel spent their vacations "working at home."

**LARAMORE and DOUGLASS, Inc.
ENGINEERS**

Power Plants, Distribution and Transmission Lines

SYSTEM STUDY SURVEYS

79 East Adams Street, Chicago 3, Illinois
REA FIELD OFFICE—123 North Market Street, Paxton, Illinois

NEWS FROM Egyptian Co-op

Steeleville, Ill.
R. S. Holt, Mgr.

TELEPHONE NUMBERS FOR OUTAGE CALLS

Call Office at Steeleville No. 68R2 between 8:00 A.M. & 4:30 P.M. except Sundays and holidays, or if closer

Call Warehouses at Carbondale No. 25-F-12 between 8:00 A.M. & 4:30 P.M. except Sundays, Saturday and holidays.

After office hours call the following nearest telephone:
Alvin Long, Carbondale, No. 30-F-11
John Shriver, Chester, No. 544-R
Robert Huddleston, Steeleville, No. 43-F-41.
William Muench, Steeleville, No. 82-R-12.

In case of an outage, check to see if your neighbors have service. If not, call the nearest telephone listed collect. If your collect call is not accepted, you will know that the outage has already been reported and is being taken care of.

An unusual number of thunder storms with lightning have caused



service interruptions this summer. In most cases these outages have been limited to individual members, and to no big sections of line. The reason for this is our new line equipment, such as oil circuit breakers and sectionalizers. With autumn in the air, it is hoped that fewer thunder storms will mean fewer interruptions in service.

NEW THREE-PHASE LINE
Construction has been going on for quite sometime on building the new three-phase line from Palestine to Kellogg station. Quite a number of people along this line have been experiencing service interruptions due to this construction.

We realize that it is annoying to have the service turned off, but it is impossible to do this work any other way. Up until this time, work has been completed so that people north and south of Palestine will not have any more service interruptions due to this cause.

Two new tie-lines are being built to further minimize outages. These tie-lines are temporary lines to carry power while the main line is under construction. They will be removed as soon as the new line is completed.

By doing this it will only be necessary for our crews to have short sections of the line turned off at one time, and as you know these interruptions will be at a time of day that will not interfere with cooking and lighting.

CROP DRYING

This year, rains have destroyed thousands of dollars worth of hay and grain for the farmers in this area. In many cases many crops could have been saved, or at least a great portion of them. Grain driers and hay driers are being used in many sections of the country with great success. If you are interested in hearing about these, contact your co-op office or your farm adviser.

4-H CLUB

Nearly 60 4-H boys have selected the farm electricity project this year in Randolph, Perry and Jackson counties. Your cooperative has assisted these boys as much as was possible. We are glad to see the great increase in interest in electricity by these future co-op members. It is hard for these boys to realize that just 12 short years ago, there was no electricity on farms to help them do the chores.

NEW APPLIANCES ADDED

Glenn Dickey, home freezer; Luvicia Wicklein, milk; Mrs. Istle Williams, hot plate; L. L. Halstead, radio; Charles Shields, ACSC welder; Sylvester Welsch, water system; John Bilderback, electric pump, electric water heater; S. E. Henderson, refrigerator; George Jennings, deep freezer; Carl Schlimpert, deep freezer; Clyde Shadown, refrigerator; Arthur Wisely, deep freezer; William Causey, refrigerator.

Lewis Elders, range; Mary D. Bailey, range; Leonard W. Gross, range; Charles V. Stewart, milk cooler; Louis Hottes, water system; Rayburn Minton, radio; Henry Schwarz, range; John Uinter, air compressor; Lola Duncan, milk; Elmer J. Eggmeyer, television; Joe Lawrence, refrigerator.

Frank McLaughlin, window fan; J. J. Moll, deep freezer. David Ohms, deep freezer; Joe Pierson, range; Henry Seeman, refrigerator; Louis Keeley, range; Gregory Bievenue, water heater; Roy Jenkins, electric range; Arley McClure, refrigerator, radio; Albert Varsa, television; George Weiss, refrigerator; Adolph J. Fish, window fan; Chas. D. Leck, waffle iron; Robert P. Tomilson, exhaust fan; Harrison Hagler, toaster; Wilmer Schaller, window fan.

OPERATING REPORT

	July	July
	1950	1951
Members connected	4,318	4,413
Miles energized	1,475	1,527
Average bill	\$ 6.14	\$ 7.36
Average kwh	160	188
Revenue per mile	\$17.99	\$20.96
Operating expense per mile		
(Less power cost)	-\$ 4.15	\$ 6.47
Density	2.92	2.89

NEWS FROM Edgar Electric

Paris, Illinois
J. E. Hardy, Mgr.

Mailing address: 219 N. Main St.

Telephone: 85

Office hours: 8:00 a. m. to 5:00 p. m. (Monday through Friday)

Notice: Due to high cost of operation and government regulations on working hours, the cooperative office will be closed on Saturdays.

In case of interrupted service at any time other than the regular office hours, call one of the following numbers:

Clifton McConchie—2996, Kenneth Childers—696X, Clayton Sprouls—1339, Lester Smittkamp—640J, Ben F. Stuck—579M.

At the last regular board meeting, which was held on July 16, your board of directors voted to replace two of our old trucks with



new ones. Lester Smittkamp was lucky, for one of the trucks we traded off was his old one, and Hepburn, our engineer, is driving the other new one. He is also very glad that we did some trading, as he was driving an old 1947 model. The latest information that we have in regards to our new office building is that REA is now processing the plans. As more information becomes available to us, we will pass this on to you.

OUTAGE CALLS

We have been having several inquiries from time to time as to whom to call in case of a line outage. It is very hard to tell you just whom to call, for we have four linemen who go out on trouble at night, and they take turns about staying at home so that if there is trouble, they will be ready to go out on the outage.

So you see, you call two of these men, and they would not be at home as it would be the other two who were on call duty. This same thing has been discussed at board meetings.

It looks as though there is one solution, and that is to secure

someone to receive calls after office hours, and on Sundays, and holidays. They in turn would call the men on duty. What do you members think about this idea? Write your co-op office and let us know.

METER CARD DELIVERY

This past month, we had a lot of trouble with members not getting their meter cards. We don't know what becomes of these cards when they are dropped in the mail. It certainly appears to us that some of Uncle Sam's employees are getting a little careless. Most of the bills that went through the Kansas post office were destroyed.

Seems as though they threw the mail bag off the train at Kansas, and some way or other, it got under the wheels of the train, cutting up the bag of mail considerably. Miss Bottom, who works in the Kansas post office called at our office and gave us this information.

OUTAGES

We would like to take this opportunity to thank Dwight Miller for calling in and telling us where he thought the trouble might be that was causing the Oliver line to go out whenever it rained. He said he had seen the trucks go by and he believed the boys were looking for the trouble. It turned out to be a broken insulator.

So, once again—thanks, Miller for your cooperation. Speaking of broken insulators, we would like to call your attention to the dove season, which will be in about the time you receive this edition of the Illinois REA News. For us, we wish the dove season never came in, as it is very costly to your co-op.

The sportsman now-a-days hunts while riding in his car, so to speak, and if he sees a dove sitting on a wire, he tries to shoot it, not caring how much damage he does to the line from the pellets of his shell.

If the dove happens to be sitting close to the pole at the insulator, it's boom again. Of course he kills the dove and also the insulator, and the first rainy spell we have, your lines go out. The only way this can be stopped is for you members who are getting current from that line to get good and mad and do something about it.

I don't believe you would stand for some of these hunters to shoot the window lights out of your home, because you own it. And if you do not realize it—you are part-owner of those lines, so protect them, and you will have better service.

NOTES

Clifton McConchie, the general line superintendent, spent his vacation touring down around Miami Beach, Florida. We know that he had been on the beach down there, because he sent us cards of some of the bathing beauties.

The other employees who have had their vacation, all spent theirs at home, or on short trips except George Twigg, who went to St. Louis and took a boat excursion. He said this was his delayed honeymoon.

Mrs. Jeanne Clark, a former employee, is our new cashier. Walter Williams, who has taken Ed Collier's place as field representative of management division, made a short visit to the co-op. John J. Perino, field auditor of REA, is at the co-op office, making an audit of the books.

NEWS FROM McDonough Power

Macomb, Ill.

Arthur H. Peyton, Mgr.

Annual meeting is here again. Your Annual Meeting will be September 4. The time, 11:00 a.m.; the place, the Cooperative Headquarters.

The meeting will start with a basket dinner to be served 12 noon, cafeteria style. Make plans to fill



your basket with fried chicken and all the other good things to eat.

Bring a covered dish to go along with your meat serving, and bread or rolls as you desire. Remember we will have approximately 50 guests who will join us at dinner. An extra serving in your basket will help provide the necessary food for their use.

PIE AND CAKE CONTEST

Your enthusiasm in entering these contests as in former years may bring awards of valuable prizes to you as well as satisfaction to everyone enjoying the basket dinner. A waffle iron will be the first prize for each cake and pie award. The second prize will be announced at a later date.

We had over 100 entries in last year's contest, which proved to be an insufficient amount for the hungry appetites of our members and guests. We would like to have 125 entries. So all members who entered the contest last year should plan to do so this year, as well as 25 new ones.

BUSINESS MEETING

The business meeting will start promptly at 1 p.m., and following the suggestions of the members, we will have short snappy speeches, attending to the business at hand, as well as spicy entertainment in the program.

Rev. Charles Willey, a well-known speaker throughout the mid-west, will bring us an address on timely subjects. Many of you have heard him and will want to again; and to you who have not made Rev. Willey's acquaintance, there will be a treat in store for you as you listen to his address.

The many audiences he has addressed throughout Illinois comment that his inspiring speeches hold you spellbound from the beginning to the end. We feel that this is definitely an asset to the type of annual meeting you have wanted.

Your manager will make a report on the right-of-way spraying program for this year. Your assistance will be asked in the removal of the dead brush that has been the result of the spray.

Self-billing will be discussed with an opportunity for you to ask questions or to cover any other problems that have developed with regard to this plan of meter reading and paying your bills.

EVENING MEETING

Our many friends of Macomb, and surrounding towns will be invited to attend our evening entertainment program. We will plan to adjourn our afternoon meeting at 4 p.m. so that our members who have farm work to do may have time to go home and return for the evening program, beginning at 7 o'clock.

For the balance of you who desire to stay over, you can profitably spend the time in the big tent looking at the electrical fair and seeing the many new gadgets that are available.

The 4-H boys and girls will have supplies of food for your supper, and the Macomb Kiwanis Club will have available cold drinks, while the Macomb Jaycees will provide ice-cream and frozen desserts.

Our evening program will start promptly at 7 o'clock for the purpose of fun only. After the serious business of the afternoon's sessions, it is felt this is a fitting climax to our yearly annual meeting. John Dolce and his band will provide an evening of dancing. Dance contests will again be sponsored with cash awards made throughout the evening.

Our stage presentation will again feature Billy and Becky Lewis, secured for this year by popular

demand. Sonny Taylor of Monmouth, whom many of you have seen on television, will present his dance specialties from our stage.

For the entertainment of the local Macomb folks, such a program would not be complete without local talent. Dorothy McAllister will provide a high spot in our entertainment of home talent.

We will have the premier showing of our own cooperative film entitled "Another Rural Line Is Safely Built." While we are amateurs at producing movies, we do feel that this 30-minute film will be of interest to many of you, showing how rural lines are constructed, maintained and operated.

At the conclusion of the movie film the dancing will then start on the new drives at the back of the headquarters and will continue for three hours.

Will you be there? Come and see the demonstrations, the exhibits, the latest in electrical appliances and equipment. Outstanding talent and prominent radio artists will entertain you. You cannot afford to miss your annual meeting and Electrical Fair which will begin at 11 a.m. September 4 at Macomb. Two big tops equipped with a sound system and comfortable chair seating will be provided. We'll be seeing you.

NEWS FROM Corn Belt

Bloomington, Ill.

T. H. Hafer, Mgr.

We have now 35 per cent of the survey blanks filled out and returned by members. We want to



thank everyone who has returned this information so promptly to us and urge other members to please do so at your earliest convenience.

This information on the equipment members are using and plan to use is of great value to your co-op management in planning so as to have plenty of current for your needs.

BOUQUETS

During the recent storms and floods we appreciated very much the patience and assistance of all members during the time necessary to make some line repairs. We were fortunate that there were no great numbers of outages, but some of them in particular were very hazardous jobs to repair.

The following bouquet coming from one of our members is typical and is greatly appreciated by our employees:

"I would like to thank the members of your staff for the prompt service we received during the recent flood of the Mackinaw. I know, from talking to our neighbors, that we all appreciate it very much and our confidence in REA is higher than ever. Sincerely, Mrs. Floyd Barnard, Mackinaw."

RADIO TOWER

Many people have asked what the new 200 foot steel tower with red lights is doing near the intersection of Routes 150 and 66 on the southeast edge of Bloomington. This is the new radio tower which will be connected by telephone line with your co-op office.

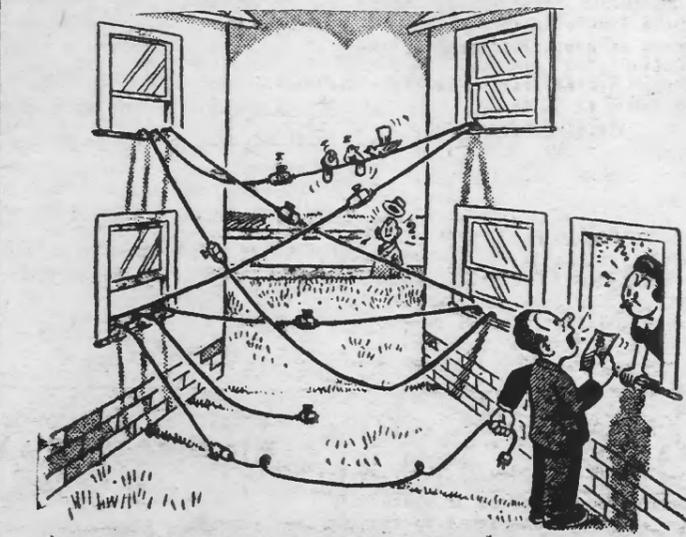
We expect it to be in operation by the time you receive this paper and it will give us more complete coverage for transfer of messages to and from the co-op trucks over the complete area served by the co-op.

GINGLES VISITS CO-OP

We recently enjoyed a visit from Russell Gingles, the first editor of the Illinois REA News. He stopped in for a day with Mr. Nims, who works with him for the National Electric Manufacturers Association. We renewed friendships and also showed them some samples of how our members are using electric equipment.

4-H EXHIBITS

Another very fine display of 4-H members' work on electrical equipment was shown at the McLean County Fair. Fourteen club members exhibited their handiwork in such items as electric poultry water warmers, combination telephone and burglar alarm, pig brooders, electric lamps, electric motors on saw and corn sheller, etc. Your cooperative is glad to assist with projects of this type.



"WE JUST GOT OUR NEW TOASTER. COULD I RENT ONE MORE OF YOUR ELECTRICAL OUTLETS?"



Pen Pals

HI PEN PALS!

Here it is September again—back-to-school month! Isn't it fun to see all your old friends again? We hope that you will remember to write to the Pen Pals whose letters appear on your Junior REA page this month. It's a wonderful way to make lots and lots of new friends. Your letters for publication should be sent to Kay Conlan, Illinois REA News, Box 1180, Springfield, Illinois.

WESTERN MUSIC

I am a girl 13 years old and my birthday is April 14. I have brown hair, blue eyes and wear glasses. I am five feet tall and my hobbies are listening to western music, collecting comics, playing basketball and taking care of babies. I go to Porterville School. I would like to hear from both girls and boys between 12 and 15.—Sandra Vaughn, Star Route 1, Robinson, Ill.

NOVEMBER BIRTHDAY

I am a girl 15 years old and I have blue eyes and black hair. I am five feet, four inches tall and I weigh 120 pounds. My birthday is November 23. Please come on and write to me all you girls and boys. I will answer all of your letters.—Barbara Jean Springs, R. D. Thompsonville, Ill.

CAMPING OUT

I am a girl 11 years old and I go to Edwards School. My birthday is November 15. I have blond hair and blue eyes, and I weigh about 104 pounds. My hobbies are camping out, fishing and riding my bicycle. I have one sister in the second grade. Her name is Carolyn. I would like to have a lot of Pen Pals, so come on and fill my mailbox.—Marilyn Jane Goad, General Delivery, West Frankfort, Ill.

PLAYS THE PIANO

I am a girl 14 years old and my birthday is December 17. I am five feet, four inches tall and weigh 105 pounds. My hobbies are playing the piano, embroidering and playing softball. I have two sisters and no brothers. I have two pets and a dog and a cat. I would like to have a Pen Pal, so come on boys and girls and fill my mailbox. I will answer every letter I get. I would like to hear from boys and girls between 13 and 18.—Wilma Faye Bowen, Box 217, St. James, Ill.

ARNOLD SCHOOL

This is my second letter to the Junior REA News. I am a girl 13 years old and I am in the eighth grade at Arnold School. I weigh 86 pounds and I am four feet, 11 inches tall. My birthday is April 16. My best hobby is going to school and playing the piano. I would like to hear from both boys and girls of all ages.—Betty Lue Beasley, R. R. 2, Creal Springs, Ill.

HOBBY IS SKATING

I am a girl 16 years old and I have blonde hair and blue eyes. I am five feet, four and one half inches tall and I weigh 119 pounds. My hobbies are skating, dancing and reading and writing letters. I would like to hear from boys and girls between 15 and 19 years old. I will answer all letters I receive.—Ola How, R. R. 1, Grand Tower, Ill.

DRAWES PICTURES

I am a girl 12 years old and I have blonde hair and blue eyes. I weigh 78 pounds. I like to read mystery books and listen to stories on the radio and draw pictures. I have one brother and also one sister. I'd like to hear from boys and girls between 11 and 15.—Shirley Ann Collins, R.F.D. 1, Harvel, Ill.

SINGS AT CHURCH

I am seven years old and my birthday is August 7. I have brown eyes and brown hair. I also have big dimples. I live on a 200 acre farm and my hobbies are singing at church and taking care of my little brother. I have one sister, Patsy, who is four years old. I go to Willard School and I'm in the first grade. I can't write very well yet so my grandmother is writing for me.—Dorothy Jean Willis, Miller City, Ill.

LIKES TO SKATE

I am a girl 13 years old and I have blond hair and blue eyes. My two favorite hobbies are skating and collecting movie star pictures. My birthday is March 22. I am a girl scout of Troop 6.—Virginia Marie Corley, 11 N. Franklin Street, Pana, Ill.

DECEMBER BIRTHDAY

I am a girl 15 years old and my birthday is December 30. I have brown hair and blue eyes and I weigh 130 pounds. I am five feet, eight inches tall. I live on a 40-acre farm. My hobbies are writing letters and sewing. I would like to hear from boys and girls between the ages of 15 and 20.—Peggy Jane Davis, R.F.D. 1, Noble, Ill.

LIKES MUSIC

My name is Cora "Bobbie" and I am five feet, three inches tall, have blonde hair and blue eyes. I am 15 years old and a freshman in high school. I enjoy all sports, especially baseball and boxing. I also like all kinds of music. I would like to hear from boys and girls who want a Pen Pal. I'll try to answer all letters.—Cora Ingwald, R.R. 1, Perry, Ia.

OCTOBER BIRTHDAY

I am a girl 14 years old and I have brown hair and blue eyes. I weigh about 125 pounds and I am five feet, five inches tall. My hobbies are sewing, cooking and collecting pictures of movie actors and actresses. My birthday is October 12. I promise to answer all letters that I receive from girls and boys between ages 13 and 17.—Julia Davis, R.R. 3, Chrisman, Ill.



READS JUNIOR PAGE

I always read the Junior REA News with the Pen Pal letter every month. I am 12 years old and in the sixth grade. I have black hair and brown eyes and my birthday is February 18. I have one brother older than I am and two younger sisters. I collect pictures of my friends, so I hope you will be my friends and send me a letter and your picture.—Sara Jane Kautz, R. 1, West Liberty, Ill.

SQUARE DANCING

I am a girl 13 years old and my birthday is July 4. I have brown hair and blue eyes and I am in the eighth grade at Snow Drop School. My hobbies are reading and square dancing. I would like to hear from girls and boys between the ages of 11 and 15.—Billie Hollinger, Mill Shoals, Ill.



COLLECTS PICTURES

I am 11 years old and my birthday is March 10. I have blond hair and blue eyes and I am four feet, seven inches tall. I weigh 84 pounds. I have two brothers who are married and one married sister. I also have one brother at home. My hobby is collecting pictures. I would like to hear from girls and boys between 10 and 14.—Suda Evelyn Bloodworth, Route 2, Buncombe, Ill.

A JANUARY BIRTHDAY

I am a boy 11 years old and my birthday is January 5. I live on a 110 acre farm. I have four brothers, Larry, seven; Bobby, five; Tom, three and Mike, a baby. My two sisters are Betty, 10 and Beverly, 13. I would like to hear from both boys and girls.—Jimmy Jackson, R.R. 4, Pana, Ill.

FISHES

I am a girl 14 years old and my birthday is February 5. I am five feet two inches tall and I have brown hair and blue eyes. My hobbies are writing and receiving letters, fishing and playing softball and basketball. I would like to hear from both boys and girls.—Annie Paszkiewicz, R.R. 2, Box 71, Ashley, Ill.

DRIVES TRACTOR

I am a boy 12 years old and I weigh 105 pounds. I have brown hair and blue eyes and I am in the sixth grade. My hobbies are playing baseball and driving a tractor. I have five pet chickens too. My brother Johnny, who is 18, plays a guitar. I also have a sister, Phyllis.—Charles Knauss, R.R. 1, Texico, Ill.

AN AUGUST BIRTHDAY

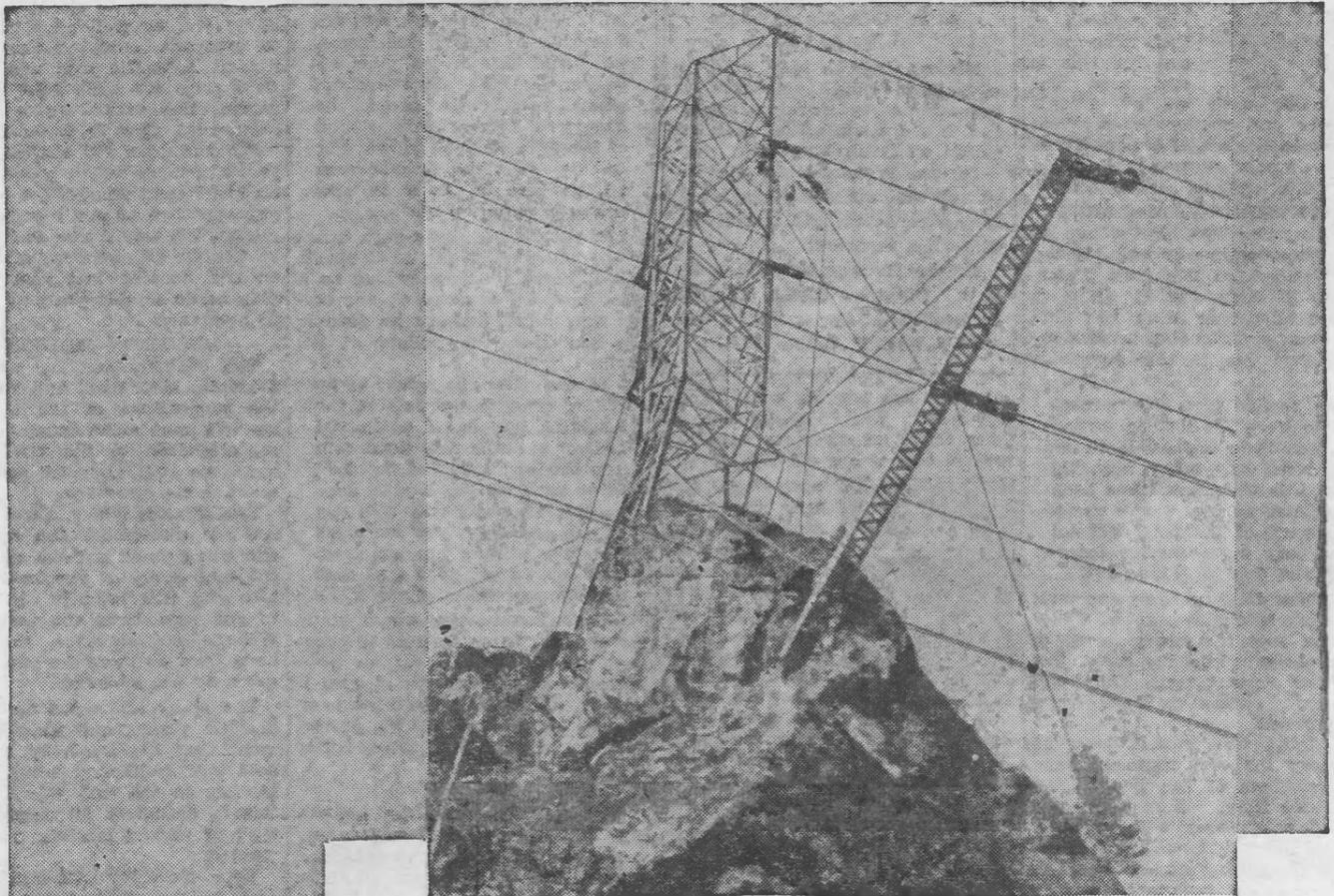
I am a girl 15 years old and have brown hair and brown eyes. My birthday is August 17, and I go to Grand Tower Community High School. My hobbies are writing letters, listening to the radio and collecting salt and pepper shakers. I have three brothers and one sister. I am five feet, three inches tall and weigh about 117 pounds. I hope to have some Pen Pals and I will answer all letters.—Lucille Norton, Grand Tower, Ill.

SWIMMING IS FAVORITE

Hi Pen Pals! Do I have a twin? I am 14 years old and my birthday is March 4. I have black hair, grey eyes and weigh 11 pounds and I am five feet, four inches tall. My favorite sport is swimming. I like to play the piano and clarinet and also enjoy writing to Pen Pals. I would like to hear from Pen Pals in all states, all ages and boys as well as girls. Send your photo too. I will try to answer all letters.—Marcia Hunt, Bishop Hill, Ill.

LIKES WESTERN SONGS

I am a girl 15 years of age and my birthday is October 14. I have brown hair and blue eyes and I am five feet, five inches tall and weigh 123 pounds. I am a freshman in the Metropolis Community High School. My hobbies are collecting the words to western songs, listening to the radio, writing letters and playing softball and basketball. Come on, Pen Pals, let's get acquainted! I will answer all letters.—Neva Sullivan, Route 4, Metropolis, Ill.



(Photo courtesy City of Seattle)

Another Way to Skin a Cat...

This spar arm carries 165-kv transmission line to make room for 230-kv line in rugged terrain: :: both Alcoa ACSR. Where terrain is difficult, there are usually "several ways to skin a cat" and easy-to-handle, lightweight Alcoa ACSR often proves the easiest—and the best.

Alcoa made the first ACSR (Aluminum Cable Steel Reinforced) :: did the research that made mile-long spans possible, developed installation methods that made

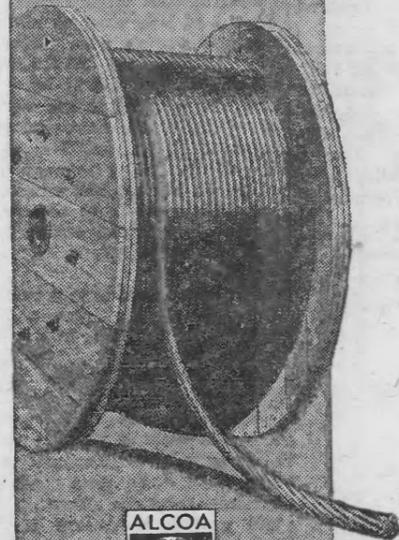
them practical.

Alcoa's storehouse of knowledge and 63 years' experience with aluminum and electricity is your assurance that you're dealing with those who can best help you solve your transmission line conductor problems.

Although the rearmament program prevents unrestricted use of aluminum, we are ready to help you with the planning required for power transmission projects;

TECHNICAL HELP—NO OBLIGATION

Write for help, advice or technical literature. Address: ALUMINUM COMPANY OF AMERICA, 2106J Gulf Bldg., Pittsburgh 19, Pennsylvania.



ALCOA

FIRST IN ALUMINUM

FIRST IN A.C.S.R

Aluminum Cable Steel Reinforced

LIKES TO SING

I am a girl 14 years old and my birthday is February 11. I have brown hair and light blue eyes, and I weigh 95 pounds. I am five feet, three inches tall. I live on a farm and my hobbies are singing, writing letters and making new friends. I would like to hear from boys and girls between the ages of 13 and 15.—Shirley Joann Franklin, R.R. 1, Wellington, Ill.

SEPTEMBER BIRTHDAY

I am five feet, two inches tall and I weigh about 92 pounds. I was born September 28, 1939. I go to Jones School and also to the Bible Chapel Church. I went to church every Sunday in 1950. I have one sister and two brothers.—Martha Henderson, R.R. 4, Box 51-A, Robinson, Ill.

BROTHERS IN 4-H

I am a boy six years old and my birthday is May 10. I have light brown hair and brown eyes. I have a brother, Stanley, at home and Farrel and Ruby Pearl who go to Hazel Dell School. I live on a 120 acre farm east of Sesser and my father works at the coal mine. I like the farm very much and I am with my brother all day as he drives the tractor on the farm. We have two horses, one mule, two cows and three heifers. My dad has six sows and Stanley has two sows and five pigs. My brothers belong to the Sunrise Champs 4-H Club. I will be glad when my sister and I are old enough to belong to the Club. My mother is writing for me.—Ralph Ray Galloway, R. 1, Sesser, Ill.

PLAYS THE PIANO

I am a girl 16 years old and my birthday is October 19. I have brown hair, blue eyes and I am five feet, four inches tall. I am a sophomore in high school. My hobbies are playing the piano, roller skating and all active sports. I have one brother 19 years old.—Mary Sue Walker, DeSoto, Ill.

ANOTHER CHEERLEADER

I am a girl 13 years old and I am five feet tall, have brown hair and brown eyes. I live in the country and I like all kinds of sports and hobbies. I go to school in Morrisonville and I am a cheerleader. I would like to hear from both boys and girls and I promise to answer all letters. Come on and let's get acquainted.—Dolores O'Brien, R.R. 1, Morrisonville, Ill.

MUSIC AND SINGING

I am 20 years old and my birthday is October 25. I am four feet, 10 inches tall and I weigh about 100 pounds. My eyes are hazel and I have medium brown natural curly hair. I love to read, write, cook and work in and outdoors. I also love music and singing. I love making new friends and would like girls and boys 20 and over to write to me.—Bernadine Albert, R.F.D. 2, Vandalia, Ill.

TWO PETS

I am a boy 12 years old and I am in the fifth grade. My birthday is July 31. I have four sisters and one brother. I have light blue eyes and brown hair. My hobbies are singing, dancing and riding my bicycle. We live on a farm and have two pets. One is a hen and the other, a dog. I would like to hear from girls and boys between 10 and 13.—Richard Lee Franklin, R.R. 1, Wellington, Ill.

LIKES PAINTING

I am a girl 10 years old and my birthday is July 1. I have a pet dog and two cats. I have two brothers and a sister-in-law. I live on a farm and ride on a bus to a city school. My hobbies are writing letters, painting pictures, drawing and helping my mom.—Audrey Darlene Klotz, R.R. 2, Box 6, Staunton, Ill.

GREEN EYES

I am a girl nine years old and my birthday is December 23. I have green eyes and brown hair and I am four feet, five inches tall and weigh 85 pounds. My hobbies are collecting movie star pictures and playing with my pet dog. I would like to hear from girls and boys about my age.—Glenda Marie Albert, R.R. 2, Vandalia, Ill.

RIDES PONY

I am a nine year old girl and I have black hair and grey eyes. I live on an 80 acre farm and I am in the fourth grade at Noble School. My hobbies are riding my bike and pony.—Patricia Huchel, R. 5, Olney, Ill.

HORSEBACK RIDING

I am a girl 14 years old and I have dark brown hair and blue eyes. I weigh 112 pounds and I am five feet, four inches tall. I live on a 200 acre farm and my hobbies are horseback riding, fishing, playing ball and driving a tractor. I have two horses of my own. I would like to hear from boys and girls between the ages of 13 and 18 years old.—Mary Lou Rule, R.R. 1, Noble, Ill.

HAS A HORSE

I am a girl 14 years old and my birthday is February 7. My hobby is horseback riding and I have a horse of my own named Dixie. I have light brown hair, gray eyes and I am five feet tall. I will answer all letters I receive from both boys and girls.—Katherine Mulvany, R.R. 1, Pawnee, Ill.

CHEERLEADER

My name is Sara and I am 12 years old. I have dark brown eyes and hair. I weigh 84 pounds and I am four feet, 10 inches tall. I am in the sixth grade. My father farms a 80-acre farm. I like to cheerlead and twirl a baton. I would like to hear from boys and girls between nine and 13.—Sara Ruth Hawkins, c/o George W. Hawkins, R.R. 1, Kansas, Ill.

NEW ZEALAND WRITER

I have received a copy of the Illinois Junior REA News page from a friend of mine in America and I would be very grateful if I could have some Pen Pals in America. I am 18 years old and my birthday is May 10. My hobbies are playing football and writing letters. I also like to bicycle ride.—Graeme McIntosh, Post Office Box 826, Telegraph Department, Dunedin, New Zealand.

JULY BIRTHDAY

I am 16 years old and my birthday was July 19. I have brown hair, grey eyes and a light complexion. I am five feet, three inches tall. I have three brothers and five sisters between the ages of one and 18. My hobbies are playing ball, and bicycle riding. I would like to hear from boys and girls between the ages of 14 and 18.—Fern Snell, Rockwood, Ill.

AN AUGUST BIRTHDAY

I am a girl 12 years old and my birthday is August 20. I have blue eyes and brown hair and I weigh 90 pounds. I am four feet, nine inches tall. My hobbies are collecting movie star pictures and writing. I would like to hear from girls and boys around my age.—Lila Beth Albert, R.R. 2, Vandalia, Ill.

LIKES TO DANCE

I'm 17 years old and I have dark brown hair and eyes. I am five feet, four inches tall and weigh 105 pounds. My hobbies are collecting little lamps and writing. My birthday is December 6. I like dancing and music. Beverly Moore, Berkeley R.R. 1, Perry, Iowa.

A DECEMBER BIRTHDAY

I am a boy 11 years old and my birthday is December 6. I have light brown hair and blue eyes and my hobbies are riding a bike and riding horses. I will answer all letters I receive from both boys and girls.—Melvin Louis Jeffonds, New Liberty, Ill.

A READER

My birthday is December 1 and I am 13 years old. Do I have a twin? My hair is light brown and my eyes are blue. My hobbies are listening to the radio and reading. I have two brothers, Melvin and Aubrey. I will answer every letter I receive.—Bernice Jeffonds, New Liberty, Ill.

FOURTH GRADER

I play the piano. I am in the fourth grade and there are nine in my grade counting me. I am nine years old. My hobby is writing Pen Pals. I have a brother and three sisters, but I have no pets.—Cailene Freese, R. R. 1, Fowler, Ill.

PLAYS IN BAND

I am a girl 13 years old and I have light brown hair and blue eyes. My birthday is November 4. I have three brothers and no sisters. I go to Keysport Public School and play a clarinet in the Carlyle Junior Band. My hobbies are writing letters and all kinds of sports. I would like to hear from all boys and girls between the ages of 13 and 17.—Betty Kendall, R.R. 5, Box 67, Greenville, Ill.

HILLBILLY MUSIC

I am a girl 14 years old and I have dark brown hair and brown eyes. I am five feet, five inches tall and I weigh 113 pounds. I like to write poetry and listen to hillbilly music. My birthday is July 3. I would like to hear from boys and girls between the ages of 13 and 17. Libby Wolf, c/o Harvey Borum, R.R. 4, Marion, Ill.

A REDHEAD

I am a girl 12 years old and my birthday was August 23. I have red hair and green eyes and I am in the sixth grade. I have three brothers and no sisters. My hobbies are writing and collecting songs. I live on a farm and I like to ride my bicycle. I have a dog and a cat. I would like to hear from both boys and girls.—Charlotte JoAnn Knust, R.R. 4, Carbondale, Ill.

SQUARE DANCING

I am a girl 18 years of age and my birthday is July 16. I have light brown hair and blue eyes. My hobbies are writing letters, collecting pictures of pals, square dancing and playing the piano. I would like to hear from boys and girls between the ages of 16 and 20. Martha Chrestman, R.R. 1, Box 335, Tamm, Ill.

COOKING AND SEWING

My hobbies are riding a bicycle, listening to the radio, cooking and sewing and reading. I am 12 years old and my birthday is March 13. I weigh 95 pounds and I am about four feet, seven inches tall. I go to Wayside School and like all my subjects. I'd like to hear from girls and boys of all ages.—Lora Shelton, R.R. 1, Makandas, Ill.

4-H CLUB MEMBER

My birthday is April 2 and I am 11 years old. I have two sisters, Alice and Susie and one brother, David Paul, who is the youngest. I live on an 80 acre farm and go to Old Town School. My hobbies are horseback riding, playing the piano and driving the tractor. I have red hair and brown eyes and I have a pet cat named "Twinkle." I belong to the Blue Ribbon 4-H Club. I promise to answer all letters that I receive.—Carolyn Joyce McSparin, R. 1, Box 2, Stonefort, Ill.

AN AUGUST BIRTHDAY

I am 17 years of age and my birthday is August 22. I have brown hair and blue eyes, and I am five feet, seven inches tall. My hobbies are playing softball and baseball. I also enjoy all other sorts of sports. I go to Pinckneyville Community High School. I'd like to hear from boys and girls between 15 and 18.—Lucille Majewski, Route 2, Box 53, Pinckneyville, Ill.

PLAYS BASKETBALL

I am nine years old. My hobbies are fishing and riding my bicycle. I am in the fourth grade at Hazel Dell Grade School and I play softball and basketball. I'd like to hear from girls and boys between the ages of eight and 11 and I promise to answer all letters.—Larry Gene Jones, R. 3, Sesser, Ill.

UPPER FORD SCHOOL

I am a girl 13 years old and I am five feet, two inches tall. My hobby is reading and I go to Upper Ford School. I have two sisters and four brothers. I would like to hear from Pen Pals between 13 and 16 years old. My birthday is April 17.—Betty Childerson, R.R. 5, Carlyle, Ill.

Farming News Notes

RATES

The Federal Power Commission reports there is a steady downward trend in electricity bills throughout the nation. Of some 239 communities surveyed, 72 per cent have had decreases in electric bills. Only 13 per cent have had their rates increased and 15 per cent remain unchanged.

INCOME

If the American farmer does as well in the second half of the present year as he has in the first half, he should come out well ahead of 1950, says the U. of I. Bureau of Economic and Business Research.

For the first six months of this year, farm receipts from the sale of agricultural products amounted to \$13.2 billion, a 20 per cent increase over the \$11 billion of receipts for the first half of 1950. Almost all of the advance came from the sale of livestock and livestock products.

Though the increase is offset in part by a 13 per cent rise in the cost of goods and services purchased for farm use, it still leaves the farmer considerably better off than last year.

HOMES

Estimates from government sources indicate that 54 per cent of the more than 42,000,000 homes in the United States—or nearly 23,000,000—are more than 30-years-old.

COBS

The corncob may answer the need for lightweight, strong concrete for farm homes and buildings. Agricultural engineers are working on a method of substituting corncob pellets, of about three-eighths of an inch diameter for the coarse sand, which makes concrete so heavy.

No lightweight concrete, using the cobs, can yet be recommended for farm use. Type of concrete blocks to be made from them is yet to be determined and the question of moisture absorption is one yet to be solved.

FROM USDA

More than 8,600,000 children participated in the National School Lunch program during 1950-51. The total cost of the program for the school year was \$350-million, of which \$124-million was spent for food locally by participating schools under supervision of state departments of education.

Use of power along more than 1,100,000 miles of REA-financed lines jumped 25 per cent during the fiscal year 1951. The increase served again to emphasize one of REA's big problems—where the farmer electric cooperatives can get enough reasonably priced power to meet the demands of their users. The REA borrowers are now distributing twice as much power as in 1948 and three times as much as in 1947.

During the year, REA borrowers energized about 117,

farmer is feeding many more persons than he did at the turn of the century, clothing more of them, and providing increasing amounts of raw material for industry is attributed in large measure to the agricultural experiment stations.

Wisdom of selecting dairy herd sires is shown in the 1951 report of the Dairy Herd Improvement Association. By comparing the milk-and-butterfat production records of the daughters of proved sires averaged 405 pounds of butterfat; dams of daughters averaged 395 pounds. These averages are higher than the 359 pound average of all DHIA cows, and they are considerably higher than the 211 pound average for all cows milked in the U.S.

FROM U OF I

Farmers are advised to sit in the shade awhile and watch cattle graze to learn where they bloat and what feeds they're eating when they bloat. If we know more about cow psychology, we might cut down losses from bloat.

Heavy hogs (over 240 pounds) will probably sell for larger discounts than usual after mid-October compared with light-weights (under 220 pounds). All signs point toward larger supplies of fats and oils that compete with lard. Lower lard prices usually drag down live hog prices, especially for heavier hogs that always produce excessive amounts of lard.

Rates Below For CO-OP MEMBERS ONLY!

Tear Off and Mail Promptly USE THIS HANDY FORM PLEASE PRINT CAREFULLY

Grid for word count: 1-20

Figure out the proposition you want to make, whether it is something you want to buy, sell or swap.

Write the words in the spaces above. If you fill all the spaces that will be 20 words. Price for 20 words (or less) is \$1.00 for each time you want your ad run.

If your message takes more than 20 words, add 5 cents for each additional word. Remember each initial or group of figures count as one word. (Don't forget to count your name and address in the ad).

Perhaps you will want your proposition to appear in more than one issue. If so, just multiply the total by the number of issues you wish to order (a \$1.00 ad for three issues would be \$3.00).

Fill in your name and address below, attach correct amount for ad and mail to RURAL EXCHANGE, Illinois REA News, Box 1180, Springfield, Ill. Your ad will appear in the earliest issue possible.

Please publish above ad in RURAL EXCHANGE beginning with earliest possible issue. (Payment must accompany ad. If you send check or money order, make payable to Illinois REA News.)

YOUR NAME _____

YOUR ADDRESS _____

REA Co-op Member? _____ (Note: This Special Rate of 5 cents a word applies only to Illinois REA co-op members and their families. Non-REA co-op members rate, 10 cents a word. See information on Regular Rates.

Tear Off and Mail Promptly

RURAL EXCHANGE

Reaching Over 375,000 Rural People Each Month

● Auctioneers

COLCHESTER SALES Association, Colchester, Illinois. Western Illinois Largest Livestock Auction. We specialize in handling good quality feeder cattle. Sale every Friday. J. Hughey Martin, owner and auctioneer.

● Auto, Truck & Equipment

1952 EDITION. It's New! It's Different! Get world's largest Auto Accessory & Parts Catalog and save money. 100 pages. Over 50,000 items, including Hollywood Accessories, hi-speed equipment, rebuilt engines, all parts and accessories for all cars and trucks. We have that hard-to-get part! Jam-packed with bargains. Completely illustrated. Send 25c (refundable). J. C. Whitney, 1919-DR Archer, Chicago 16.

FOR SALE—Truck beds built to specifications. St. Paul hydraulic hoists sold, mounted and serviced. Special built heavy equipment trailers. Tilting platform implement trailers. Propane tank trailers. Keith Jackson Machine Shop, Rensselaer, Ind. (Ph. Francesville 95-F-12).

COUNTRY FOLKS! Attention! New Automobile and truck radiators at factory prices. Write make and year. Automotive, Box 217, Unionville, Conn.

● Buyers

ATTENTION CREAM Producers. Ship us your cream. 56 years honest, dependable service. Galva Creamery, Galva, Illinois.

WATCHES WANTED. Any condition. Diamonds, broken jewelry, spectacles, dental gold, diamonds, silver. Cash sent promptly. Mail articles or write for free shipping container. Lowe's, 2 Holland Bldg., St. Louis 1, Missouri.

● Farms, Real Estate

FOR SALE, rent. Thirty large size farm bargains \$40.00 to \$80.00 acre. Ten Golconda houses. Two business bricks. Half cash. Thomas Cullum, owner, Golconda, Illinois.

IMPROVED 80-ACRE Farm. Half tillable. Very good stock and grain farm. Priced at bargain. Ten miles north of Rushville, Ill. Floyd Ford, owner, R.R. 1, Ray, Illinois.

BUILDING FOR SALE—32x26x12 1/2. Good lumber. Alfred Heien, Farmersville, Ill.

● COWGILLS SELL FARMS

Call, Write, or Visit
COWGILL LAND & LOAN CO.
North Missouri Farm Bargain Hdq.
Milan, Missouri

COME TO beautiful, healthy, fertile Ozarks for cheap homes and lands. For free lists and literature, write, Barnsley, Clarksville, Arkansas.

SIX ROOM modern home furnished or unfurnished. Two good kennel houses in city limits near Chicago. Excellent boarding kennel location. Roy Henre, 1321 171st Place, Hammond, Indiana.

● Farm Machinery & Equipment

NEW W.D. Tractor, never used, priced to sell. Clarence Acker, Middleton, Wisconsin. Phone 2-5696.

GARDEN TRACTORS, \$127.00 complete. Sickle available. Universal Mfg. Co., 325 West Tenth St., Indianapolis, Ind.

FOR SALE—1949 M-Tractor, 1937 F-20, with 2-row power lift cultivator, \$600. 1935 F-20, with new sleeves, mains, crankshaft, \$550. Reg. 20 with new radiator, throttling governor \$225. Oliver 70 with six speeds and 2-row power cultivator \$750. These tractors have good rubber, overhauled, new paint, and guaranteed. Pickers: 1-1948 No. 24, \$550. 1949 No. 24, \$750. New Idea 2-row, \$175. Case 2-row, rubber, \$250. Late model Oliver, 2-row, rubber, \$650. John Deere, 1-row semi-mounted, rubber, \$400. G. I. 1-row, almost new, \$375. Servel Kerosene Refrigerator, 10 cu. ft., almost new, \$150. Servel Gas Refrigerator, 8 cu. ft., \$75.00. Will deliver. Becker Sales and Service, Mason City, Ill. Tel. 306-M.

FOR SALE—1949 Model Wood Bros. corn picker. Shucker type. Only picked 50 acres. Bun shedded. Like new. Howard Davidson, R. 2, Anna, Ill.

WANTED—Wood silo or good used Korok silo. Give condition and price. Ed Kallal, Chesterfield, Illinois.

POSTHOLE DIGGER—the modern "Rapidigger" for Ford, Ferguson tractors. Guaranteed performer. Information write: Rapidiggers, 2433 11th Ave. So., Minneapolis, Minn.

BOOMS WAGON unloader. Inexpensive, easily attached to your present wagons. Unloads 5 tons in seven to fourteen minutes. Write today. Booms Silo Co., Harbor Beach, Michigan.

● Flowers, Bulbs

CHOICE \$1.25 POSTPAID, 3 peonies, 3 oriental poppies, 8 large iris, 5 daylilies, each different. El Encanto Perennial Gardens, South Haven, Michigan.

THESE FLOWERS will live good any time. 20 violets assorted colors, yellow, white and purple. Only \$1.00 postpaid. Order today from Savage Farm Nursery, Route 2, McMinnville, Tennessee.

FREE RESURRECTION plant for promptness. Seven beautiful, all different flowering cactus plants for a dollar, postpaid. Aunt Reddy, Edinburg, Texas.

CHOICE DELPHINIUMS — primroses, world's finest — new colors of enormous sizes. Illustr. plant-seed catalog free. Offerman Delphinium Gardens, Seattle 6, Washington.

● Livestock

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