

# ILLINOIS *REA* NEWS

The Voice of 118,000 Members

November

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★ ★ ★



## 97.2% of Farms In Illinois Electrify

Over 5,000,000 American farms now have central station electric service, according to a report by the Rural Electrification Administration. Of this total, there are 198,520 Illinois farms which REA estimates as being 97.2 per cent. REA said that the national total is an increase of 3,200,000 since 1940. There are still over 800,000 farms in the Nation without electric power.

REA estimated that of this total of electrified farms, 59 per cent were being served by REA-financed cooperatives and other borrowers. Of the remaining 41 per cent, REA said that a great majority of them were served because of co-op competition. The survey does not include hundreds of thousands of non-farm rural dwellings.

## Water, Water Everywhere And Not A Drop To Pump!

**T**OMMY STANDFORD, like most other four-year-old youngsters, may have his doubts as to the advantages of a bathroom and a water system on his folks' farm.

He doesn't look too happy about having to wash-up, but, he might agree that doing so with hot and cold running water available at the turn of a faucet, has it all over the Saturday night "tubbing" in the kitchen which was a ritual when his Mom and Dad were youngsters on the farm.

And, Tommy will never remember having to lug water from the well in heavy buckets for that "tubbing" or breaking the crust of ice on the water basin as a winter morning prelude to getting washed.

Even in this day and age, however, Tommy can be counted as a lucky youngster, since most of farm children throughout the state and nation,

still don't have the advantages of modern water systems.

Thanks to the great expansion of rural electric lines, like those of the Clay Electric Cooperative, which furnish electricity to the Standford home near Flora, thousands upon thousands of farm families will be able to enjoy the benefits of running water.

Besides the convenience and elimination of back-breaking drudgery, running water means increased profits for the farmer. For example, hogs add 12 per cent more flesh on the same feed and in the same length of time if they get all the fresh water they want. Yields from vegetable gardens increase as much as 50 per cent.

In a dollar and cents comparison, water systems prove to be a valuable investment. For only one cent, a one-third horse power water system will pump as much as hand labor in four hours.

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**Editorial Page**

# ILLINOIS REA NEWS

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## Whose Prerogative?

AS IT has been said before in these editorial columns, local, home-controlled management has been one of the principal factors in the success of rural electric cooperatives. It kept red-tape to a minimum and progress of rural electrification at a maximum. Moreover, it provided incentive in that it allowed local people to furnish a tremendously worthwhile service to themselves at no cost to anyone except themselves.

This was the idea on which REA was founded. It was established merely as a lending agency which would loan money to farmers, who, in turn, would build their own electric systems. Had it been otherwise with the government directly owning, controlling and building the systems, it is unlikely that the rural electrification program would have progressed to the point where it is today, or that it would enjoy the respect and non-partisan support that it does.

Quite appropriately, REA must make sure that the cooperatives repay the government money. It serves as mortgagee. And like any mortgagee, it has the right and duty to insist that cooperatives conduct their business affairs properly and efficiently.

The cooperatives understand REA's responsibilities as mortgagee, but the recent enunciation by REA of wage and labor policies affecting construction work done by co-op employees, raises the question as to whom this prerogative belongs, the borrower or the lender?

## Be Sure To Vote

A SPEAKER at a recent co-op annual meeting made the statement that the most serious threat to democracy was not communism, but, instead the apathy and indifference of Americans toward their responsibilities as citizens.

Voting is one of these responsibilities. The person who doesn't discharge this duty is, in effect, demonstrating that he doesn't care to have a voice in his government.

True, our type of government has countless imperfections, but still the people enjoy more rights and freedom than is enjoyed by the citizens of most nations.

Voting will improve our system of government. Not voting will weaken it and eventually destroy it. Too many incompetent individuals have slid into positions of government authority, by default of a few thousand citizens who stayed away from the polls.

How to vote is your business. But make sure that you do vote this election day.



## Allen Reporting . . . by Robert S. Allen

There is now no chance that the long-needed full-scale investigation of the power trust will be made this year.

But Chairman Frank Buchanan (Penn.) of the House Lobby Committee plans to give the public a glimpse into how some of the great utilities spend the money they take from their customers to influence federal and state legislation.

The sensational revelations are contained in a 520-page report soon to be issued by the Committee.

Titled "Expenditures by Corporations To Influence Legislation," the document is filled with detailed facts and figures on the lobby operations of 179 corporations, a large number of them utilities. This is one publication that everyone should read. It is a public document and can be had

by writing your congressman or the Lobby Committee.

### Will Reveal Ties

Particularly significant, the report will reveal for the first time the close secret ties between the utilities and various other big pressure groups.

Brought out into the open is the fact that large sums of utility money are being poured into the lobby tills of:

The Committee for Constitutional Government, headed by Dr. Edward Rumely, recently cited for contempt by Congress.

The Constitutional Education League, whose leader, Joseph Kamp, is now in prison.

The Foundation of Economic Education, headed by ultra-reactionary Daniel Read.

The American Enterprise Association and America's Future, Inc.

### ARTICLE USEFUL

Will you please be so kind as to furnish me with a copy of the August issue of the Illinois REA News. I have found the article pertaining to gas versus electric heat a very useful item to use for fighting gas competition and have worn out the original copy of the August issue.

H. D. Heath  
 District Manager  
 Illinois Power Company

DuQuoin

### CONGRATULATES

The article on the subject of electrically dehorning calves, which appeared in the October, 1950 issue of the Illinois REA News, was noted with interest. . . . I want to congratulate you on the excellent articles on new electric applications appearing in the Illinois REA News from time to time. . . .

R. D. McMichael  
 District Farm Specialist  
 General Electric Co.

Chicago

### OBJECTS

During these times of false war scares and trumped-up scarcities it is deplorable that you have also loaned yourself to further it along.

I note that your front page of the current issue contains a box in which you proclaim the shortage of newsprint and state that owing to that scarcity you are compelled to omit certain features.

In view of this statement it is noticeable that you could devote the entire inside cover page to Democratic propaganda, extolling "the man from Havana" and endeavoring to further the campaigns of other

nincompoops from this state who infest our Congress.

From the outward appearance it looks as though no shortage of paper, or anything else, will be allowed to stand in the way of trying to perpetuate the rotten crowd that has been heading the nation for the past 20 years.

It is apparent that some people will go to any length to keep the bunch on the public payroll who will vote the largest pork barrels and highest taxes.

I am referring specifically to the "man from Havana" whose virtues (?) you seem to extoll.

James R. Watson

Ottawa

### 'FINEST'

I want to compliment the Illinois REA News for its article in the August, 1950, issue on "Electricity is more efficient." It is the finest article I have read concerning the mounting problem of LP gas.

. . . . I have carried from time to time in our monthly paper "Co-op Lighter" articles showing efficiency of electricity vs LP gas by figures but have had nothing to show the inefficiency of LP gas.

Are there mats or plates available showing the three reasons why? If there are, I would like very much to have them. Also may I use parts or all of the article changing only the price per kilowatt to fit our rate schedule? Of course it will be credited to your paper.

. . . . We may make a special mailing of this to our members.

Harold Darst  
 Assistant Manager  
 Pioneer Rural Electric Co-op  
 Piqua, Ohio



### National News Roundup

## REA Tells Of Wage, Labor Policies Affecting Co-ops

In an administrative bulletin, the Rural Electrification Administration announced that it will require borrowers—95 per cent of them electric cooperative organizations—to pay “prevailing wages in the particular area” as minimum wages for construction work.

Procedures were set up in the bulletin delegating authority to the Engineering, Power and Management Divisions of REA to obtain prevailing wage scales from the Department of Labor, and requiring borrowers to notify contractors bidding on REA-financed work that they must pay those wages. The policy extends to “force account” construction by cooperative members themselves.

Since the bulletin was issued at the time of regional meetings of rural electric cooperatives throughout the nation, cooperative leaders have been discussing the wage policy and in some regions have designated representatives to assist NRECA in con-

ferring with the Labor Department to seek determination of prevailing wages in precise areas of rural electric systems.

Wage scales set by the Labor Department have generally been determined by those paid in large cities, rather than in small towns and predominantly rural areas where REA-financed systems operate.

#### Committee Statement

On October 12, a committee of co-op leaders headed by Clyde T. Ellis, executive manager of the National Rural Electric Cooperative Association, issued a statement declaring that, since “under REA’s labor policy the matter of system salaries is strictly a local responsibility,” REA should revise the administrative bulletin to eliminate its force account provisions.

The committee also stated that “inasmuch as the Rural Electrification Act defines rural areas, REA should advise the Department of La-

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## Missouri Power Companies Try To Stop Two Generating Co-ops

Ten Missouri electric power companies were accused last month of “using the Federal courts as a sounding board for their propaganda in a suit through which they are attempting to go over the heads of Congress on an issue on which the Senate gave them a special hearing last March.”

The charge was made by the National Rural Electric Cooperative Association, a service organization representing almost 3,000,000 rural consumers, after the power companies entered a suit against three U. S. Cabinet officers and two government administrators.

The Missouri companies entered a plea in the U. S. District Court in Washington, D. C., asking an injunction to stop advancement of government loans for the construction of two rural electric co-operatives generating plants and transmission lines in Missouri.

#### Defendants

Defendants named in the suit were Secretary of the Treasurer Snyder, Secretary of the Interior Chapman, Secretary of Agriculture Brannan,

REA Administrator Wickard and SPA Administrator Wright.

A special hearing on the loans for these plants was granted commercial electric companies of the Southwest last March by a joint committee of the Senate Appropriations Agriculture and Interior sub-committees.

The electric companies objected to the loans for the generating plants on the grounds that the plants would be integrated with the electric lines of the Southwestern Power Administration, an agency charged with the sale of government-generated power in the area.

They insisted that this plan, under which an interchange of power would be made between the electric cooperatives and SPA, for the benefit of both parties, was actually a “deal” made by SPA to acquire transmission lines and the use of generating plants contrary to the will of Congress.

Rural electric leaders in a subsequent hearing presented evidence of a power shortage in the area and

(Continued on Page Nine)

## REA Loan Funds Cut \$85 Million; Administrative Budget, \$128,250

Although REA will still have \$312-million in electrification loan funds and \$35-million in telephone loan funds during the current fiscal year ending June 30, 1951, its administrative funds for the same period, already inadequate for processing loans, were cut further by \$128,250 in the latest Budget Bureau action. Effect of the tightened administrative fund bottleneck will be to slow down loans to rural electric systems.

While the overall cut in REA funds amounted to approximately \$85 million, the Bureau of Reclamation and power marketing agencies of the Department of Interior took a

\$56-million cut and the Army Engineers, \$51-million. Neither of these cuts materially affect the construction of public power projects.

However, funds for construction of facilities to carry government-generated power to points where rural electric systems can buy it wholesale, were put in “reserve” in several instances.

Spokesmen for the Interior power marketing agencies affected by this action, interpreted “reserve” to mean that the funds will be held back unless it can be shown that immediate need exists for them.



“SAVES A HIRED hand a lot of work,” Asa Havener declared as he discussed the advantages of the portable electric grain elevator he is pictured using. Power for this elevator is supplied by the Shelby Electric Cooperative of Shelbyville.

Havener, hired hand on Lemar Pope’s farm southeast of Taylorville, said that he can unload 110 bushels of oats in 12 minutes with the electric elevator, “without a lot of unnecessary shoveling and work.”

The farm worker said that “we

used to have a gas driven elevator, but this electric elevator has it all over the gas one.” He said that it is handier to haul around to different jobs, and that with electricity you don’t have to worry about fuel, and you don’t have to crank it.

Cost of operation? “Haven’t figured it,” Havener said, “but we use the elevator quite frequently on this farm, and I have noticed that in the months that it is used the most, our electric bill has only increased a couple of dollars. At any cost, it is still cheap to operate,” he declared.

## Co-ops Again Facing Prospects Of Increased Costs, Shortages

Despite the efforts of the Rural Electrification Administration to hold the line on costs, manufacturers and suppliers are refusing to offer materials for sale except under conditions which allow them to fluctuate prices day by day.

Since the fighting broke out in Korea, prices of materials have been on an upward climb, in addition to being harder to obtain.

Producers of aluminum, a highly important metal in line building, are now unable to quote firm future prices or promise on-time deliveries. This is partly due to the shortage of steel core which is required to make aluminum wire.

During the last war, many rural electric systems stopped dealing through contractors for materials purchasing them directly because of the same price and delivery difficulties.

#### Names Ellis

Secretary of Interior Chapman has named an Electric Utility Defense Advisory Council to speak for the power industry in carrying out his authority under the Defense Production Act of 1950. Chapman was designated by the President to exercise emergency controls over electric power, minerals and petroleum under the Act.

Chapman’s invitation to Clyde T. Ellis, executive manager for the National Rural Electric Cooperative Association, to serve on the Advis-

ory Council, was the first time the U. S. government has recognized the right of the nation’s 1,000 REA-financed rural electric systems to be represented in such industry groups. Ellis immediately accepted the Chapman bid.

Almost all of the members of the Council represent commercial power corporations, with only a scattering of representatives of Federal power agencies and municipal and public power groups.

#### Oppose Falck

At regional meetings of rural electric cooperative leaders throughout the nation, repeated demands have been made in resolutions that Edward Falck, director of Energy and Utilities for the National Security Resources Board, be replaced.

The basis for the attitude of co-op leaders is his testimony against the building of a cooperative generating plant in Virginia recently.

## Governor Speaks At Safety Conference

Representatives from 35 states and the District of Columbia attended a five-day National Rural Electrification Job Training and Safety Conference, October 23-27, in Springfield.

Governor Adlai Stevenson of Illinois gave a welcome address at the opening session in which he lauded

(Continued on Page Fifteen)



THERE'S MORE than luck involved in producing high yields of top quality, as Bert Bonwell, current "Illinois Corn King" can testify. He combines research and study with hard work to get the best results. The champion's cup, and three ears of the crop that won it for him, are shown in the foreground.

# Meet the Corn King of Illinois

## *Bert Bonwell Says He Wasn't Trying to Win Title--Just Wanted To Grow A Good Crop*

**B**ERT BONWELL is a scientific farmer, that is, he studies his land; knows its fertility and crop history; keeps records of its yields and costs; and operates his farm as a business, complete with office desk and filing cabinets.

And so successful a business venture has his scientific farming become that his 1949 corn crop earned him the title of "Corn King of Illinois". Bonwell reigns as king of the corn growers in Illinois until the results of this year's corn crops are computed which will be sometime next year.

"I just wanted to grow a good crop of corn," he said. "I wasn't even trying to win the title."

### Fine Points

Explaining some of the fine points considered in winning the contest, Bonwell said his yield of 133 bushels an acre for a 10-acre plot was not the highest in the state, but when combined with other factors such as quality and cost, it gave him the state's highest score.

The reason Bonwell said that he didn't try to win the title was that in the past years he might have been placing "too much importance on quality without watching costs closely enough."

### Factors Involved

"If my quality went up," he said, "my costs did too. And as a result the cost factor, which counts for 40 per cent in figuring the final score, would ruin my chances." In computing the scores, yield counts the same percentage as cost, while quality counts only half as much as yield or cost.

And though he tries to give the impression that the honor came easy, that is not the case. A study of scientific farming methods, (his office is literally covered with farm publications); seven years of growing high caliber corn; and an extensive farming experience plus the willingness to experiment helped him to win the title.

Bonwell lives north of Scotland near the Illinois-Indiana border. He farms over 800 acres,

80 of which "I have farmed for almost 20 years out of my 40 years," he remarked proudly.

### How He Started

The Illinois corn king said that he got started in scientific farming about seven years ago when the local high school agricultural teacher approached him with the idea of increasing his crop yield through soil treatment methods.

Figuring "I couldn't lose by trying and also that a fellow has to experiment if he wants to get ahead, I went along with his idea," Bert said.

On 20 acres, which had been producing around 60 to 70 bushels of corn a year, "and considered good at that time too," a fertilizer mixture of three parts nitrogen, 12 parts potash, 12 parts phosphate, and the remaining per cent, lime, was spread.

"At the time nobody fertilized around here," Bonwell pointed out, "and we had a hard time convincing the feed men that we needed and wanted fertilizer. They thought we didn't know what we were doing."

### Success

But when the yield for the field jumped to 125 bushels per acre the next year, Bonwell declared, "you couldn't find any fertilizer to buy. Everyone was using it. And the owner of this 20-acre field, that couldn't previously be sold for \$100 per acre, now had plenty of offers of \$125 per acre for it," he said, then added, "but he took it off of the market."

However, Bonwell doesn't believe that fertilizers can do the whole job of increasing crop production. He said that a farmer can be "fertilizer crazy" and still not increase his production. "I believe that a good pasture improvement program is better than all the commercial fertilizers on sale now," he declared.

"Just give me 60 acres planted in a sweet clover, oats and corn rotation and I can beat any production made by having a corn and bean

rotation," he said. "In order to produce you have to have a balanced fertilizer. A clover crop will balance itself," he remarked. "It just goes to show that nature is still the best scientist."

### Gives Credit

Still—what made him Illinois' corn king last year? Well according to Bonwell some of the credit should go to the late William E. Jump and his son, Forrest, who as former owners of his acreage, helped prepare the land for his winning crop.

"For many years, 40 in all, I guess they fed cattle on this land," Bert said as he gazed across the road toward his corn. "Such preparation made the blue grass pasture land nearly perfect."

Bonwell also gives credit to two of his farm hands, Delbert Sykes and Floyd Helt. "They did most of the work," he quickly pointed out. Bonwell's son Edward, also, received credit. Said his father, "he contributed materially to the success of the project."

### Electricity Helps Too

And last but far from least among the contributors to the corn project, which Bonwell said helped him win the title, is the electric service furnished by the Edgar Electric Cooperative of Paris.

"By providing the farmer with a comfortable living, electricity makes him feel better and this in turn enables him to farm better and grow better crops," Bonwell explained. "Electricity helps farmers to do the work faster."

When asked about 1950's corn king title, Bonwell remarked proudly that "I'm out to win it. And someday I am going to produce 200 bushels of corn an acre," he added. "It can be done, I know."

# Electricity Is SAFER!



**E**LECTRICITY IS safer than bottled gas for cooking, water heating and refrigeration, the three principal fields of competition between the two fuels. This is a fact that the bottled gas industry cannot deny.

The importance of safety to the farm family should be of greater concern than to the urban family, since emergency services are not as readily available in the country.

Of course, if the cost of operation, for instance, of bottled gas compared to an electric range, was significantly cheaper, the farm family might feel justified in disregarding the advantages of safety which the electric stove offers. But, as was shown quite conclusively in the first article in this series (Electricity Is More Efficient, Illinois REA News, August, 1950), electricity is less expensive than gas.

Therefore, co-op members can hardly afford to ignore the safety factor when it comes to the selection of an appliance.

#### Purpose

Nearly everyone has read about bottled gas explosions and fires which have destroyed farm homes and, often, have taken lives. It is not the purpose of this discussion, however, to frighten anyone into believing that bottled gas is dangerous. The purpose is only to demonstrate that electricity is safer.

How much safer is electricity? The reader may wonder. That depends mainly on how well the appliance was installed and the care with which it is used.

Neither the gas nor electric equipment presents any significant basis for a safety comparison since both types conform to the standards of the National Board of Safety Underwriters.

#### Electric Is Safer

But it is quite obvious that though both the gas and electric ranges are installed properly, the electric will be the safer. There is no possibility of asphyxiation from a burner that has been left on unintentionally. Nor is there any chance of an explosion or fire. Electricity needs no matches, and it is not affected by drafts or food spillage. In short, electric cookery is the safest method known, a statement which the bottled gas industry could hardly make.

Although, the co-op member may not be fully aware of it, the matter of installation is of prime importance in analyzing the relative safeness of gas and electric appliances. Both types would be hazardous if they were not hooked-up correctly.

Here then is a tremendously significant advantage that the co-op member, who buys an electric range, has over the purchaser of a gas

stove. The former does not have to assume that the installer has done his work expertly since, for a small fee, the co-op member may make certain that his electric range meets all requirements by having his co-op wiring inspector check the job.

#### Not The Case

Such is not the case with the bottled-gas range owner. He must take a chance that the installation has been made safely. There is no impartial expert to inspect and pass on the work. Only where installations involve 1,200 gallons of bottled gas or more does the state fire marshal make an inspection.

With hundreds of dealers selling and installing gas equipment with practically no regulation of their work, it is the customer who takes the risk that his stove has been installed expertly and that there have been no shortcuts to save a few dollars in time or material. Because of the large number of dealers, many of whom have entered the business only recently, there is bound to be carelessness.

Extra care must be exerted by the installer of a gas range to make sure there is no leakage of bottled gas because the leakage of even a small amount makes for a hazardous condition.

#### Bottled Gas Differs

Unlike, manufactured or natural gases, which

are used in cities, bottled gas is quite different. It is heavier than air and burns with a much greater intensity than its "city cousins." Thus it sinks to floor level instead of rising to the ceiling and being readily conveyed out of a building by air currents, like natural and manufactured gases which are lighter than air.

Even though windows may be opened, bottled gas that has leaked from a fitting or a burner, may remain in a room for a considerable length of time. It may settle in a corner or in a low place. There is little chance for this heavy gas to escape from a room until it has become thoroughly mixed with air by the slow process of diffusion. Thus the danger of asphyxiation, fire, or explosion, may be present for quite a time after a leakage has occurred.

The great intensity of bottled gas and the fact that floor level fires are usually more dangerous than those in the upper part of a room—there is the added hazard of clothing catching on fire—makes the matter of installation highly significant as a safety precaution in using bottled gas.

#### Must Be Alert

If the user understands the characteristics of bottled gas, he must always be on the alert against a leakage for he realizes that the escape of a small amount is often more hazardous than a large amount.

Moreover, burners on a gas range must be extremely accurately adjusted to eliminate the hazards of noxious gases being formed. Also, because bottled gas burns with a short, intense flame, it is easily blown out by gusts of air. Liquids boiling over, may extinguish the flame. And where there are young children in the home, particular care must be taken to see that they don't turn on a burner.

Contrast this with the electric range user. She may go about her chores inside or outside of the house with her electric range in operation. She knows that a gust of air through a kitchen window will not blow out the flameless electric heat, nor will food spillage cause any danger. And, she need not worry about a youngster turning on a burner, since no damage would result.

That electricity is a safer fuel than bottled gas for the member of a rural electric cooperative to use, should be apparent. And the safety factor should receive careful consideration by a co-op family when it is deciding which kind of an appliance to buy.

### EDITOR'S NOTE

This is the second article in the series comparing bottled gas and electric appliances. The first appeared in the August, Illinois REA News and discussed the matter of efficiency.

The third and final article will take up the question of dependability or continuity of co-op electric service, which is another significant fact that rural families consider when deciding on what kind of appliance to purchase. This final article will appear in an early issue. Be sure to look for it.

This series was motivated by the desire on the part of your statewide publication, the Illinois REA News, to give co-op members reliable information concerning electric ranges, since it has found that bottled gas dealers, either through lack of knowledge or purposely to promote sales, often misrepresent the facts about electric appliances regarding comparative costs, efficiency, co-op rates and service, etc.

# Are You Using All the Power You Pay For?

If Wiring Is Inadequate, Appliances Consume More Electricity Than Necessary—And Waste Your Money!

**A** FARMER who continues to run water into a leaking stock tank would not be considered very business-like. Yet, in nine out of 10 American homes, something very similar is happening in the use of electricity. This is because the leakage of electric current is much harder to see.

The chief cause of this current loss is what the electricians call "voltage drop." Overloaded circuits are causing expensive home appliances and other necessary farm equipment to be less efficient in operation. As a result, their economy of operation is also affected.

All of which adds up to the fact that your electrical system may be costing you more than it should.

Studies show that as much as 30 per cent of your monthly electric bill may represent current loss on your farm. This loss is due to inadequate wiring.

## Simple Checks

If your farm was wired some years ago, chances are very good that your home and other buildings are inadequately wired. These structures were probably wired for lighting and for the use of small appliances only. Who could visualize the increased demands for electrical usage?

Here are a few simple checks which may tell if your wiring is insufficient:

Are fuses blowing out too often?

Are circuit breakers tripping too readily?

Do irons or toasters heat too slowly?

Do lights blink for no apparent reason?

Do motors start slowly?

If these things occur, begin at once to check the wiring on your place. Your farmstead may have inadequate and insufficient wiring.

How serious is this voltage drop?

A voltage drop of 10 per cent or more is common in many farm homes. In terms of efficiency and economy, such a voltage loss means that a toaster plugged into a wiring system having a 10 per cent fadeout takes 31.5 per cent more time to brown a piece of bread and consumes 28 per cent more current to reach the cooking temperature.

## Light Loss

One authority has pointed out



**FARM ELECTRIFICATION** expert, Frank Andrews of the University of Illinois, holds up an "electrical octopus"—a sure sign of inadequate wiring. Do you have an "octopus" in your home? If so, you need extra circuits to get your money's worth from the electricity you buy.

greater. Many new homes and nearly all farm building installations are using the heavier wire. The total number of watts loaded on any circuit can be obtained by finding wattage rating of all the lamps and other items on the circuit and totaling them.

It is good practice never to have over 12 outlets on any circuit. For each room in the house it is better to provide two circuits; one for the lights and the other for receptacle outlets. Basements, kitchens, and utility rooms should by all means have extra circuits.

Adequate wiring for farm buildings becomes a special problem for each structure. In general, the buildings should have their own circuits with adequate lighting and sufficient convenience outlets to provide for equipment to be used in them. Both in the house and in the farm buildings there should be no need for excessive use of extension cords. Electrical appliance manufacturers provide enough cord. Adding extensions is a good way to lower equipment performance.

## Provides For Future

Adequate farm wiring not only takes care of present demands for current, but also provides for future expansion. While the future needs cannot be exactly predicted, a reasonable margin can be provided for added usage of current, which will not overload the wiring. It is a safe bet that your needs for electricity in the future will increase rather than decrease.

Money spent on adequate wiring is a good investment. First, it assures more efficient service from expensive equipment and, second, it brings real savings in the money spent for electrical energy. Efficiency and economy are among the most valuable advantages of adequate wiring.

that a lamp loses 34 per cent of its brilliance when there is a voltage drop of 10 per cent. When this is the case, a 100-watt lamp would have to be re-rated as performing at the level of a 60-watt lamp.

While on individual appliances and lights the loss is small, the total cumulative effect on your light bill is great. Speaking in terms of "dollars and cents", a nine-dollar monthly electric bill in which approximately one-third of the current delivered to your premises is wasted, actually represents only six dollars of fully utilized current. Three dollars of the bill must be charged off to inadequate electrical circuits.

The meter hanging on the pole where the current enters your farm accurately measures the current delivered to you. It does not measure the amount of current that is inefficiently used. It is your business to see that you are getting one hundred cents worth of electricity out of every dollar's worth you buy!

## Money Wasted

When the current loss is figured out on a long-time basis and on

higher than nine-dollar a month bills, the money wasted soon begins to mount up. No economy-minded farm operator should let such a condition continue on his premises.

Of course the adding of additional circuits will cost money. Yet, this cost may be recovered in one or two year's time. An added circuit continues to give service for many years in the future. During its use, appliances and other equipment are rendering the service for which they were originally rated.

An ordinary-sized farm house will need a minimum of four circuits. The number of circuits can be calculated by several methods. One method is by computing the total number of square feet to be serviced and then adding an additional 1500-watt factor to take care of ordinary household appliances. A figure of two watts per square foot to be allowed only for lighting is frequently used.

## Limit Outlets

The national electrical code permits up to 1500-watts load for each circuit of number 14 wire. If number 12 wire is used the load can be

# Get more out of your electricity Get *Kelvinator!*

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12 CU. FT.  
KELVINATOR  
REFRIGERATOR**

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**12 cu. ft. Kelvinator Freezer—Only \$379.95\*** Freeze and store 450 lbs. of food . . . right in your own home with this beautiful Kelvinator Freezer! Save trips to store and locker plant! Get Kelvinator features that mean greater safety . . . long-term economy. Get safe 4-wall cold with extra cold coils in separate freezing section . . . heavy Fiberglas insulation . . . table-top lid with lock . . . and Kelvinator's dependable Polarsphere cold-maker!



**Kelvinator "Automatic Cook" Electric Range—Only \$319.95\*** Put "harvest hand" meals in the big, 2-element oven . . . set the "Automatic Cook" control . . . and forget the meal until it's time to serve! Get such de luxe features as "Up-Down" Unit that's a Scotch Kettle when down . . . a 4th 7-heat surface unit when up. Get a radiant-heat broiler . . . the new, super-fast "Rocket" Unit . . . a handy Minute-Timer . . . other extra-values galore!



**Automatic Electric Water Heaters**—There's nothing like *electric* water heating . . . and nothing like a Kelvinator Electric Water Heater. Besides being automatic, *safe*, clean, cool and dependable, a Kelvinator brings you superior insulation, superior heating elements, built-in heat trap, a cold-water baffle—features that add up to longer life, better performance, greater economy. Choose from wide range of models . . . round or table-top!

\*Suggested prices are for delivery in your home, State and local taxes extra. Prices and specifications subject to change without notice.

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*Get more—Get* **Kelvinator**  
★ SEE YOUR NEAREST KELVINATOR DEALER ★

# Farm Operates On Time Clock Work Basis

**M**ODERNIZED farming is the goal set by Edward Sumner Jr., who manages the 2,700-acre A. T. Sumner farm near Milford. Great grandson of Jesse Sumner, founder of the Sumner estate, which formerly comprised 23,000 acres, Edward manages the grain farm as if it were an industrial production plant.

The farm is operated on a time clock work basis. The tenant-farmers work by the hour and receive their pay accordingly. And if they work overtime, or on Sundays, they receive additional pay. Also, numbered among the farm employees are men skilled in electricity, carpentry and plumbing, who do the maintenance work on the farm.

Each farm is operated as an individual unit with the records on it kept as such. Sumner acts as the coordinator of the entire acreage. Each farmer is responsible for the up-keep of his acreage. If a periodical soil test should show that some minerals have been taken out of the soil, the tenant would pay one-half of the cost of replacing these minerals.

## Encourages Tenant

Sumner said that this type of operation encourages the tenant to respect the soil as if it were his own. "And it enables us to maintain a



**COORDINATING** activities on a vast farm of 2,700 acres requires a lot of attention, Edward Sumner, manager of the A. T. Sumner farm said. Hence he installed radio-telephone in his car to help him.

higher yearly average without depleting the soil," he declared.

Another feature which Sumner pointed out about this farming op-

eration was that there were no written contracts between the tenants and the employer. "We work on a gentleman's agreement," he remarked. "Since most of the hired-hands have been with the family for years, we look upon our farm as a family affair. Everyone works for the other's welfare."

Working towards farm modernization includes home improvements too, Sumner said. And about the biggest improvement in the homes of the tenants besides electricity, which they all have, is running water.

## Share Cost

If a tenant desires to have a water system, Sumner said, we install it on a 50-50 cost basis. The tenant's 50 per cent is depreciated over a five-year period. If he should happen to move before this term is up, he is re-imbursed the percentage which remains. For example if he should move after the first year, he would be repaid four-fifths of his 50 per cent cost.

All work machinery is provided by the farm and consists of numerous implements for crop cultivation. In all there are 15 tractors and six combines, plus complete drainage equipment. Electric lines of Eastern Illinois Electric Cooperative connect most of the farms.

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

# Youthful Dairyman Netting \$500 A Month

**F**AR FROM being an old-timer at dairying, Chester Wyatt of Lomax is only 24-years-old. Yet he milks 35 purebred Guernseys and has plans to increase the milking herd to 60 cows. And he is making it pay dividends too.

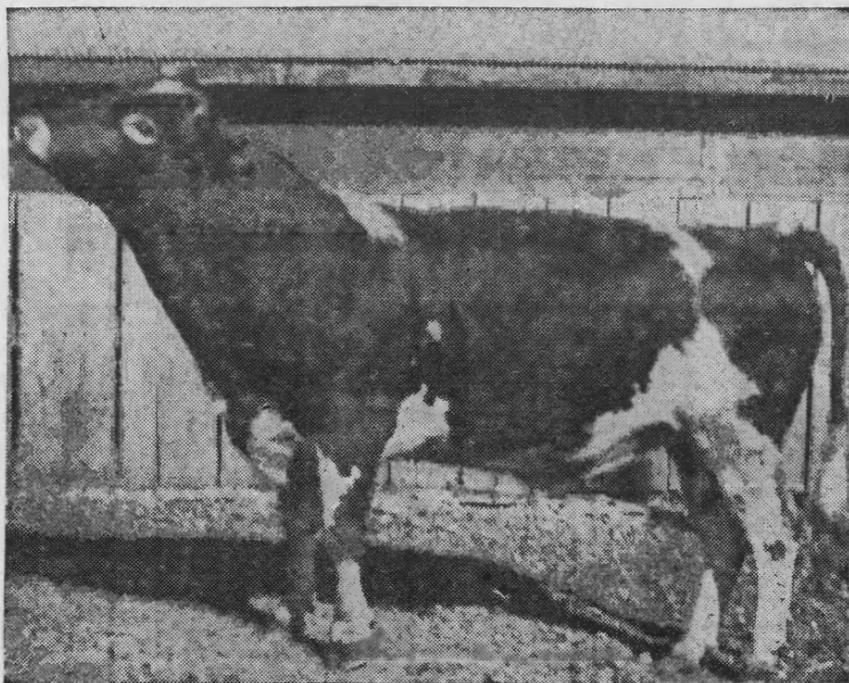
Starting with one 4-H heifer in 1941, Wyatt said that he has gradually improved his herd and milking techniques because he believes "that dairying gives a farmer a higher dollar return per dollar invested than any other type of farming." And not since 1946 has Wyatt netted less than \$500 per month from his dairying.

How does he do it? By keeping careful records of feed consumption and milk production per cow; by culling the best calves for the herd; by schedule milking; and by hard work, the young dairyman said. "Since I don't do any other type of farming, I have to make dairying pay."

## Need Good Stock

Good foundation stock is about the most important asset to a good dairy herd, Wyatt declared. The young dairyman uses his own purebred "Reigledale" bull, which is the son of a 500 pound butterfat production cow, he said.

Care of calves is another point which Wyatt considers important to good dairying. From the very first day that a calf is born, Wyatt prepares it for the day that it will be a high producer. The calf is placed in a 14-calf barn, where it



**WYATT'S PUREBRED** Reigledale bull, son of a 500-pound butterfat production cow, is the 24-year-old-dairyman's herd sire. Building towards a production herd of 60 cows, the young dairyman believes that "if I am to produce good milk stock, I have to have good foundation stock."

is fed its mother's colostrum milk from nipple buckets.

Placed in individual pens, the calves are hand-fed calf-meal after they are two-weeks-old. "These individual pens prevent the calves from sucking each other's ears," he explained, "and it is also easier to keep track of the amount of feed they eat."

## Hand-Feeds

When the calves are two-months-

old, they are culled and the best ones are put into a small loafing pen. Wyatt continues to hand-feed them concentrates because, "too much or too little proteins can be harmful, and this way I can be sure of how much they get."

For milking, Wyatt uses the loafing barn, with separate milk parlor, dairying system. The cows are allowed to run free in an area around the barn, or in case of bad

weather they can find shelter in sheds next to the barn. They are milked regularly at 5 a.m. and 5 p.m. in the 14-stall milk parlor.

The young dairyman uses five single unit electric milkers to do his milking. Plans for the future are to have an elevated milk parlor where the milk flows from cow into can in one operation, he said. His herd production is around 100 gallons of milk a day.

## Netted \$64

He figures each cow's production minus its feed cost to determine his net profit. "This way I know what each cow is worth to me." One of his best milkers produced 87.6 pounds of butterfat one month at a feed cost of only \$15.84, so Wyatt figured he netted \$64 from that cow. "That's not bad," he said proudly.

Wyatt pointed out that he is able to keep his feed cost down because he gives them plenty of good hay and silage and plenty of water. "That way I don't have to give them a lot of extra proteins. We just use what we raise on farm land."

By "we", Wyatt means his father and brother who farm the 260-acre farm near Lomax, on which Wyatt has his dairy. So with good foundation stock, adequate records, careful handling, Wyatt has built his dairy.

"I almost forgot to mention that electricity helped me to do this," he remarked. The Wyatts receive power from Western Illinois Electric Cooperative of Carthage.

# State Association Considers New REA Wage Policy At Meeting

Following a discussion of the new wage and labor policy of REA affecting construction work done by full-time co-op employees, the board of directors of the State Association passed a resolution requesting REA to reconsider its policy. This took place at the regular monthly meeting, October 19, in Springfield.

A report on the proposed annual meeting caravan was given by State Manager A. E. Becker. He cautioned that current material shortage and increased controls, may seriously affect the feasibility of a caravan next summer. He suggested that definite commitments be obtained from co-operatives and manufacturers as to

their support be the next step in determining the practicability.

A three-man committee consisting of directors of co-ops interested in the annual meeting plan, was appointed to assist the manager in determining the support by co-ops and manufacturers.

### Stoneman Memorial

The board voted to contribute a proportionate share to the E. J. Stoneman Memorial which is being sponsored by Region 5. Mr. Stoneman was one of the foremost leaders of rural electrification in the nation until his death last year.

Paul Wood, managerial consultant, appeared before the board to

explain a managerial service for electric cooperatives.

A report on Region V annual meeting was given by Fred Harms.

A report on the progress of an Illinois co-op-sponsored research program in cooperation with the University of Illinois, was heard by the board. A figure of 10 cents per connected member was set as a tentative amount which participating cooperatives would be asked to contribute.

The report of the Illinois REA News management committee recommended that adequate office space in a suitable location be secured even though it may take longer to find; that newscolumns not include advertising copy; that all Illinois cooperatives subscribe to the publication; that the 1949-50 surplus be retained until a later date; that the paper's bank account be transferred from Petersburg and established as a sep-

arate Association account in Springfield.

The board approved the recommendations, but voted to retain the same banking arrangements pending further study by the management committee.

## Power Companies Try To Stop Generating Co-ops

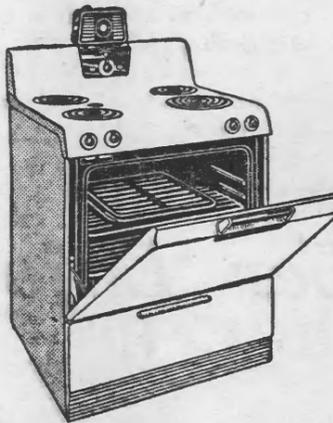
(From Page Three)

pressing need for some such arrangement if they were to give good service to present members and extend it to more farms. One manager testified that 6,000 farmers in this area would have to wait several years, at best, for electricity because of inadequate power supplies. That this situation is general in the area was attested by numerous other witnesses.

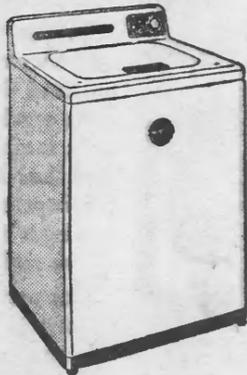
# Make your life easier...with these FRIGIDAIRE Home Appliances



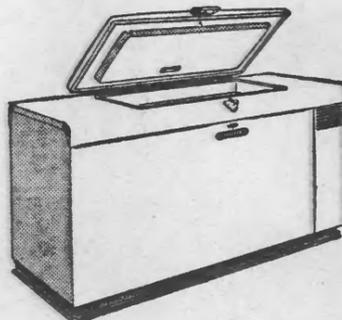
You'll discover how easy...how safe...how economical food-keeping can be with a new Frigidaire Refrigerator! A wide range of models makes it easy to pick the one that fits your needs. All models give you safe cold from top to bottom—more storage space in less kitchen space—Lifetime Porcelain food compartments and many more features. Model shown—7 4/10 cu. ft. MM-74, with full-width Super-Freezer Chest.



Whether you cook a little or a lot, you deserve a Frigidaire Electric Range! All models are packed with features you want—from the low-priced "Thrifty-30" with its full-width Giant Oven (shown) to the DeLuxe Double-oven model RM-75. Every model is equipped with faster-cooking 5-Speed Radiantube Units; all are finished inside and out with Lifetime Porcelain.



Completely automatic washing is yours with a new Frigidaire Automatic Washer. New Select-O-Dial washing control lets you pre-select correct washing times for special things like woolens, rayons, nylons, etc. Has exclusive Live-Water Action, Rapid-Dry-Spin and many other convenience features. Also see the new Frigidaire Electric Clothes Dryer and Electric Ironer.



Preparing meals is a snap when you have your favorite foods right at hand in your new Frigidaire Food Freezer. All models have extra-thick insulation, sliding storage baskets, counterbalanced tops with built-in interior light and lots of other features. Powered by the economical Meter-Miser, the same thrifty refrigerating unit used in Frigidaire Refrigerators.



This Frigidaire Electric Water Heater is completely automatic—set it and forget it. Install it anywhere—no flue needed. Two totally immersed Radiantube Units transmit all heat directly to water. Tank protected by 10-Year Replacement Plan. Round and table-top models—30 to 80-gallon sizes.

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# Radar Stoves May Revolutionize Cooking!

By Sidney Wekser

**D**URING World War II, Radar played an important part in helping us win the war, but during the past four years we have experimented with Radar and its principles to see whether it could be adapted to other uses.

One of the most remarkable new uses found for Radar, is the method of Radar cooking, for speed and for tastier foods.

Presently, Radar cooking is done only commercially, in hotels and restaurants, but its success indicates that within a few years, Radar ovens may be available for home use.

## Method Differs

Usual cooking methods involve the heating and cooking of the interior of the food without excessively heating the surface. In this way the real cooking is done by the invisible radiations of heat, similar to light, but lower in frequency, that heat the surface of the food but cannot penetrate further. From that point on, the actual cooking is done by the process of conduction in which the heat reaches the center of the food.

In cooking by Radar (Radio Frequency Waves), the waves, which are similar to radiant heat, but being lower in frequency, create tremendous heat within the food by penetrating all the way through. In this novel new way, quicker and tastier cooking results because the



**HERE'S WHAT** new Radar stove looks like. It is fastest way of cooking food known. For example, Radar will bake a potato in two minutes and cook a lamb chop in 45 seconds. It is operated electrically.

outside and inside of the food is cooked together.

By directing the invisible waves of Radar heat into the food, cook-

ing can be accomplished and at the same time the food is kept moist and does not lose its natural juices. The minute the current is turned on, the amazing heat waves start to reach very deeply into the various parts of the food and uniform cooking at all parts results.

## Radar Principle

The principle of Radar and its powerful waves is very interesting. Used in the new Radar oven, is a Radar Magnetron tube, which upon receiving electrical energy, throws off Radio Frequency Waves (Radar Energy), which are about 2½ inches long and are capable of penetrating certain materials, including foods, making its heat waves felt immediately.

The Radar waves, being of longer wave length than Infra-red or visible light, have greater penetration power, by far, and by being confined in a closed chamber, can induce heat in a fraction of the time required by other usual equipment.

While the Magnetron tube is the source of Radar wave energy in the oven, the remainder of the electrical circuit is designed to furnish power to the magnetron and to control its operation, safeguarding it from overloading and preventing high starting voltages. The controlled power line regulates the power supply to assure a constant output under varying line voltages on the line so that cooking time will not vary with a change in  
(Continued on Page Fourteen)

## Co-op Member 'Enjoys' Push-Button Milking

**F**ROM COW to can, the milk is neither touched nor handled by Francis Claunch. The southern Illinois dairyman uses a completely automatic milking system. In a modern elevated-stall milk parlor, Claunch has a network of rubber hoses that carry the milk from milker to cooler where it is distributed into three cans.

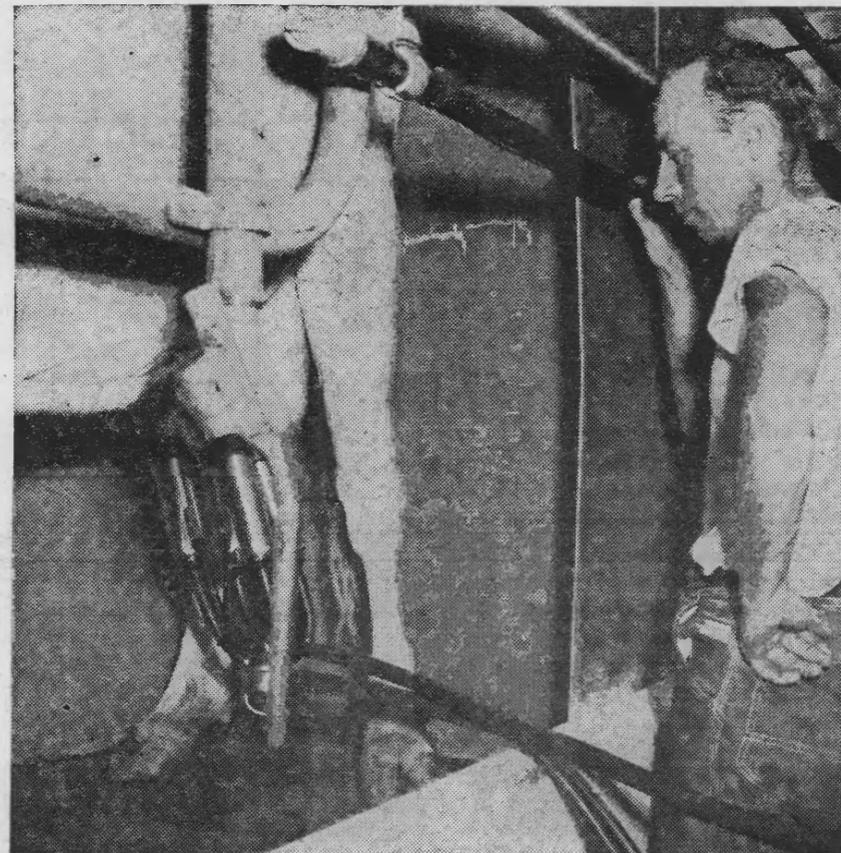
So simple and easy has milking become on Claunch's 120-acre farm near Carbondale now that the dairyman said, "about all I have to do now when I milk is to clean the cow, connect and disconnect the milker and wash the parts of the system."

The farmer said that he could do all of this work in half the time that it used to take him just to milk nine cows by hand in his old stanchion barn. Besides cutting his milking time in half, Claunch said that the automatic milking system has enabled him to add three more cows to his milk herd. "This is one way to increase my profits," he declared.

## Wife Can Milk

And, in addition to the advantages which it offers him, Claunch said with an automatic milker, "a fellow's wife can do the milking in case something happens and he can't milk."

He said that he remembers a time when he was very thankful that his wife could do the milking for him. "I came in from the field, tired and hating the idea of having to milk,



**'EASY DOES it'** and the milking chore on Francis Claunch's farm is done. The dairyman uses an automatic milking system with elevated-milk-parlor plus rubber hoses, which carry the milk from cow to cooler.

when to my surprise I found that my wife had done the job for me." He added, "and before I had this automatic system she didn't even know how to milk."

Mrs. Claunch said that she enjoyed doing the milking too. "Why

it's so simple and not half as hard as I thought it would be. Besides that, I can milk in my house dress without fear of getting it dirty either."

Here is how Claunch has changed

his milking: The old stanchion barn has been converted into a loafing shed. On one end of the barn he has built a 20 by 16-foot milk parlor, which has been divided into two sections, work-room and washing and cooler room.

In the work room Claunch has two elevated milk stalls that open out into the barn. In order that his cows wouldn't have to learn to walk up a ramp to these stalls, the dairyman has built his stalls even with the floor of the barn and he has his work-pit three feet below the base of the stalls.

Connected to the two electric milkers is a rubber hose which runs into the cooler room where the milk is put into the cans. When one can is filled the milk is carried to the next can through another rubber hose. The same process is carried on to the last can. A constant spray of water on the sides of the cans cools the milk.

The dairyman is so pleased with his milk system that he said he would probably not be in the dairy business if "I still had to milk by hand." Power for this method of dairying is furnished Claunch by the Egyptian Electric Cooperative of Steeleville.

Future plans? Claunch said he has nothing more in mind at the present, but that if he can find another way in which electricity can help him he would probably be willing to give it a try.

# TePoorten Lauds Record Of REA At Princeton Meeting

"A person who would attack the REA program, would also attack public roads and public schools," John E. TePoorten declared at the 11th annual meeting of Illinois Valley Electric Cooperative, September 26. The meeting was held in the Princeton High School auditorium.

TePoorten, who is a Wisconsin educator and a long-time supporter of rural electric cooperatives, pulled no punches in denouncing the obstructionistic tactics of private power companies.

"Instead of trying to hinder the progress of rural electrification, the private utility companies should assist the cooperatives," he said. "Electricity on the farm is vital to the defense of the nation."

The speaker cited the record of power companies in Wisconsin to show that it wasn't until cooperatives were formed and REA loans made available, that rural electrification became a reality. "In 30 years the Wisconsin companies, with no competition, electrified only 15 per cent of the farms in my state.

"Therefore farmers got together to do the job themselves through non-profit cooperatives. They received loans from the government. And the record that these cooperatives have achieved in the past 15 years, establishes the REA program as one of the greatest contributions to the welfare of the country ever known."

TePoorten emphasized that every co-op member has a responsibility to make sure that the Congressmen he votes for are men who will support REA. "Compare the candidate's speaking record with his voting record," he cautioned.

Concerning free and public enterprise, the educator said that there was a place for both. But maintaining the status quo is an impossibility in a free enterprise system. And that is something the private power champions don't understand.

"Change is essential in a free, private, enterprise economy. When change ceases, the system will be doomed. We must be ready for changes and meet them, but at the same time we do not and should not

sacrifice the principles of our democratic way of life.

"The principal danger to democracy, however, is not from without, but from within. Neither communism nor socialism represent the gravest threat to our democracy. It is indifference and apathy on the part of the individual that does."

TePoorten defended the farmer's right to generation and transmission of electric power. "The private power companies give the impression that generating electricity is difficult. That it takes a genius to do it. That's not the case. Electricity is very easy to make.

"And generation and transmission are highly important to the future of cooperatives. Although the private companies have promised to furnish adequate supplies, they have not proved dependable."

Harold Whitman, executive committeeman of the National Rural Electric Cooperative Association, urged a revival of enthusiasm on the part of members for their cooperatives. "We can't afford to take them for granted. They are your organizations. It's your duty to support them."

Harold A. Whittle of the REA management division spoke briefly on the importance of members attending their annual meeting.

In the reports of the officers, President Upton Craig told of progress during the past year. He asked for continued cooperation of the membership saying, "the attitude of members towards their co-op, will determine how strong our system will remain."

Secretary Mrs. Edith Kays reported that a loan of \$425,000 had been received from REA to be used for system improvements, head-quarter facilities and to cover previously approved construction. One new substation was put into operation during the year and four more are planned. In addition, 25 miles of line serving 97 new users, were built, the secretary informed the meeting.

Treasurer Mrs. Eileen Slingsby reported that the cooperative had experienced "a very successful year" and that substantial principal and interest payments had been made on its REA loans.

Manager Floyd I. Ruble praised the loyalty and cooperation of members and employees in helping to "build a better cooperative."

The manager outlined the plans for the coming year which include construction and a tree-trimming program. Regarding tree trimming, he said that the co-op lines must have clearance in order to insure continuous service. He spoke on the state-wide publication, the Illinois REA News and how it keeps members informed on matters affecting rural electrification locally and on a state and national level.

Three directors were re-elected for three-year terms. They were, Mr. Craig, Victoria; Mrs. Kays, Ottawa, and Ray T. Snyder, Walnut. At the organizational meeting of the board, Mr. Craig was re-elected president, Mrs. Kays, secretary, Ray Jackson, vice-president, and Mrs. Slingsby, treasurer.



**NEW MEMBER** of M. J. M. Electric Cooperative of Carlinville is radio station WSMI. The station is located in a rural area between Litchfield and Hillsboro and is primarily a rural station. It will also have a studio in Carlinville.

Serving a 25,000 square-mile area in mid-Illinois, WSMI is a 1000-watt clear channel station. It will

operate from 6 a.m. until 6 p.m. daily. Owners of the station said that it was their desire to have programs primarily of interest to rural people.

Hayward Talley, president of the radio station is shown being congratulated by Co-op Manager Barnes on becoming a member of the co-op. Talley's partner, Thomas Payton looks on.

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Our Advertisers Are Discovering For Themselves That They Can't Buy a Better Advertising Bargain Anywhere. Compare the high value and low cost offered by the Rural Exchange section of the Illinois REA News with any other similar farm paper and we believe you will be convinced that you get more for your money in the Illinois REA News.

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Gentlemen: I noticed that my ad is still running in the Illinois REA News I do not just recall how long that ad was to run, but I did not think it was this long. Anyway, please take it out for the present time as I do not have any more sexed chicks. I am having call for them and do not have any. I have had very good results from this ad and I want to put in another about the end of December. Thanking you, I remain, Very truly yours,  
H. C. Brockmeier  
Brockmeier Hatchery  
Greenville

Gentlemen: Kindly reprint ad for next six issues. The credit for the expense of this ad is hereby acknowledged.  
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When you are in the market to buy or sell, think of the Illinois REA News first. Like the above advertisers, we are sure you will find it a real bargain.

For Classified Rates, Order Blank and Other Information, see Pages 23 and 24.

cellent results of this ad, we selfishly split three ways; first to the Illinois REA News for its progressive magazine, second, to the thrifty and intelligent REA readers, and third to ourselves for the quality of our products . . . Yours truly,  
H. D. McKay, president  
McKay Woolen Mills  
New Bremen, Ohio

Edwardsville  
Gentlemen: It sure pays to run an ad in the Illinois REA News the best farm paper we have come to our place. Very interesting, indeed.

Leo Griffith and wife  
★ ★ ★ ★

### Free Pamphlets

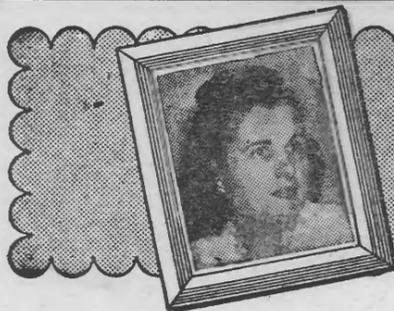
The pamphlets listed below may be of value to you. Address your requests to Power Use Editor, Illinois REA News, Box 1180, Springfield, Ill., enclosing a three cent stamp for each pamphlet requested. You may order as many of the pamphlets as you wish.

How To Select Your Water System

How To Use Electric Welding On the Farm

How To Apply Electric Heating On the Farm

Electricity In the Milkhouse



# Home-makers' Page

Edited by Kay Conlan

## Holiday Turkey Roasted In Aluminum Foil

Wrap that Thanksgiving bird in aluminum foil and roast it in this shining jacket if you want the juiciest, tenderest, and "moistest" turkey ever to delight your taste buds. The procedure is simplicity itself and lets you go to church or look in on your neighbors' festivities while the turkey is cooking.

What is even more remarkable, it will virtually guarantee a turkey browned to a perfect "magazine-ad" golden brown and oozing with flavorful juice, even though you must roast it in a range without thermostat control with only an oven thermometer to guide you.

A 12 inch wide size roll of aluminum foil, which is available in food markets everywhere, by the way, will wrap a small 10 to 12 pound turkey in a breeze. Tear off a sheet more than twice the length of the bird, place the bird lengthwise at one end, bring the foil up and over, closing all edges together and pressing and molding the foil against sides of turkey. It doesn't have to be sealed airtight.

### Large Turkey

To cover a big fellow, join two long pieces together with a double fold, or use the 18-inch wide aluminum foil. Wrap lengthwise or around turkey—whichever is most convenient.

Stuff and truss turkey as usual. Weigh it after stuffing so you'll be able to time the roasting, or if you do not have scales and buy your turkey, have your butcher weigh the bird after cleaning. Use that weight and add three pounds to a small turkey and four pounds to a large one for dressing. The turkey should be well greased and seasoned with salt and pepper, with



**FOIL WRAPPING** your turkey is simple. Just tear off a large sheet of aluminum foil, place turkey at one end and bring other end up over the bird. Mold the foil to the sides of turkey and bring all edges together, sealing with a double fold. If the foil is not wide enough, join two pieces together along lengthwise edge with firm double fold.

stuffing, and takes at least five minutes per pound longer roasting than one that isn't chilled.

### Pre-heated Oven

Reclose foil, place in a pre-heated moderately hot oven (400°F.) and roast for length of time given in

these parts may brown, and brush turkey with melted fat from the pan.

Indications that your turkey is done are the same as when cooked without foil. Move the leg and thigh joint; if they give readily, it is done. Insert fork in the thick place where the wing is joined to the body—if the meat feels tender and

the juice does not run pink, the turkey is done.

### Leftover Turkey

Save that foil for wrapping the leftover turkey. It will keep it fresh and moist for many days of refrigerator storage, and when reheating the whole bird or slices, reheat right in the aluminum foil, so they will be restored to fresh roasted flavor.

Roasting in aluminum foil has many advantages—it will prevent the turkey from over-browning, even though the oven runs up to white heat the minute your back is turned. It will help too, if your pan is too small, since it won't matter if the legs stick over the edge when the turkey is completely wrapped, and when the foil is removed, small pieces may be placed as needed to keep juices from running over sides of pan.

Although higher heat is used with aluminum foil, the turkey is in the oven for a shorter period and shrinks less—so there's more slicing meat. Juices stay in the turkey for the most part, although there's ample for excellent gravy since they don't get a chance to dry up or over-brown. Repeated tests of this method have always resulted in moister and juicier turkeys.

During the first two hours or more of the roasting time, the turkey requires no watching. You can go to church, go in to see your neighbor's table decorations, or tend to any of the other thousand and one things going on in a holiday household!

ROASTING TIME CHART			
Pounds of stuffed weight	Cooking time min. per pound	Cooking time hrs. per bird	Temperature
8 to 10	20	2½—3	moderately hot 400°F.
11 to 14	18	3¼—4	
15 to 18	16	4—4¾	
19 to 24	15	5—6	

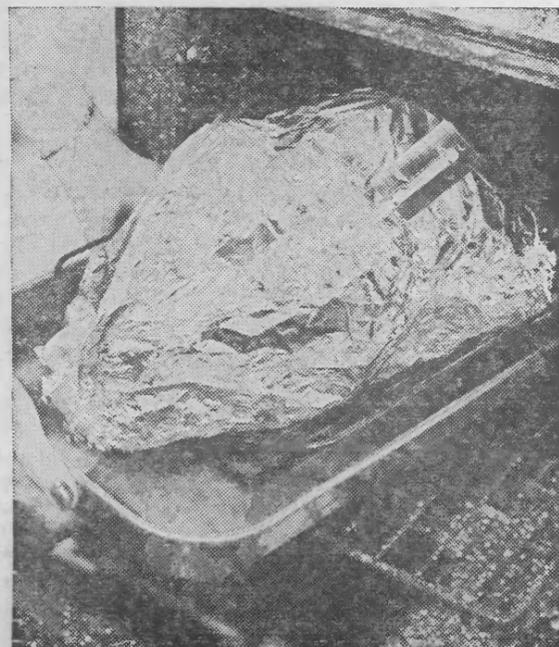
perhaps a light sprinkling of dried herbs before being wrapped in the aluminum foil.

If you are preparing the turkey the night before, place it in the refrigerator in this foil envelope overnight. Next morning, take the bird out the first thing, open up the foil and let it stand until it warms up to room temperature. This is important in any method of roasting, since a turkey that has spent many hours in the refrigerator is chilled right through to the center crumb of

Roasting Time Chart. Cooking time varies with tenderness, size and shape of the individual bird. The smaller the bird, the greater the number of minutes allowed per pound.

About 45 minutes before roasting time is up, open and fold back the aluminum foil, or slip it out from underneath the turkey completely. Let the juices run down into the pan so they will brown to just the right color for deliciously flavored gravy. At this time cut the trussing strings between legs and tail so

**COMPLETELY WRAPPED** in foil, turkey is ready for the oven. A meat thermometer may be inserted through the foil, if desired.



# Make-Your-Own Christmas Gift Suggestions

## Gifts You Make Are The Friendliest Kind To Give Or Receive

Handmade Christmas gifts are the nicest and friendliest kind of gifts to give or receive. And if you love to knit, crochet or sew, there just isn't any limitation to the lovely presents you can make to tuck under your own or your friend's Christmas tree.

If there are limitations on the budget, one of the most wonderful things about making your own Christmas gifts is the expensive looking effects you can achieve from just such humble beginnings. But the important thing to remember is to start in time so you can enjoy making each article as you go on.

The Illinois REA News has many patterns available just for the asking and one of our pattern suggestions may be just the thing you are looking for to complete your list.

Directions for making any of the gifts illustrated as well as other direction leaflets on the Pattern List are FREE! Just send a STAMPED, SELF-ADDRESSED envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill., for every FOUR patterns you request.

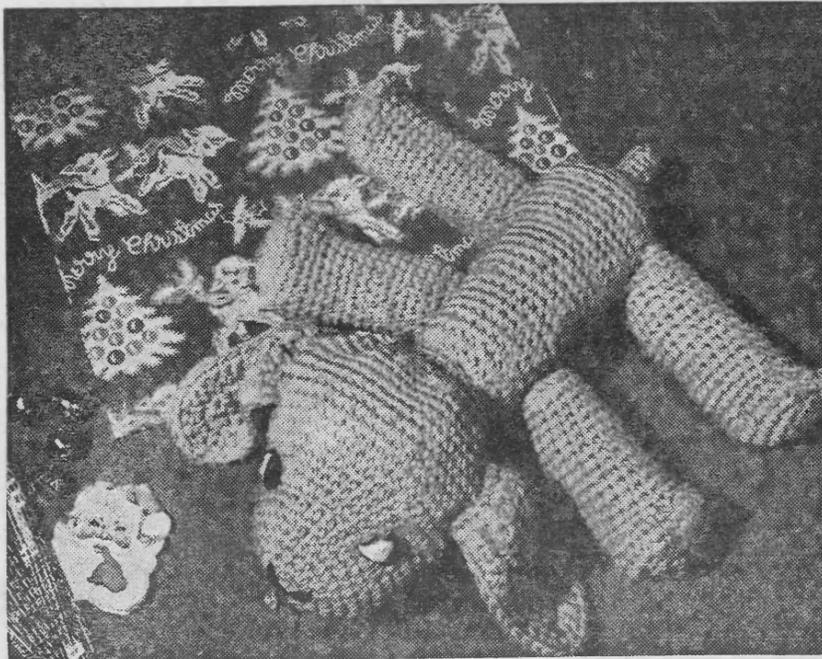
**1. FLOPPY DOG.** Babies and toddlers on your list will love this wee spaniel—and since he can be crocheted in an evening or two, you will have time to make several. His coat is beige wool but he is equally attractive in rust, pink or blue.

**2. CROCHETED BABY SET.** The carriage robe and cap are formed from separate blocks joined together and edged with lacy knot stitch in soft cotton yarn. Except for the solid yoke the little sacque is worked in the same pretty knot stitch.

**3. TWO GIFT APRONS.** These aprons make ideal Christmas gifts, and each one can be finished in an hour or so. The body of both aprons is made from checked cotton and trimmed with solid dark cotton. The apron at bottom is also trimmed with a row of rick-rack.

**4. PENGUIN BATH SET.** Here is a set of bath towels and face cloths trimmed with crocheted penguins. They are crocheted in black and white with yellow feet and beaks. The large sized penguin is for the bath towels and there's a smaller version for face cloths.

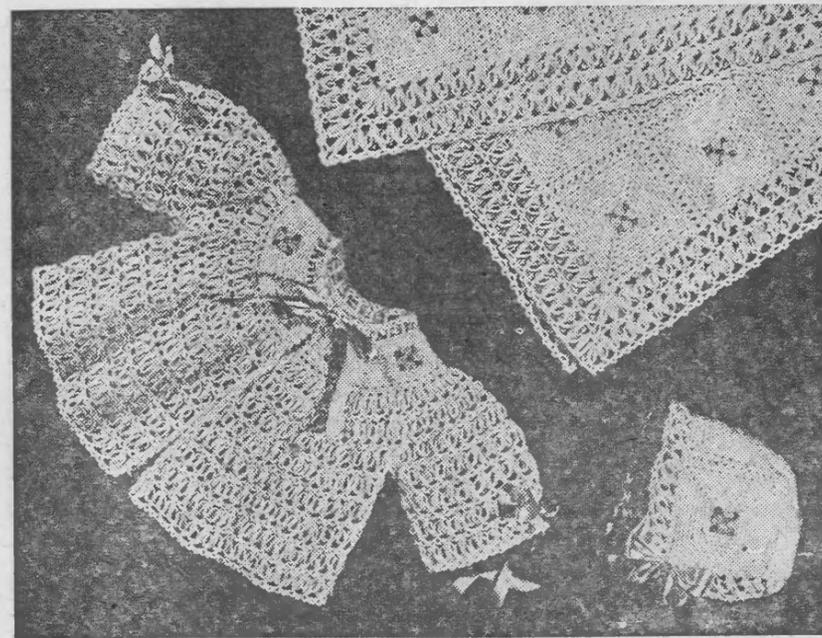
**5. HAT AND MITTENS** will be a welcomed Christmas gift for the youngster. The crocheted hat with its own earflaps knows its place—right on her head. It's crocheted of knitting worsted and trimmed with embroidered running stitches in contrasting colors. The mittens are snug fitting and trimmed with the same colorful embroidery.



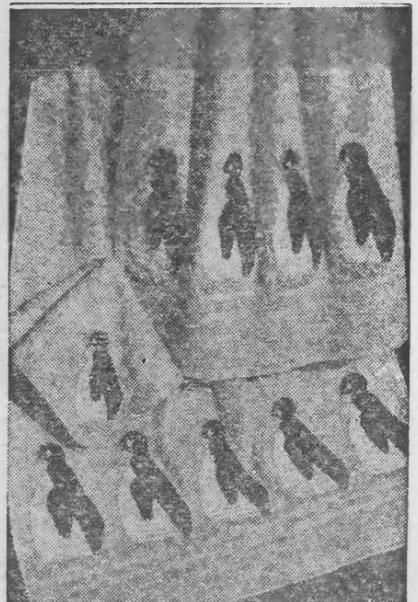
1. Floppy Dog



3. Two Gift Aprons



2. Crocheted Baby Set



4. Penguin Bath Set



5. Girl's Hat, Mittens

## Pattern List

Whether you select several of the patterns listed below or you are interested in directions for making the gift suggestions illustrated above, the patterns are all FREE—so order as many as you wish. Be sure, however, to send a STAMPED, self-addressed envelope for every FOUR patterns you request, and address requests to Kay Conlan, Illinois REA NEWS, Box 1180, Springfield, Ill.

### Ideas For Fun

- Thanksgiving Table Decorations
- Unusual Xmas Gifts To Make
- Little People's Xmas Gifts
- Christmas Cards To Make
- Christmas Decorations, Tree etc.
- Wrapping Xmas Gifts
- Xmas Table Decorations
- Wax Art
- Six Gifts To Make
- Place Cards and Favors
- Boy Blue Birthday Party
- Childrens Cowboy Party
- Kiddie Kraft
- Baby Bunting Party
- Bridal Table Decorations

### Items To Sew

- Closet Accessories
- Felt Belt
- Print and Plain Apron
- Nylon Blouse
- Mother-Daughter Aprons
- Square Dance Doll
- Three Fruit Potholders
- Square Dance Skirt
- \* Smart Sewing with Cotton Bags

### Items To Knit

- Mittens
- Striped Afghan (Cable Stitch)

- Man's Knitted Tie, Socks
- Two Carriage Covers
- Men's Argyle Socks

### Sweaters

- Diamond Pattern Men's Cardigan
- Twin Sweater Set (Sizes 12, 14, 16)
- Man's Cable Stitch

### Helpful Hints

- Decorating with Rayon Fabrics
- Removing Spots and Stains
- Making Bias Finishes
- Tips On Making Buttonholes

### Toys To Crochet

- Crocheted Christmas Dolls
- Pussy and Bunny
- Puppy
- Doll
- Black Cat and Pink Dog
- Loopy Dog and Ball

### Items To Crochet

- Hat and Bay Set
- Perky Crocheted Hat
- Baby Soaker With Bib
- Square Pineapple Doily
- Dressy Hat
- Crocheted Scatter Rug
- Pineapple Popcorn Kitchen Set
- Square Pineapple Doily
- Beige Wool Hat
- \* Learn to Crochet
- Criss-Cross Chair Set
- Pillow Case Trim
- Crocheted Belt
- Guest Towel Edgings

### 'Old Favorites'

The patterns listed in this section have joined our group of old favorites because of their continued popularity. While our supply lasts, we'll make the "Old Favorites" available for those who have been wanting to write. Order as you would regular patterns—a self-addressed, stamped envelope for every FOUR patterns you request.

- Making Plant Holders
- Whirl Skirt With Crocheted Pockets
- How To Make Slip Covers
- Potholder Mitt
- Triangular Bib Apron
- Five Knitted Doilies
- Pineapple Rows (chair set)
- Rose Circle Doily
- Flower Edgings For Linens
- Daisy Runner
- Frothy Centered Pineapple Doily
- Pineapple Pincushion
- Hectagon Shaped Doily
- Shell Stitch Chair Set

An appearance of height may be given a low window by the use of vertically striped cotton material for draperies, or by extending the draperies to the floor.

\*Please include separate envelope when ordering with other patterns.



### Some 'Do's and Dont's' To Keep In Mind In Washing Sweaters

It's sweater time now—time to buy new ones and recondition old ones. Here are some suggestions for caring for and washing your sweaters which will help keep them looking as nice as they did the day they were new.

While the sweater is still new, unstretched by wear, outline on paper as a guide for shaping later.

To be safe, here are seven important DO'S to follow:

1. Wash sweaters, one at a time.
2. Wash before too soiled.
3. Remove fancy buttons or trimmings.
4. Use lukewarm water.
5. Squeeze suds through sweater.
6. Work quickly and gently.
7. Dry flat in airy place.

Five DON'TS to observe:

1. Don't soak sweaters.

2. Don't wash vigorously.
3. Don't douse up and down.
4. Don't twist or wring.
5. Don't dry in sun or near heat.

Try wrist test to be sure your "lukewarm" isn't too hot. A drop of tepid water flicked on your inner wrist matches body heat and therefore, feels neither hot nor cold.

With a soft hand brush dipped in suds, spot clean the sweater neckline to remove make-up smudge. Pre-clean the heavier soil on long sleeve cuffs, too.

Keep sweater under water while washing. Even in taking from water, lift from below so water weight won't pull out of shape.

Speed drying process by rolling in turkish towel—knead well. Remove at once.

Spread sweater on drawn pattern. Ease into place. If necessary, anchor in place with rustproof pins.

Dingy or pastel sweaters can be given a flower-fresh look if one of the rinse waters is tinted with an all-purpose dye. Bold inch wide rik-rak braid sewed below the collar ribbing on a cardigan was a smart decoration trick used by a high style designer recently to give a new look to a classic.

Jersey fabrics are in high fashion favor this season. You'll find that buttonholes on this fabric can be made easily if mending tape is applied to the wrong side of the garment as a stay.

Before laying sections of a pattern out on fabric for cutting, press it to smooth it out. Use a very low temperature on iron while doing this since too much heat will cause pattern pieces to curl.

## Assembling Materials, First Step For Arranging Flowers

Master the basic steps in the art of arranging flowers, then add your own imagination in creating unusual effects—and you'll find you can make interesting flower arrangements with almost any type of flowers. In the illustrations shown, for example, exotic orange and yellow tritoma or red-hot-pokers are combined with green grapes and foliage for a lovely arrangement typical of the fall season.

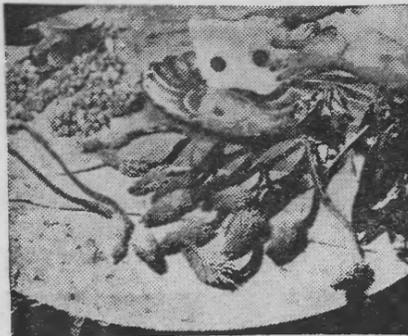
The first basic step is to assemble your material and working equip-



ment—scissors, knife, stem holder (frog, needle-holder, or small-mesh chicken wire); a supply of thin wire; and putty or rubber suction cups to make the stem holder stationary.

Cut each stem a different length, with the heaviest flower heads usually having the shortest stem. You may use the following ratio: the tallest flowers from one and one-half to two times the width of a shallow container, or the height of a tall vase. Cut all stem ends diagonally to absorb the most water and remove lower leaves which may come below the water level.

The longest-stemmed flowers and leaves are inserted for the backbone of the triangular design. The short-stemmed flowers radiate from a central position and fill in the sides of the triangle. A center of interest is created by the short-stemmed flowers amidst the grapes in the arrangement illustrated.



## Favorite Recipes and Hints To Clip For Your Scrapbook

Here is another group of "specially favorite recipes and helpful hints" sent in by readers. Do you have a suggestion that you'd like to share, too? If so, just address it to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill., or tuck it in with your pattern request.

Here is a recipe for Apples With Crunchy Topping.

- 4 apples, sliced thin
- 3/4 cup quick cook oatmeal
- 1/2 cup brown sugar
- 1/2 cup flour
- 1/2 cup butter or margarine

Arrange apples in greased baking dish. Combine remaining ingredients and sprinkle over top. Bake 30 to 40 minutes in moderately hot oven.—Mrs. Howard Haverkamp, Route No. 2, Metropolis, Ill.

When the metal tips come off the ends of shoe strings, twist the ends and dip them in clear finger nail polish. Allow to dry. The strings will then go through the holes in the shoes easily.—Mrs. Carl Ross, R. R. 1, Waverly, Ill.

Instead of straining jelly juice through cheesecloth, strain through a piece of flannelette and see the difference in your jelly.—Mrs. Arthur Zapp, R. R. 3, Box 180, Nashville, Ill.

It's easy to churn this way: Put a pint of cream in a half-gallon mason jar and put the lid on the jar. Wrap the jar in a large dish towel and then strap it securely to the agitator

in your washing machine and turn on the power. In a few minutes the butter will be made. I use a short length of clothes line rope to tie the jar to the agitator.—Bessie Claunch, Dahlgren, Ill.

To remove a small piece of broken egg shell from an egg, just use the large half of the shell. The small piece will cling to it.—Marie Sanders, Walnut Hill, Ill.

### Radars Stoves May

(From Page Ten)

line voltage due to normal changes in line loading.

#### Quick Cooking

To illustrate how quickly tender appetizing cooking can be done, just look at the cooking time for some foods

- Ham Steak .....1 Minute
- Lamb Chop .....45 Seconds
- Corn On Cob .....45 Seconds
- Baked Potato .....2 Minutes
- Fish .....1 Minute
- Fried Egg .....12 Seconds

In addition to cooking more effectively, this new method provides smokeless and greaseless cooking, without the utensils becoming black or burned and without the usual heat in the room that is present with some types of cooking.

### Knitting Bag



A SPACIOUS drawstring bag for knitting and sewing effects makes a fine inexpensive Christmas gift that you can make. If you have some colorful scraps of flowered chintz or cretonne, use them for the sides and handles of the bag. Send a stamped, self-addressed envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill., for your direction leaflet.

## President Lauds Members At Southwestern Meeting

"Your electric cooperative has been successful because of your loyal support and because it has been developed around certain basic principles," President G. G. Pape told the members of Southwestern Illinois Electric Cooperative of Greenville at the annual meeting, held October 19, in the Edwardsville High School gymnasium.

Pape said that these basic principles are: it fills a real need; it promotes the general welfare of the country; it is a self-liquidating enterprise; its service is available to all persons in its area; its business is conducted in accordance with American ideals; and it is a typical example of a democratic free enterprise.

The co-op president said that the electric cooperative has done much to better the community in which it is located. "It has increased the taxable wealth, improved the general welfare of the rural people, and increased the profits of the business man on Main street." Likewise, the large industrial centers have benefited by the success of the rural electric program, Pape said.

### Discusses Progress

President Pape pointed out to the members that their electric cooperative had come a long way since the first connection was made on April 13, 1940. The co-op has close to 6,000 members now. Its gross revenue is in excess of \$550,000 and is estimated to increase to a million dollars by 1960.

Pape mentioned the proposed legislation in Congress which would require cooperatives to pay income taxes and said that it was an effort to put the cooperatives out of business. He urged the members to read the Illinois REA News in order that they may keep informed of such issues, which relate to cooperatives.

Manager V. C. Kallal, also praised the members for "your collective efforts in successfully developing and operating your electric system thus far." It is somewhat of a surprise to the old established private electric utilities, who 10 to 12 years ago prophesied that "you would certainly fail in a short period of time," he declared.

### Reports Success

"The accusation that the job of rural electrification was not feasible and that farm people were not interested in nor could they afford electric service, has been proved false by your success," Kallal said. "So long as you continue to take an interest in your electric cooperative and are willing to work for its success, you have nothing to fear," he said.

During the past year, 182 miles of line were constructed to make service available to 620 new members, he said. The average monthly consumption has increased from 219 kilowatts per member in 1949 to 245 kilowatts per member. "Our revenue from the sale of electrical energy has increased approximately 21 per cent during the same period of time."

The manager said that with an increase in size of the cooperative system plus an increase in all costs, the operating problems are necessar-

ily becoming more and more important and difficult. "You, as members, are putting the electric service to many uses. You require not only adequacy, but also, continuity of service," he said.

### 'Electricity Is Cheap'

This means that the lines must be properly maintained and that such jobs as tree trimming and brush clearing must not be overlooked, he said. "You can help a lot by keeping the brush down along your fence rows and by permitting the removal of trees that are hazardous to the operation of the line," Kallal pointed out.

Kallal reminded the members that their electric service is cheap. "The pre-war dollar—while it is worth only 50 cents for the purchase of food or clothing—will buy \$1.10 worth of electric service today even though your greater demand for power has necessitated the construction of heavier feeder lines. This has increased the investment per connection from less than \$300 to almost \$500."

Secretary-Treasurer Edward P. Ohren reported that \$383,609 has been repaid to REA. This is \$268,000 in excess of the amount due according to the repayment schedule, Ohren said. The co-op also has a depreciation reserve of nearly \$400,000.

### Pass Amendments

Two by-law amendments were passed by the members. These called for: increasing the loan limit of the co-op from \$4,000,000 to \$6,000,000; and changing the meeting date from the period of October 1 to November 1 to the period of July 1 to November 1.

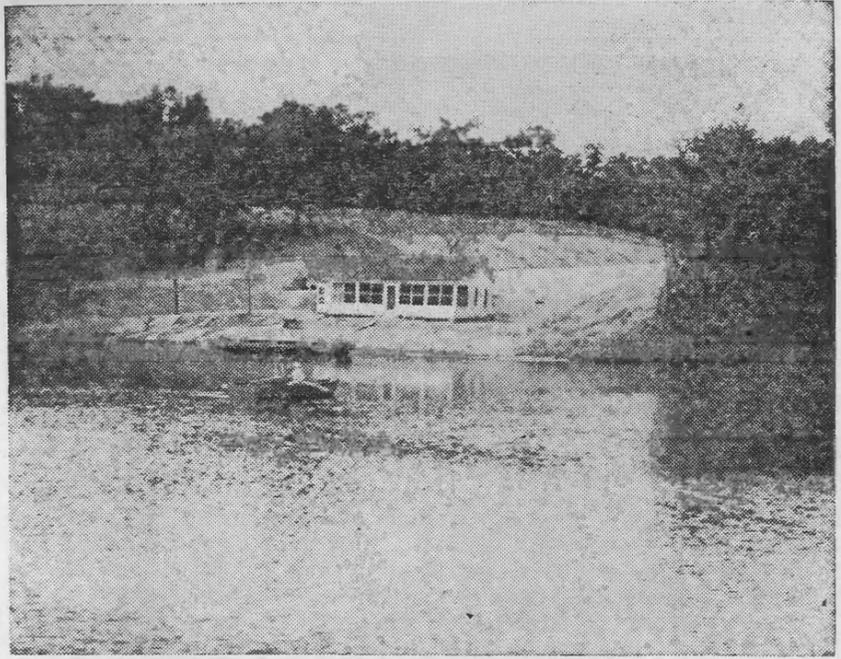
Directors Ohren, Mrs. Rolie Eakin, and Otto Henke were re-elected for three-year terms. President Pape called upon the members to stand for a minute of silent tribute for the late Board Director, O. A. Harpster.

Emil "Farmer" Bill of Peoria gave the principal address. He mingled his farm philosophy with numerous humorous stories to the delight of his audience. On the serious side Bill praised the cooperative method which made "your co-op successful."

A cafeteria-style lunch was served during the noon intermission at the all-day annual meeting. Ladies of the Madison County Home Bureau prepared and served the lunch. St. Louis acrobatic performers entertained the members in the afternoon's portion of the program. A large number of attendance gifts were awarded at the close of the meeting.

### WESTERN GETS LOAN

Western Illinois Electrical Cooperative of Carthage received REA approval of a \$339,000 loan. The money will be used to finance the construction of 45 miles of distribution line to serve 135 new rural consumers; and for system improvements including the construction of 39 miles of new tie line.



SWIMMING, FISHING, or camping are recreations available to L. L. Dunmire now at his own home. The farmer has constructed his own five-acre artificial lake, complete with a 200-foot dam, a spacious one-room cabin, and stocked with bass and blue gill.

Dunmire said he built the lake because he planned to start a soil conservation project on the 80 acres

where the lake is located. "But when I saw that it also offered us a good recreational spot, I decided to add the cabin and fish to the project."

Besides this 80-acre plot, Dunmire farms 160-acres east of Kappa. This farm is only about one-half a mile from the lake. Both of Dunmire's places receive electric service from Corn Belt Electric Cooperative of Bloomington.

## Delegates Hear Wise, Kline At Region Meeting

Harold C. Whitman was re-elected executive committeeman for Region V on the National Rural Electric Cooperative Association board at the regional meeting, held Sept. 18 and 19 in Des Moines, Iowa. Whitman is a director of McDonough Power Cooperative of Macomb.

Over 450 delegates from Illinois, Iowa and Wisconsin heard Assistant REA Administrator William C. Wise declare that if the power to grant generation and transmission loans was taken away from REA it "would tend to destroy the competitive situation which has been so instrumental in bringing power costs down to all cooperatives and, in fact, all rural users of electric power."

### Kline Speaks

In another principal address, Alan Kline, president of the American Farm Bureau Federation, discussed the Korean situation and its effects upon our "freedom". Kline said that the real "enemy is not North Korea or Communism but inflation."

He said that higher taxes, "that hurt too," and increased production is needed to combat inflation. Price controls and inflationary war financing would only add to inflation, the farm leader declared.

NRECA Executive Manager Clyde Ellis's report dwelt on various aspects of the power problem and on REA's telephone program. Ellis said that the "battle" to prevent REA from granting G. and T. loans is "actually the same battle as that which has been waged constantly by the power companies to prevent our systems from obtaining the low-cost government hydro-power over government transmission lines."

### Hampers Phones

Ellis said that the telephone program hadn't been able to progress too much because "Congress has re-

fused to grant sufficient administration and loan funds for it."

Other speakers at the meeting included Clark T. McWhorter, president of NRECA; William S. Beardsley, governor of Iowa; and William S. Roberts, editor of the Rural Electrification Magazine.

A. E. Becker, manager of the Association of Illinois Electric Cooperatives, was named to a three-man committee which is to provide a suitable memorial to E. J. Stoneman, late rural electrification leader. The memorial will be housed in the NRECA's offices in Washington, D. C.

## Governor Speaks--

(From Page Three)

the REA-financed co-ops for bringing electricity to the farmers. Stevenson said that he was behind the REA program 100 per cent.

### Financial Savings

A. E. Becker, manager of the Association of Illinois Electric Cooperatives, also spoke at the opening session. Becker attributed large financial savings for the 27 Illinois rural electric cooperatives as one of the major achievements of the Illinois job training and safety committee.

Becker also pointed out that the job training program has been responsible for producing efficient, trained employees who are giving high quality, dependable service to the cooperatives and the farm families they are serving.

Other speakers at the conference included I. Thomas McKillop, chief of management, REA; Harold C. Whitman, national director, NRECA; L. L. Wingo, Illinois assistant state supervisor of trade and industrial education; D. B. Bidle, REA safety and job training adviser; and A. C. Barnes, chairman, Illinois job training and safety adviser committee.

Please mention you saw the ad in the Illinois REA News when patronizing our advertisers.

## Between The Poles

with Bill Murray

I'm not getting as much fried chicken lately as I should. Last time I had some was at the Illinois Valley Electric annual meeting.

Tables were groaning under the piles of delicious pot luck specialties prepared by the culinary experts of that co-op, and, best of all, there was plenty of golden-brown chicken. Unfortunately, I turn too polite on occasions like pot-luck dinners. Instead of taking a platter of chicken like my stomach urged, I forked only one piece and passed on down the line.

Then there was the time down at Egyptian Electric co-op's annual meeting this summer when I discovered the hidden source of fried chicken supply only after I had wasted my appetite on hot dogs and soda pop.

George Pape and his good wife were feasting with some of the other Egyptian directors at tables set up in the co-op garage. They spied me as I was wandering around trying to digest the hot dogs. I had room for only one piece of Mrs. Pape's pie, a pastry that need not apologize to anyone's taste buds.

And then Mrs. Pape passed the bowl of fried chicken. Here again, I thought fate had stacked the cards against me since the pie, hot dogs and soda pop had taken up all the space available at that moment. But, I allowed myself to be persuaded—and it didn't require much persuasion—to take a package of chicken samples home with me. I can testify that Mrs. Pape knows a thing or three about the art of frying chicken.

Once in a while I am successful in getting my wife to put poultry on our menu, but I fear she suspects that from the rapidity with which it disappears, that it isn't too economical a dish.

I've been thinking seriously of conducting a fried chicken contest for our homemaker readers. You do not have to be told whom I have in mind to judge the contest. If the chicken would keep in a home freezer, I might have enough to last me through the winter. All I need now is the chicken and the home freezer.

Speaking of George Pape, reminds us of Gus Pape—spelled the same but pronounced differently. Gus and Ed Ohren, with whom I had the pleasure of riding back from the regional meeting in Des Moines, were discussing the annual meeting caravan plan. It seems that in Kentucky, where a caravan has been operating with much success, a beauty contest is one of the big attractions at each annual meeting. Pretty girls from the co-op area compete and the co-op manager gets to kiss the winners.

Gus and Ed agreed that if the caravan plan should be adopted by Illinois co-ops, that the Kentucky tradition regarding the beauty contest should be changed. After all, managers had enough to do without kissing girls, they said. Instead, they suggested that this should be a duty for co-op officers to perform. That both are officers, probably didn't influence their opinion one bit.

The way John Sargent has been kidding Fred Harms about "the lost notes" makes us want to see the mystery cleared up. As delegate representing the State Association at the recent regional meeting, Fred took copious notes only to misplace them. Does anyone know the whereabouts of the "notes?" Neither Fred or John are offering any reward, so the mystery of their disappearance may remain forever unsolved.

Ted Brady, manager of Eastern

Illinois Power co-op of Paxton, is back on his feet after a major operation. We had a nice visit with him at his home last month.

Dean Searls, manager of Adams Electric of Camp Point, never misses an opportunity to fly his plane. And, he never worries about landing as long as there are a couple of square yards of corn field—minus the corn, of course. He contends that flying is a lot safer than any other mode of travel. And his recent experience may prove he is right.

He was out in a boat with some fellow managers fishing in the Mississippi, when he fell overboard, so we've been told. As yet, he hasn't ever had a similar experience in an airplane.

I didn't mean to show up at Clyde Lewis' place a half-hour before lunch. It was just that it took me a little longer to get there than I thought it would. Taking a left instead of a right on a country road, didn't help either.

But I wanted to see Clyde's new cistern and get a story on it. There are lots of advantages in having such a cistern including a dependable source of water supply in areas where water is not too readily obtained. The information will appear as an article in a future issue.

Besides gathering a lot of facts for an article, I was treated to some of Mrs. Lewis' fine home cooking. Incidentally, I promised her not to reveal what the lunch was cooked on, because she pledged that her next one would be electric.

I interrupted Clyde's work on his chicken fence, but his wife assured me that he welcomed such interruptions. After that very pleasant and leisurely visit, I got to thinking that the "art of real visiting" is something that is becoming a lost art. And, I believe we're losing something important out of life because of all the hectic rushing that we do.

With a deadline that rules his life like a dictator, the "hurry-up habit" is an occupational disease among editors. But, in our travels around the state, we've noticed the malady is even spreading to the farms. That's not good.

## REA Tells Of Wage, Labor Policies Affecting Co-ops

(From Page Three)

bor that its policy as to prevailing wages was intended to apply only to persons actually working in the exact rural areas in which the specific systems operate, exclusive of metropolitan areas within those areas, which under the law could not be served by the rural electric systems."

Contractors hired by REA borrowers last month met in Denver and according to spokesmen expressed the opinion that this REA bulletin was a direct step towards ultimate unionization of all REA work. They also offered the opinion that the minimum wage as furnished by the Department of Labor would be the International Brotherhood of Electrical Workers (AFL) wage in the particular area, and that a major portion of the policing of the situation would be done by that organization.

## WHAT'S NEW?



## Small Bulb Gives Bathrooms, Kitchens Outdoor Freshness

Have you ever noticed how fresh the outdoor air smells immediately after a thunder storm? It's partly due to the ozone generated by the lightning flashes—Nature's own deodorizer—that gives that fresh, pleasant sensation.

You can now have that same outdoor freshness indoors, too. A tiny new ozone-producing bulb gives you the same deodorizing effects in your home that nature supplies outdoors when ozone is generated by lightning flashes.

As suggested in the sketch above, this amazing little bulb, in one of several attractively styled wall fixtures, will freshen the air in living rooms, baths, kitchens, cellars and musty closets.

### How It Works

According to lamp specialists who developed the ozone lamp, ozone acts as a deodorizer, either by chemically changing the odorous substance or by making the odor less perceptible.

The new ozone bulb eliminates the necessity of liquids, scents or perfumes.

Simple to use, it is necessary only

to mount the fixture at least six-and-one-half feet above the floor or, in any position so that the eyes are shielded from the bulb.

The ozone lamp is inexpensive to operate. Burned continuously at average electric rates it will cost less than a penny a day.

Homemakers are also finding the ozone lamp already installed in many of the new automatic clothes dryers now on the market to give a sun dried, fresh air fragrance to laundered articles.

For the name of the manufacturer, address inquiry to Illinois REA News, Box 1180, Springfield, Ill.

## Truman Calls On 1st REA Phone

The first REA-financed telephone was put into service recently when President Truman called up a young Virginia couple and told them "your farm is only the first of hundreds and thousands of farms that will get telephone service through this REA program, which has already helped so many farmers get electricity."

The President said that this was a fine example of government cooperation with people and with small business. "It is one way of helping the rural people to provide themselves with the necessities they have been unable to get in the past," he declared, "and farm telephones are particularly important at a critical time like the present."

The call was made on the lines of the Fredericksburg and Wilderness Telephone Company of Chancellor, Va. Last April the rural phone company obtained a \$55,000 loan from REA to modernize and expand its system. The system formerly served 170 subscribers on nine lines. Plans are to serve 130 new subscribers.

REA Administrator Claude Wickard presented a certificate of quality service to the phone company. Wickard said that "a telephone on the farm is far more than a convenience; it is an absolute necessity." The REA administrator declared that with the exception of electric power good telephone service is the most important thing needed by the farmer.

# Your Co-op Newscolumn

## NEWS FROM Wayne-White

Fairfield, Ill.  
Owen J. Chaney, Mgr.

In case of trouble before 8:00 A. M. and after 5:00 P. M. call the following:

For White County call Norman Davis, Carmi, phone 2175. For Norris City and Hamilton County call Chalon Carter.

Phone 123 or Everett Phillips, Phone number 38J, Norris City. For Edwards County, call Wm. Bennett, Albion, Phone 217W. For Wayne County and edges of adjoining counties call Clloyd Musgrave 4294, Wm. Fleming 3261, Chas. Mann 7949 or Bernard Malone 7169 all of Fairfield.

November, what does it mean to the farmer? Harvest, Thanksgiving, election, hunting season, and winter is getting near.

For most of us the year's harvest will be completed during the month. On most farms the barns will be full of hay, the cribs full of corn, the cellars will be well stocked with fruit and vegetables and we will have money in our pockets from the sale of a good soy bean and wheat crop.

### BLESSINGS



Owen Chaney We have lots to be thankful for, not only on Thanksgiving day but every day.

And those long winter nights are not too bad. It gives us an opportunity to sit by a warm fire under a good electric light, to read a good farm magazine or to make plans for next year's farming program.

November is open season for most wild life. If you are a hunter, you will be out for quail, ducks and rabbits. Take your eyes off that insulator on your cooperative lines. It is a tempting target to some but when it is shot, not shot at, someone down the line is going to be without electricity. Don't waste your ammunition. Shoot only those things that are alive and are good to eat.

### ELECTION TIME

In November we will elect state and national representatives and some new county officers. Let us all go to the polls and vote, let us vote for the men who know the problems of the rural people and are in sympathy with them. Let us vote for the candidate who is co-op minded, and who will, at all times, defend rural electrification.

To do so, he must know what rural electrification means to the rural people of Illinois and the nation. He must know that farm cooperatives, especially rural electric cooperatives, have enemies who will do anything to defeat the program. And last but not least, be sure that he knows that cooperation is a democratic principle of a true Democracy.

### HOW IS YOUR SERVICE

Occasionally we ask a member how his service is and receive the reply "just fine" or "couldn't ask for better." A large percentage of the remarks, we hear, are complaints and it really is encouraging to hear some praise once in a while.

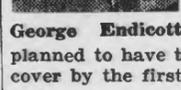
We usually complain when things are not top-notch and keep quiet when there is nothing to complain about. We are still getting complaints about low voltage. Often, when we investigate, the troubles are in the members' wiring systems. Too many of us are trying to get along on a 1937 wiring job even though we are riding in a 1950 automobile.

## NEWS FROM Southern Illinois

Dongola, Ill.  
George Endicott, Mgr.

Bids for the construction of your cooperative's headquarters building at Dongola were formally opened at the meeting of your board of directors on Thursday, September 14. The contracts were awarded to the lowest bidders and upon approval from the Rural Electrification Administration, the contracts were formally signed with the Edgar A. Stephens and Sons, Inc. of Cairo, for the general construction and with Cunningham Electric company of Anna, for the electrical section. Since then, we have received the final approval from REA on contracts.

The contractors expressed hope that the delivery of material will be available for construction to begin by the week of October 16. The contracts were signed for a five-month completion and it is planned to have the building under cover by the first of the year.



George Endicott

### NEW BUILDING PLANS

The new headquarters building will be built adjacent to the present office and warehouse on U. S. 51 directly across the highway from the Union County Locker plant north of Dongola.

The building will be a two-level building with the appearance of one level from the front (east) of the building. The building will be erected the shape of a printed "L" backwards, with the highway frontage or east side being 88 feet long. The north side, which will be parallel with the private drive and vertical to the highway, will be 114 feet long.

The location of the building makes it feasible for a two-level building. The lower level will be for storage and the construction or field personnel and the upper level will be for the general office itself. The office is arranged so that various departments will be broken up with their own individual or departmental offices. These offices accessible to one another as their various tasks overlap and are concerned with each other.

In back of the building there will be an employees' parking lot. The employees will enter the lower level and go up to the various offices and jobs without ever going through the front of the building. There will be a parking area and drive in front for visitors and business callers, other than delivery trucks which will go to the rear, the same as the employees.

In the upper level and on the south end there will be a community meeting room with a seating capacity of 175 which will be available for community meetings and demonstration. Arrangements for reservations can be made with the office. There will also be cooking facilities. This will permit the serving of dinners or luncheons at the various meetings, if desired.

There will be an intercommunication system between the offices, and remote radio units in the manager's and engineer's offices for the transmitting of radio messages to field units through the main unit in the cashier's office.

The building will be heated by electric radiant heat. The heat panels will be on the ceiling. The building will have thermopane glass which will serve as insulation for the radiant heat and also as air-conditioning in the summer. The building is also planned whereby a minimum amount of space will be air-conditioned for the comfort

of work and business during the summer months when an air-conditioning unit is installed. The building will be of brick construction. The brick will be semi-rough and buff color.

### REGION MEETING

Directors Ralph Bradley of Anna; Clyde Hogendobler of Villa Ridge; William Planert, of Unity; Manager George Endicott and Power Use Adviser Mel Wittenborn, attended the Region V meeting of your National Rural Electric Cooperative Association on September 18 and 19 at the Savary hotel in Des Moines, Iowa.

Included in the two-day program were: reports from the officers of the organization; addresses; and group discussions on important topics such as legislation, public relations, telephones, research, power use, and power and generation.

Clyde T. Ellis, executive manager of NRECA, gave a full and complete report. There were four other addresses by William C. Wise, assistant administrator of REA; Clark T. McWhorter, president of NRECA; Honorable William S. Beardsley, governor of Iowa; and Alan B. Kline, president of American Farm Bureau Federation. They all praised the past work of the electric cooperatives and encouraged them to complete the program in the near future.

### DRIVEWAYS

We are all pleased in reporting that your cooperative's driveways have been completed. It certainly improves the appearance and we know it will pay its cost by having a lower maintenance expense.

### TELEPHONES

The Dongola Civic club urged and called the stockholders and subscribers of the Dongola Home Mutual Telephone company and also invited interested persons to attend on September 26 a meeting to discuss the organization of an REA sponsored telephone cooperative in the Dongola area. The Civic club asked your Manager, George W. Endicott, to preside over the meeting.

Your manager opened the meeting by explaining your cooperative policy. It was explained that if your cooperative entered the telephone field that the system would eventually expect to serve 9,000 members, and that the phones would be of the dial type with a maximum of eight phones on a party line. Each phone exchange of the system would have a minimum of 500 and a maximum of 1,000 phones.

In regard to cost, it was explained that the shares of stock in the Dongola Home Mutual Telephone company would be exchanged share for share for stock in the new REA phone cooperative. Subscribers or phone users who are not now shareholders would be required to buy a share of stock in form of equity in the new co-op at \$25 a share. This would include the installation of a modern dial phone. Cost of service on a regular party line would be \$2.50 per month.

It was also pointed out that the electric co-op had plenty to do alone and that a phone co-op wouldn't be a money-making organization, but would be a non-profit and service organization as your electric cooperative. It is felt that the cheapest telephone service members could have, in rural areas especially, would be through a phone co-op.

That would be the only way everybody would have a chance to have such service, because the electric co-op's goal is area coverage, at cost, where everybody who wants telephone service can have it, at the same rates as anybody else in the organization, regardless of their remote location. As stated before, it is your organization, an organization where you and your neighbor and your neighbor's neighbor got together in a cooperative effort and manner to better your living and economic conditions.

### 4-H DRIVE

Your Office Manager, Tom Reeves, and power use adviser, have been helping your farm bureau and 4-H clubs with their camp pro-

grams. Your 4-H clubs have a million dollar program to build 4-H camps. The one for this district is located near West Frankfort.

All the camps' quotas in the state amount to about a million dollars and the quota has been divided among the counties. Union county's quota is \$4,000. To get this fund drive started, the leaders felt that the business men might want to show their interest in the project in the form of a small donation. Therefore, the business men in the county were counted on for \$1,100.

Tom and Mel were requested to see if the Dongola business men would be interested in donating \$120. In the past week during their spare time Tom and Mel have collected \$93. They have a few more to see. It is for a fine cause. The 4-H boys and girls, of course, are going to make up the balance of the \$4,000. The camp is really fine and helpful for the boys and girls.

Last summer your co-op, along with several other co-ops in the West Frankfort or southern Illinois area, offered the boys and girls an opportunity to carry out an electrical project at the camp. Between three and four hundred lamps were built at the summer camp at West Frankfort this year. Next year, your co-op plans on offering more electrical projects to help stimulate their interests in electricity and their co-op, of which they are the future members and owners.

### TRANSMISSION LINE

The transmission line construction has been progressing according to schedule. Approximately three-fourths of the poles have been set and framed and are ready for wire. The construction crews have not worked on this line during the past few weeks, due to the difficulty in securing the taller poles, necessary for road crossing, from the pole supplier.

The line completions have also been temporarily halted in several places due to right-of-way conflicts. Transmission lines are difficult to build and unfortunately they must be built according to engineering specifications. The line has been staked and laid out on the present right-of-way to best serve its purpose and to follow the engineering specifications.

It is hard to understand why people will refuse right-of-way to better their own service and especially when it could benefit so many other fellow members. This right-of-way trouble will hinder the purpose of the transmission line. It will slow up the progress to correct the low voltage conditions, due to the unanticipated use of electrical equipment that now exists in Massac county.

### DISTRIBUTION LINE

S section is now nearing completion so far as construction of new lines is concerned. However, the S section includes a considerable amount of reconversion of old lines. That is, rebuilding the small feeder lines to two and three phase lines with heavier conductors.

The construction crews are in the process of rebuilding old lines from the Pulaski substation on highway 51 east to Levings on highway 37, south of Grand Chain. Your cooperative is endeavoring to do this with the least possible interference to your service, however, some temporary outages will be experienced by the members along these lines due to this change.

### SECTION T

Work on the T section was originally planned to start about the first of the year, but work will probably begin on this section before the first of the year.

It is urged that members on the T section make arrangements to wire their premises in the near future. The staking of these extensions will depend entirely upon the members wiring, as staking and construction work will be started first to members who have their premises wired. A letter to these members will be sent out in the near future.

## NEWS FROM Western Illinois

Carthage, Ill.  
L. C. Marvel, Supt.

### Office Hours

8 a.m. to 5 p.m. through Friday.  
8 a.m. to 12 p.m. on Saturday.  
Telephone 84 - Carthage  
In case of interrupted service - outside of regular office hours, call one of the following numbers:  
Lee Leonard, Carthage - White 348  
Clarence Hutchins, Carthage - Blue 522  
Luther Bennett, Carthage - Black 416  
John Gerdes, Carthage - White 329  
L. C. Marvel, Manager, Carthage - White 277

We have completed installing our regulators in the northwest part of the project, and we are hoping the voltage condition in that area has been improved.

### SHOOTING DAMAGE

We would like to call to the attention of the members some damage that has been done to some of our equipment by someone shooting at our insulators and oil circuit breakers. We have discovered that two of our line protection equipment has been shot at, evidently with a rifle.

The office would appreciate it if every member would watch the lines to see if they can find out who has been doing the shooting, and if they know of anyone, committing this crime we would appreciate it if they would notify us.

If any of our members have boys with rifles they should caution them about shooting at our equipment and explain to them the trouble it not only causes your co-op, but the inconvenience that it

L. C. Marvel would cause you and your neighbors. It is very liable to cause interruption on your line for some time while it is being repaired.

### NEW LOAN

We have received notice of approval of our allocation of \$339,000 for line construction; member extension; improvement of lines; and one additional substation. We expect to receive our loan papers within a few days, which pertain to the final procedure of making the money available.

The information we have received from the material suppliers is that the material and equipment needed is getting very difficult to get, therefore, it is going to slow up our line extensions and improvements to quite some extent. However, we will endeavor to do the best we can as material becomes available.

### OFFICE NOTES

L. C. Marvel, and Lloyd Dickson attended the annual meetings of the cooperatives at Princeton, and Wilton Junction, Iowa; the past month Mr. Marvel attended the district managers meeting at Elizabeth.

Dave Welch, supervising engineer of the Stanley Engineering company, was on our project recently and completed the material invoice of our M section.

Joseph Montgomery, who has been with the co-op the last two years as groundman, was called up for his physical, but never returned to Carthage. The last heard from him was that he was on the west coast and was ready to be sent overseas. Another employee, Robert Smith was called up to report for his physical October 16, but at this writing we do not know what the outcome will be.

Ben Hughes, REA auditor, has been making the annual audit for the cooperative. Harry Clark, field audit supervisor, also spent a few days at the office.

## 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.

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

Dear fellow member: Each year in November a national holiday has been designated for the people of this nation so they can join together and give thanks for all the good things received during the year.

Our Pilgrim fathers originated this custom and it is well that we recognize it year after year. As members of our Illinois Valley Electric Cooperative we can be thankful for the foresight and perseverance of the pioneers who developed and built our rural electrification program.

In 1935 when the REA act became a law only 10 per cent of all farms in our nation had central station electricity. Today nearly 90 per cent of these same farms have electricity, only because of the aggressiveness and activity of REA leaders.

The reports presented at our 11th annual meeting by your officers and Manager Ruble indicate that our cooperative enjoyed a successful year, that it is financially sound, and that a constructive program is developing that will meet all necessary demands for adequate power for years to come.

We are proud of this record. I am thankful that as a fellow member and officer, I can bring you this information.

Now, as we move into another year of operation for our cooperative let us strive to make it a better one than the year just finished. Let's be thankful each day that we live in a land of free enterprise, opportunity and progress, and that the rural electrification program has made it possible for us to enjoy many conveniences, including labor saving appliances and equipment and good lighting. Cooperatively yours, Upton Craig, President.

The 11th annual meeting for members is now history. Those of you who failed to attend missed a most interesting session. The following news article which appeared in the September issue of the Bureau County Tribune contains a summary of what transpired at the meeting.



F. I. Ruble

### ANNUAL MEETING

"Three hundred fifty members, including their families and visitors, attended the Illinois Valley Electric Cooperative's 11th annual meeting held in the high school auditorium, Princeton, Tuesday, September 26.

"The program included reports by officers and Manager F. I. Ruble, an address by John E. TePoorten, Madison, Wis., and a short talk by Harold A. Whittle, regional head REA management division. Harold Whitman, regional director of the National Rural Electric Co-

operative Association, Washington, D. C., also was present and extended greetings from the national organization.

"The Princeton High School band presented a fine concert during the noon recess under the able direction of Leland Stamm. There were many deserving compliments from those present on the band's performance. The high school quartet directed by Miss Donnabelle Fry also contributed their share of music to add to the balanced musical program.

"The members voted to return the three directors to office, who were nominated to succeed themselves on the cooperative board of directors. Those elected each for a three-year term were: Upton Craig, Victoria; Mrs. Edith Kays, Ottawa; and Ray T. Snyder, Walnut.

"The board met for a reorganization meeting, following the close of the annual meeting, and Mr. Craig was elected president and Mrs. Kays, secretary. The other directors on the board include: Ray Jackson, Elmira, vice president; Mrs. Eileen Slingsby, Utica, treasurer; Mrs. Madge Nye, Putnam; Dawson Glenn, Magnolia; Asa Gorden, Cambridge; Dale T. Anderson, Galva, and Ray T. Snyder.

### SERVE LUNCH

"A delicious pot luck dinner was served at noon with the following members as Hostesses: Mrs. Carolyn Stroud and Mrs. Oscar Hulthen of Buda; Mrs. Howard Magnuson, Galva; Mrs. Gregg Magnuson, Victoria; Mrs. Axel Gustafson, Princeton; Mrs. Leslie Scott, Utica; and Mrs. Arthur Aubry, Utica. Home Ec. students supervised by Miss Frances Malisbury, home ec. instructor, assisted with the serving.

"Co-op members who officiated as ushers were: Howard Magnuson, Galva; John Slingsby and Leslie Scott, Utica. Guests included: President and Mrs. Lloyd Dickson and Lester Marvel, manager of the Western Illinois Electric Cooperative, Carthage; W. E. Murray, editor, Illinois REA News; President and Mrs. Gene Naffziger and Halsey Miles, farm adviser, Bureau County Farm Bureau, and Bill Kostellic, farm program director, radio station WLPO, LaSalle."

### PROGRAMS

With the opening of schools this fall there have been numerous invitations received by our "Program Service" section to furnish complete programs for community clubs and other organizations.

The program includes talks on History of Your Cooperative, Rural Electrification and relative topics by Manager F. I. Ruble and Fred E. Darr, public relations director; educational sound motion pictures on subjects relating to the use of electrical appliances and equipment, and other films of a general interest.

Recent programs presented include: P.T.A. meeting, Malden; Hopkins school P.T.A. near Princeton; Highland Community club, Princeton; Bureau township high school family night, Princeton; Mother's club, Ladd; Bureau Township Community club, Wyand; Women's club, Ohio; family night, Swedish Covenant church, Princeton... Rural Youth group, Cambridge; and Henning School Community club, Kewaunee. This group represents an estimated attendance of over 1000 members and others who were present.

Film and other material was supplied for 10 additional meetings including: Home Ec. class, Princeton High School; Home Ec. class, Cambridge; grade school, Ladd; high school, Malden; farm bureau, Princeton and Bureau County Supt. of Schools.

### MEMBER NEWS

Mrs. Eileen Slingsby, director, who lives north of Utica, has taken a very active part in organizing a cafeteria for students at the Marquette High School, Ottawa. Heading the committee, she has spent much time working with other committee members to get the cafeteria open in time for the school's opening.

Three hundred lunches are served each day at the school cafeteria. Mrs. Slingsby is also treasurer of the Mother's club of the Marquette High School. The school has an enrollment of 350 students.

## NEWS FROM Jo-Carroll

Charles C. Youtzy, Mgr.  
Elizabeth, Ill.

Telephone numbers for outage calls:

Office: Mondays thru Fridays, from 8 A. M. to 5 P. M. and Saturdays till noon Elizabeth 10.

Evenings, Sundays and Holidays: Linemen: Wand, Elizabeth 83R27; Smuck, Elizabeth 120R7; Ehrler, Elizabeth 51R10.

During the month of September, five of the 10 outages were individuals. The longest service interruptions we have suffered in some time were in October. On October 5, Dairyland Power Cooperative killed the transmission line from 1 p. m. to 3:10 p. m. for the purpose of changing out an air switch. They again killed the line on October 10 for a period of 12 minutes to do some switching.

Dairyland Power Cooperative informed us that this would be the last kill for some time. However, they had no control over the outage from 10 a. m. to 1 p. m. on October 11. A contractor working on a road near Boydtown, Wis. broke off a transmission pole which broke the wires. Service could not be restored to our system until the pole was reset and the wires spliced. We certainly hope that this will be the last transmission line outage for some time.

### MANAGERS' MEETING



Your cooperative was host to the managers of the northern division on the 11th of October. Four of the air-minded managers: Searls, Marvel, Groat, and Peyton, came via air, landing at the Savanna Airport, while Ruble and Bell, drove their respective cars.

### ANNUAL MEETING

Preliminary plans are underway for your cooperatives 11th annual meeting. The meeting will start at 10 a. m. when the early bird award will be made. Lunch will be served at noon and musical entertainment will be heard in the afternoon.

The election of three directors; reports of officers; and any other business to come before the members will be taken care of in the morning. The directors whose terms expire this year are: Clayton Dittmar; Earl Scribner; and Morris Birkbeck. The tentative time and place of the annual meeting is December 2, 1950 at Mt. Carroll.

### VISITORS

During the month the cooperative was visited by D. D. Mohler, Mr. Hall, and H. B. Lee of the engineering division of REA and Dean Coffman and E. C. Collier from the management division of REA.

### WHO'S WHO

Many of you probably know our three maintenance linemen at least by sight. These are the fellows who trudge around in the mud and snow and in the heat, wind and rain to restore service interruptions any hour of the day or night. All three are veterans of World War II.

Bob Wand is senior lineman. He was born in Woodbine and spent all of his life in and around Elizabeth, with the exception of 40 months when he was stationed at Nome, Alaska with the Army Air Force. Bob started working for your cooperative in 1940, operating the mobile generating plant. Later as the cooperative grew and a central power source was obtained, he was transferred to the maintenance crew.

He is quiet and has a pleasing personality and a marvelous disposition. He and his wife, Edith, make their home on a small farm on Highway 20, three miles east of Elizabeth on scenic Terrapin ridge. Alice (his Guernsey cow) gets much of his attention, and reading and tinkering with old cars consumes his leisure time.

Harry Ehrler came to work for your cooperative in January 1947, starting with the construction crew. He was born

in Woodbine and has lived in and around Elizabeth all his life. He was with the 1st division of the infantry in World War II, received his training at Camp Adair, Oregon and spent 20 months in the European theatre, receiving his discharge after three years in service.

Harry, wife, Paula, and daughter, Gloria, make their home on a farm three miles north of Elizabeth where he can indulge in his hobbies of coon hunting, fishing and trapping without fear of trespassing on anyone else's property.

He will work long hours without complaining. You will remember him as one of our linemen who narrowly escaped drowning while helping to repair flood damage on the transmission line in Wisconsin.

Ralph (Red) Smuck came to work as maintenance man in February 1947. He was born in Tockton, and spent several years in electric line construction in Wisconsin and Iowa before coming here to work. He spent four years in the army, receiving his training at Camp Crowder Missouri and was assigned to duty with the signal corp in Virginia and Massachusetts.

The traditional disposition of a redhead does not apply in Red's case. His leisure time is spent doing little "fix-it" jobs for his friends. He is very fond of fishing and hunting. For relaxation he cruises in his new Chevrolet Bel-Air, but not by himself, (redheads preferred).

We believe that our maintenance crew is second to none in their ability and willingness to restore service in the shortest possible time.

### OPERATING STATISTICS

Miles energized	664
Revenue per mile	\$17.78
Connected members	1551
Average KWH (farm)	203
Average bill (farm)	7.64
KWH sold	313714

## 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.

Region 5 of NRECA held its annual meeting in Des Moines, Iowa, September 18 and 19. Attending the meeting from your cooperative were: President Fred Harms; Director Otto Otten; and Manager Ralph White. Details of the meeting will appear elsewhere in this issue.

### LARGE POWER USER

The installation to the Varner Brothers, who own and operate a new ultra-modern motel near Litchfield, is one of the latest additions of large power users of your cooperative. Each room in the attractive motel is heated to the correct temperature with electric heat. A total of 42 radiant glass heating panels are used to produce the heat.

Each room has a separate thermostatic control, and each can also be operated from the main office. Each electric panel is rated at 1000 watts, and the time of operation of each unit is entirely dependent upon the thermostat setting and the temperatures.

Many members use electric heat as auxiliary heat, but as far as is known, this is the first member who has used electricity as the only method of heating. Several more members are interested in its possibilities, and perhaps someday



Ralph White

electric heat will be as commonplace as other fuels are today.

### FIRE PREVENTION

This column is being written during National Fire Prevention week. We should make every week fire prevention week in our homes and in our communities. Fires were never more expensive than they are today.

According to insurance experience, about one-fifth of the value of the farm is destroyed whenever a fire gets out of control on a farm. In some areas the average is even higher. A few minutes of your time, regularly, to inspect and correct fire hazards may save you as much as one-fifth the value of your farm.

Improper use of electricity and faulty wiring are often reported as the causes of fires. Improper use quite frequently stems from "inadequate wiring." It will pay to take a few minutes to check over your wiring in each of your buildings. Check fuse sizes also. Probably many members are using improper fuse sizes without realizing it.

### PROPER FUSES

In general we recommend the following fuse sizes for the home: 15-ampere fuses for lighting circuits; 20-ampere fuses for appliance circuits; 20-ampere fuses for water heaters; and 35-ampere fuses for electric range circuits.

Special circuits require special attention, and information on different size circuits for special application can be obtained from your cooperative office.

### MOTOR PROTECTION

Regular Edison base plug fuses are not recommended for motor circuits. Fusetrons, fusets, or magnetic circuit breakers are recommended to provide the needed protection for electric motors. The reason for this can be clearly understood.

Electric motors draw from 150 per cent to as much as 800 per cent full load running current when starting under a load. If a fuse is large enough to carry this excess current while starting, then the fuse is too large to protect the motor when running.

The previously mentioned devices will carry an overload for a few seconds before burning out or operating. Because of this time-lag-breaking-action, that is built into these safety devices, they are especially adaptable for motor protection, as the inrush of starting current of a motor is only of a few seconds duration.

### FIRE PROTECTION

All fires start as small fires. If a fire should get started on your farm, do you have water available to stop the fire from spreading? A pressure water system will pay for itself many times over if a spigot fitted for a hose is nearby and can be put into prompt service if a fire should happen to start. An adequate water supply under proper pressure is the best fire extinguisher for general farm purposes.

If a fire is started from faulty wiring or misuse of electricity, the faulty circuit should be killed before attempting to extinguish the blaze with water. Water is a conductor of electricity, and injury may result to the user if proper precautions are not taken.

With your water pump on a separate underground circuit all electrical circuits can be de-energized without turning off your pressure water supply. Ask your cooperative about connecting your water system up for the best in fire protection.

### PAY PROMPTLY

Each month there are some few members who wait for an estimated bill and then wait for the 10 per cent penalty date. If the reading is not in our office within 5 days, an estimated bill is made, if the payment is not received within 10 days, 10 per cent is added to the net bill. This is the policy that has been adopted by your cooperative and is strictly adhered to.

Estimated bills and penalties cause confusion and misunderstanding. For you to avoid the estimated bills and the 10 per cent additional cost, just read your meter on your meter reading date, send the reading and your remittance in promptly, and that's all there is to it. Thank you! For economical stock tank water heating—use electricity!

**NEWS FROM  
Southwestern  
Electric Co-op**

Greenville, Ill.  
V. C. Kallal, Manager

**TELEPHONE NUMBERS**

Bond County—Office, Greenville, Tel. 366. Office Hours: 8:00 A.M. to 5:00 P.M. except Sundays or Holidays. Before or after office hours, on Sundays, call: Paul G. Morgan, Greenville 796, or V. C. Kallal, Greenville 379.  
Fayette County—Maurice Ketten, St. Elmo 326.  
Madison County—Ed. Bernes, Edwardsville 1087.

This is being written on October 12, just one week before your annual meeting. By the time you read this in the Illinois REA News, many of you will have attended your 12th annual meeting. If the weather was as pleasant on the 19 as it was today, (Oct. 12) some of you will have been tempted to stay at home to harvest soy beans.

**THE FUTURE**

It must be a valuable asset to any one who can always envelop himself in an atmosphere of optimism. He must be what you would call a pretty big fellow, according to numerous standards of measurement. However, surely the optimistic businessman would be just a little perturbed or confused by the present condition of supply and demand.

Perhaps all of us will have just a little better picture of what the immediate future holds for us very soon, after the so-called first Tuesday. There must be volumes of rules and regulations on controls; priorities and other miscellaneous restrictions ready to descend upon us on a moment's notice.

You, as owners and operators of farms, which is today a business requiring a lot of skill, know what we are talking about in this article. Multiply many times the problems of operating your farms under present conditions and you have a faint idea of what is in store for your rural electric cooperative during the next two to five years.

Your cooperative was organized in March of 1939 and since that time, there has been less than five years when planning could be done with any degree of assurance. The preparedness program now outlined by our country is going to compete heavily for copper, hardware, and also the chemicals used in creosoting the poles which are used by your cooperative.

To say the least, the picture is all but a bright one. Nevertheless, it is the intent of your board of trustees to make the utmost of every possible opportunity to give you the best possible service under the circumstances.

**6000 CONNECTIONS**

At the end of September, your cooperative was serving 5,968 consumers and the 6,000 mark will be reached by the end of October. Going back, we found that 3,000 members were connected by January, 1946, 4,000 by April, 1948, and 5,000 by June, 1949. Thus, the first 3,000 were connected between April 13, 1940 and January, 1946 or during a period of about 70 months. The second 3,000 connections were connected in a period of about 57 months.

This is somewhat interesting, in view of the fact that at about the time that the cooperative was serving about 1,700 farms in December, 1940, there was very little interest in rural electrification. In fact there was a time in 1940 and 1941 when it was impossible to develop any sizeable areas.

It has been a different story, however, during the past three or four years. Your cooperative, during this time, has been flooded with applications for service and the past year has been no exception. Farmers living on so-called marginal farms are now interested in electric service. This is in-

deed encouraging and reflects a better rural economy.

Another reason, in addition to better farm prices, is better farm methods and soil-improvement practices which have taken many of the marginal farms out of that category. Of course, those of us interested in your cooperative are selfish enough to believe that the rural electrification program has been responsible for keeping a better type of farm operator in business and has made advantages, which are encouraging the renovation of run-down farms.

The rural electric service provided by your cooperative has therefore affected life in the rural areas in many ways. It surely has done a lot toward keeping young folks interested in farming on the farm. Many young folks are moving to a nearby abandoned farmstead and going into a partnership farming business with their parents.

**CONSTRUCTION**

Work on rehabilitation of the line in St. Jacob township in Madison county is progressing nicely at this time. Some work has been done also on the heavy feeder line extending northeasterly from Old Loogootee to St. James.

The shortage of copper conductors, which we had anticipated, became serious more quickly than we had estimated and it will be a vital factor in the rate of progress which is made from now on. In Bond county, work will be resumed in a few days on the extension of the feeder lines south of Greenville along Illinois Route 127.

All of this work is being rushed to completion to provide adequate service for the peak loads which are sure to come with the winter months.

**BROODER LAMPS**

A great many members have used the R-40 heat lamp for chick and pig brooders (that's the lamp with the built-in reflector). We are wondering just what you do with them the rest of the year.

They are just the thing to supply light and heat for a chilly job. Have you used them to warm you when sorting apples, or working at

the washing machine or in the milk house.

The heat from the bulb acts as a radiant heater. That is, it warms only the object right in front of it and not the air. It also stops when the switch is turned off.

Those of you who stopped at the tent at the Effingham County Fair know how good it felt on the chilly damp evenings to stand under the lamp we had there.

If you haven't tried one, screw a bulb in an outlet directed toward the area where you are cleaning the milk cans, or sorting grain or vegetables or similar jobs. It will make your work a lot more comfortable and probably increase your efficiency.

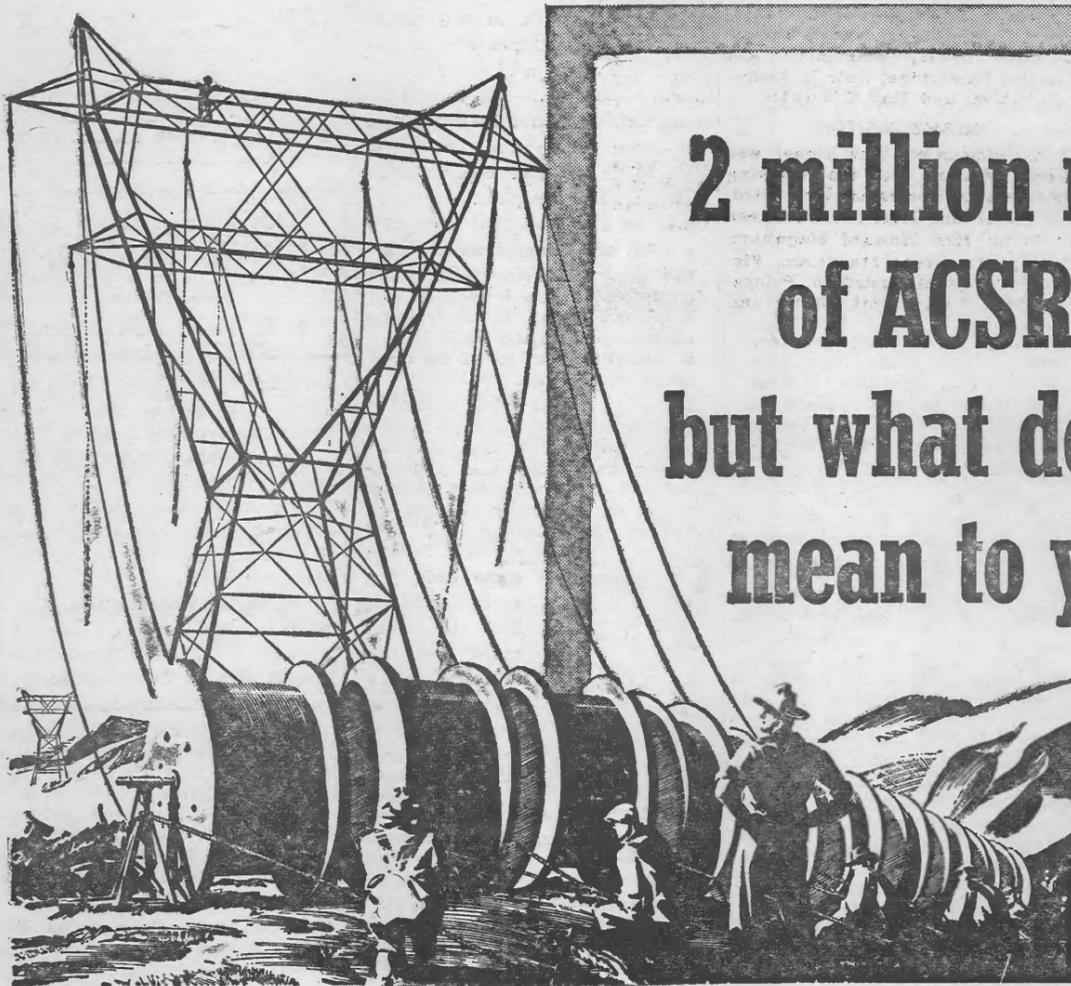
**APPLIANCES**

The following consumers have purchased ranges recently: Robert Burnside, Vandalia; Dean Hall, Vandalia; G. A. Figg, Mulberry Grove; Kenneth Robertson, Cowden; Harold Beckert, Smithboro; Mrs. Katie Sedlacek, Edwardsville; John P. Ohren, Pocahontas; Joe F. Krotz, Marine; Walter J. Miller, Farina; John J. Smith, Browns-

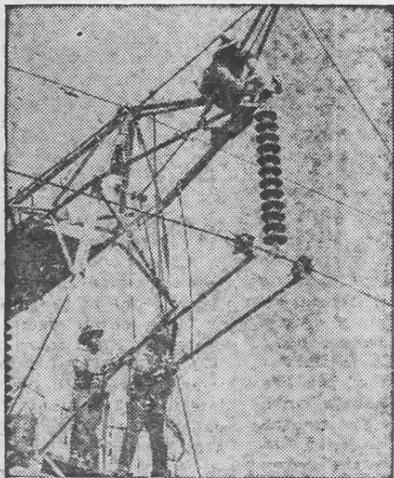
town; H. J. Finley, Keyesport; Wm. J. Schlautmann, O'Fallon; D. A. Lowry, Loogootee; Lowell Taylor, Edwardsville; Sunshine school, Ramsey; Liberty school, Ramsey; Mt. Carmel church, Carlyle; Lucain Schmidt, Moro; Church of God, Edwardsville; Luella Ritter, Vandalia; and Herman F. Smith, Vandalia. Elmer H. Pape, Edwardsville, now has a television set.

**OPERATING STATISTICS**

August, 1950	
Miles energized	1,954.67
Revenue per mile	\$23.90
Total connected members	5,937
Density per mile	3.06
Average bill	\$7.98
Average KWH used	236.75
Per cent minimum bills	13
KWH sold	1,378,342
August, 1949	
Miles energized	1,772.82
Revenue per mile	\$22.25
Total connected members	5,244
Density per mile	2.98
Average bill	\$7.74
Average KWH used	227.25
Per cent minimum bills	13
KWH sold	1,151,020



**2 million miles  
of ACSR...  
but what do they  
mean to you?**



Installing Alcoa Armor Rods with hot-line tools on a 220,000-volt line without interrupting service.

They mean that you get more than just cable when you buy from Alcoa—that you're tapping the world's greatest store of knowledge of ACSR problems. Think of this:

Alcoa made the first ACSR. Did the research that made possible mile-long spans. Developed the installation methods that made them practical. And today, Alcoa is pushing forward to gain more knowledge of conductor problems.

That means better service from your (transmission) lines, lower maintenance. It's your assurance that you're buying ACSR from those who can best help you solve your conductor problems. ALUMINUM COMPANY OF AMERICA, 1929L Gulf Building, Pittsburgh 19, Penna.

Armor rodding—now commonplace—was developed 25 years ago to prolong the life of overhead conductors. Alcoa Armor Rods reinforce cable in the vital few inches of greatest stress, dampen vibration, prevent fatigue rupture of strands. They are also used to repair conductors which have previously suffered damage from vibration, burning or abrasion.

**ALCOA** FIRST IN ALUMINUM... FOREMOST IN **A·C·S·R**

### 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, Hoopston, 943W.

Don Allison, Hoopston, 714M.  
Harold Turner, Cropsey, 56  
Virgil Farris, Watseka, 946W

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: Please note the change in telephone numbers above for our linemen at Hoopston. We suggest that you cut out the telephone numbers above and paste them near your telephone so that when you place a service call you can use one of these numbers, which will give you better service.



T. M. Brady

Since the writing of the last column for the Illinois REA news your manager was rushed to the Paxton Community hospital for an emergency major operation, and at the present time is recovering from his operation. He wishes to thank all of his friends who inquired about his illness, and also to the friends and members who sent flowers and cards. He certainly appreciated their interest in his recovery.

#### FIRE PREVENTION

Harry S. Truman, president of the United States declared that fire prevention week should be observed October 8 to 14. However, since that time has passed, we feel that it is still necessary to observe fire prevention week each week of the year. Farm losses amounted to \$95 million dollars in 1949.

Farm fires are often total losses. About one-fifth of the property value of the farms is destroyed, as an average, each time a farm fire gets out of hand—according to insurance experience. In some areas the average loss is much higher, and in big fires there is added loss of life and suffering from major burns.

We should be on the lookout for fire hazards 52 weeks out of the year and should watch for things that may cause farm fires. Be careful with kerosene; use only safety matches and keep them away from children; see that your chimney is in good repair. One load, even one forkfull of wet hay may cause a fire. Watch for heating for at least eight weeks. Do not move hay while hot without having fire-fighting equipment ready.

#### DO AND DON'TS

Check your wiring, watch for frayed insulation, loose or sagging wires. Carelessness causes 90% of our farm fires.

1. Don't smoke in the barn, in bed, or near flammable liquids.
2. Don't refuel tractor while engine is running or hot.
3. Don't use gasoline or kerosene to hasten fires.
4. Don't fail to inspect your electrical wiring often.
5. Don't operate or store your tractor in the barn.
6. Don't locate gasoline or fuel oil tanks close to buildings.

Remember—Gasoline vapors are highly explosive! And they settle to the ground where you cannot smell them.

Now is the time to also take stock of corn picker accidents, as most of the farmers will be picking

corn about this time. Please do not, under any circumstances, put your hands near the rollers while they are in operation. Many farmers were injured and killed last year for not observing this simple rule. Don't let this happen to you!

Another safety precaution since school started, is to slow down. Lots of children will be on the highways while you will be driving. During recess and noon there will be balls bouncing out on the roads, and every bouncing ball has a child chasing it. Please drive carefully where there are children.

### NEWS FROM Menard

Petersburg, Ill.

Howard O. Bell, Mgr.

#### BROKEN INSULATORS

On October 2, at about 8 p. m. one phase on our three-phase line, which serves the area from Andrew to New Berlin, was reported out of service. A crew went out immediately to locate the trouble and after five hours of walking and driving in the rain they found and repaired the trouble caused by a broken insulator.

#### TARGETS?

This line had been patrolled the previous week and this insulator was all right at that time. It points to one thing. That is, insulators on power and communication lines are still desirable targets for some riflemen. I cannot understand why, because it does not show skill in anyway. Anyone who cannot hit an object the size of an insulator would certainly be a hazard to be out hunting with.

The desire to shoot insulators must spring from the same source that prompts certain individuals to throw glass in swimming pools or roofing nails on pavement or put boulders on railroad tracks.

We have not been bothered with this type of vandalism for quite some time and had begun to feel that at last riflemen had begun to realize the important part these insulators played in the everyday life of the community. Yet it now appears that at least one individual either does not realize this or else is just naturally irresponsible.

To prevent this from happening we must rely on all of you members for help because the chance of our linemen catching anyone doing this is very small. As you know they travel in trucks which are plainly marked and anyone seeing them would naturally refrain from shooting insulators while in their presence.

Target shooting is a great sport and I do not feel that this damage is being done by persons who indulge in it. To become a good marksman requires a clear eye, a steady hand and a perfect coordination between eye and hand. Anyone possessing these qualifications is usually clear and steady in his conduct.

I do not feel that true hunters are at fault because a true hunter gets his biggest thrill from being able to approach within shooting distance of the game being hunted rather than to make the actual kill.

#### MEMBERS' SUPPORT

The only hope of successfully combatting this problem is for each member to realize that he or she is part owner of the lines and to insist that anyone using firearms near them exercise the same caution that would be required if they were near the home or livestock.

Should anyone accidentally break an insulator please let us know as it will help our linemen to make repairs before causing the inconvenience of an outage, when the location of the trouble is not known, before hand.

You members have overcome many difficulties in the past and have made your cooperative successful. I am sure that a word from you of caution or of advice to anyone suspected of breaking insulators will eventually help to eliminate this difficulty.

### NEWS FROM Southeastern

Harrisburg, Ill.

Thomas Clevenger, Mgr.

#### IMPORTANT PHONE NUMBERS TO REMEMBER

FROM 8:00 a. m. to 5:00 p. m., Mondays through Saturday, Call Harrisburg 1360 or 1361.

AFTER 5:00 p. m. call the following: Ridgway Area, Call Ridgway 33f21; Marion Area, Call Marion, County 5F4; Franklin County Area, Call Benton 768R; Johnson & Pope County Area, Call Golconda 162; Harrisburg Area, Call Harrisburg 1363 or 1239.

The AFTER 5:00 p. m. phone numbers are to be used only in case of emergency AFTER 5:00 p. m. During the 8:00 a. m. to 5. p. m., Monday through Saturday, call the Harrisburg office, 1360 or 1361 for anything you want, whether it is to report an outage or any other information you would want.

Some of the old timers may remember way back in the "Dark Ages" before REA, when it was considered that a farmer didn't rate electric power—and any farmer who thought that he did, either had more money than he knew what to do with, or didn't realize what he was asking for.

If he did have that kind of money, and insisted on having the luxury of electricity, the power companies were glad to help him spend it, assuming of course that he was in a stoney throw, or so, of an existing power line.

Then, if you remember, came the opportunity to organize your own electric distribution systems. Remember the difficulties you encountered in convincing enough farmers that it really was an opportunity and not just a wild dream? How

some of you early organizers had to work night and day in order to accomplish the required three members per mile average? when at times it seemed it would have been easier to have sold bathing suits to Eskimos than the co-op idea to your neighbors?

And remember the long wait for the contractor to build the line to your home—the newness and the pride you felt when at last you had electricity—and as time went by, the many unbelievable ways you learned to utilize your co-op power?

How much easier it made many farm tasks—and later, how easy it came to be expectant and dependent upon this servant—and during power failures, how you berated the co-op's maintenance crews. How difficult it is now to remember back when you didn't have electricity.

The younger generation, has never experienced farm life without it. Isn't it kind of easy to forget? And don't you think it helps a little to go back and recollect a bit? Kind of jog our memory a little lest we forget how hard we worked to obtain what we now have and by the same token, remember to protect and keep what is rightfully ours.

#### EMPLOYEE CHANGES

The cooperative has gained a new employee and lost an old one. The new employee is Carr Douglas Jr. Carr recently was graduated from the University of Illinois with a degree in business administration, and is employed in the cooperative's accounting department.

Bob Lands who had just got a good start on a system map for the co-op, was called back into the Army. We were sorry to see Bob leave, and we hope it won't be long until he can be back with us.

#### BILLING

The billing department is busy these days planning for the coming year and the new meter books. There are a few changes in next

year's forms, but not in the billing procedure.

By changing from the booklet form to a packet form, we were able to cut printing cost enough to pay for 12 envelopes with Southeastern Illinois Electric Cooperative printed on each. Your account number will also be printed on each of your self-billing slips. There will be some advance instructions in the December issue of the Southeastern Light.

The cooperative now has had approximately nine months experience in self-billing, and in view of the self-billing methods as put into practice in other parts of the state, we figured it would take at least a year to get the members used to self-billing and to get the accounts straightened out. As many of you know, our billing records are in better shape than they have ever been. This has been made possible through member cooperation.

#### OPERATING STATISTICS

Operating report for September, 1950.	
Distribution miles energized	2053
Transmission miles energized	18
Connected consumers	10,226
Average farm bill	\$4.90
Revenue per mile	\$2.36
Average KWH used (farm)	112
Density per mile	4.93

### NEWS FROM Edgar Electric

Paris, Illinois

J. E. Hardy, Manager

Mailing address: 219 N. Main St. Telephone: 85

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

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

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

Since the last newsletter, an employee of your cooperative had a very serious accident. Cliff McConchie, line foreman, received severe burns the afternoon of September 25. The burns were so severe to the left hand, that it was necessary to amputate part of the forearm and the hand.

Mr. McConchie is now on the road to recovery although he will remain in the hospital, due to the necessity of skin grafting. We expect you members will see Cliff around the office and out on the lines around the first of the year.

Again, on October 2, an employee of the Miller Construction Company had a very serious accident. Mr. Roberts was electrocuted. He was trying to set poles in an energized line. This line fed the northwestern part of Edgar and Douglas counties and the current had not been taken off of the line so that you people living in that community could have service one day longer without being interrupted.

We know that it is very inconvenient to you for the lines to be de-energized. It creates quite an expense to the cooperative. Also, the contractor cannot work the lines while they are hot.

J. E. Hardy We have had several complaints about the current being turned off.

We thought we had made it clear at our last annual meeting and through newsletters, that the lines would have to be de-energized to enable us to build these heavier lines. I believe the president of the board informed you members at our last annual meeting, that if this wasn't done, your voltage was going to be very, very poor.

So by a little bit of haste and doing something that should not be

done, and in order to keep the current on your lines just a little bit longer, two accidents happened. Was it worth it?

#### H SECTION

The contractor building the H section has run way behind on getting the job completed. He has had to take most of his men off of extension work and put them on reconversion work. It wouldn't do to build the extensions first, because we wouldn't have enough current for them to be tapped on our old system. Also, the material of the lines that he tears down, must be used again in the extension work.

So by the time you receive this copy of the Illinois REA News, so the contractor informs me, the reconversion work will all have been completed. A lot of the extensions will be completed, and things that have to be done over will have been done by the first of November. It is my understanding that he brought in another crew from Missouri to help get this job done.

#### NOTE

We wish to inform you members that Terry Clapp, the wiring inspector will be a new employee for the cooperative. His duties will be to inspect farmstead wiring, and to test and repair meters. Your cooperative will send Mr. Clapp away for a two-week's schooling in testing and repairing meters. We believe that this will work a lot better than having a lineman take time to do this work.

#### RESIGNING

Mrs. Mary Frances Land, our billing clerk, has tendered her resignation effective November 1. Mrs. Land came to work for your cooperative August, 1946, and it is with deep regret that Mary Frances has to give up her position.

#### NOTE

Your co-op board of directors has purchased a new sedan delivery truck for Mr. Clapp to use in carrying on his work.

Kenneth Childres has been appointed line foreman, a vacancy created by Mr. McConchie's injury. Mr. Childres has been with the co-op for 11 years.

Your co-op office has received several nice compliments from members living out on the lines where the voltage was very poor, but now it is very much improved. Your co-op office personnel and the board of directors are always glad to hear the good compliments along with the bad. Below is another letter which we received from a member which will explain itself.

Dear Sir: Sometime ago I wrote you about our radio, which was not working. A few days later, your men came and inspected the line. I don't know what they found but our radio sure is working fine now. We want to thank you for your prompt service. Yours truly, Mr. and Mrs. Harry Reynolds, R. R. 3, Marshall.

We would like to say to Mr. and Mrs. Reynolds, that we appreciate receiving this fine compliment. However, we don't know what Mr. McConchie found, but we are certain sure that he got it corrected as radio trouble is something very hard to correct. Sometimes we have so many different kinds of complaints, that we are unable to take care of them as promptly as we would like.

We were very sorry to hear that Mr. and Mrs. Russell Allen's house was destroyed by fire.

#### FAKE OUTAGES

Although Halloween will be over by the time you receive this newsletter, we are expecting a lot of calls, due to Halloween pranks. Last year, the youngsters opened the circuit reclosures under the meter on the meter poles. Since they did not have lights, and their neighbors did not have lights also, they supposed the line was dead.

Upon investigating, we discovered that the youngsters had discovered something new to do on Halloween. We probably should have had this in the last issue, so that you may be on guard, and know what to look for. But after thinking it over, it was decided that maybe the boys didn't know about this in all the communities and by reading the Illinois REA News, they would discover another prank to play on Halloween. The boys in Clark county got the idea first, but I guess after all, boys will be boys.



J. E. Hardy

### NEWS FROM Egyptian Co-op

Steeleville, Illinois  
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.

On October 10 the Murphysboro Daily Independent carried the following editorial:

#### ELECTRIFIED FARMS

"Illinois has more civilized farmers, if the use of modern appliances is any criterion, than any state in the country. That statement is based upon a report of the Rural Electrification Administration which lists 97.2 per cent of all Illinois farms as being wired for electrical power.

"Only 5,719 farms in the state lack electricity; most of these are located in remote areas. Since only 86.3 per cent of all farms in the country have electricity, Illinois outstrips the nation as a whole. This has been accomplished in the last 15 years; only 12.3 per cent of farms in the state were provided electric current when the REA was established.

"A direct result is an increased use of electric appliances in farm homes and barns. Farm wives, particularly, have welcomed electrification, for it permits them the use of the same labor-saving appliances that are accorded city housewives.



R. S. Holt

"Hard roads and modern automobiles have put Illinois farmers within easy reach of city shopping districts, and now the last 15 years have placed electricity in their farm homes. A result has been a unification of communities in the state, so that the once great distinction between 'rural' and 'urban' areas has been diminished.

"A result, too, is a change in the 'isolationist' attitude which once was attributed to the rural resident. He now can feel that he is a part of the community as a whole, for there are no longer any differences in living standards."

It is interesting to note that only 12 per cent of the farms of Illinois had electricity when REA was established. Today only three out of every 100 farms are still dependent upon the coal oil lamp and the bucket hanging in the well. Your own cooperative has less than 50 applications on file for service. This is an accomplishment of which every cooperative member should be very proud and should shout it to the high heavens. You can easily realize who is responsible for lights on the farm.

#### ELECTRIC RANGES

During the last month four electric ranges have been checked to see how many kilowatts they actually use. Earl Wayman, RFD 3, Murphysboro, has a family of three. In 15 days Mrs. Wayman used 33 kilowatts to do all her family cooking.

Mrs. Otis Reiman of RFD 4, Murphysboro, used 50 kilowatts in 15 days cooking for her family of three. Mrs. Clarence Baseden of RFD 1, Murphysboro, used only 58 kilowatts preparing meals for a family of five. Mrs. Louis DesRousse of St. Marys, Missouri, used 188 kilowatts for her family of 11, and by the way, the DesRousses eat home-made bread.

One of these members stated, "I thought the darn thing would use

twice that much." For several of you people who are not yet convinced of the economy of the electric range, these figures will be interesting. If you wish a 15-day trial check on a new electric range, please contact this office. I'm sure all of the above members are satisfied and happy.

#### RIGHT-OF-WAY

Would you believe that there are still a few people who would deny electric service to their neighbors by not granting the cooperative the right to set poles? It seems as though they have forgotten that the lines and poles that bring electricity to their farm had to cross many farms before it got to them.

It might be well to call to such member's attention that our by-laws contain the following section: Section 9, Easements For Cooperative Lines. "Members shall, without charge to the cooperative grant to it easements in a reasonable number over land owned by them for the transmission and distribution lines of the cooperative." In other words, failure to cooperate could result in disconnected service.

#### INTERRUPTIONS

In the next few months our crews will be installing circuit breakers and sectionalizers over the whole project. These devices greatly improve your service. However, the installation necessitates a short service interruption which, although annoying, really has to be.

Rephasing of the line in the DeSoto and southeast Carbondale area and other sections fed by the Carbondale substation will begin in a few days. This will also cause interruptions. But in line with our policy of the least inconvenience to our members, interruptions will only take place from 8:30 a.m. until 11 a.m. in the morning and from 1:30 p.m. until 4 p.m. in the afternoon.

Although this method of rephasing is expensive, the management feels that it is absolutely necessary. We wish to thank our membership in the Finney Yee neighborhood and in the Pinckneyville area for bearing with us during the interruptions caused by construction work from the Elkville substation to the Finney Yee.

#### BRUSH TRIMMING

The recently added brush trimming crew is seeking out the bad spots. They have been working for the past few weeks and it is our wish that by winter most of the troublesome trees and brush along the lines that could cause outages will be out of the way.

#### NEW APPLIANCES

Ranges: Jesse Morefield, Carbondale; V. R. Usrey, Coulterville; William D. Sullivan, Vergennes; Hillis L. Grimes, Jacob; Hilda Boedeker, Sparta; Lawrence Eppin, Cutler; Byron Maddox, Makanda; Carl Worthen, Murphysboro; Ross Robinson, Ava; Otis Reiman, Murphysboro; and W. H. Casten, Campbell Hill.

Water Systems: Yvo Rapp, Baldwin; Basel Smith, Cutler; Albert Froemling, Ava; Walter Schwartzkopf, Baldwin; Clarence Zoller, Vergennes; Russel Jones, Rockwood; Charles Parrish, Vergennes; Hilda Boedeker, Sparta; H. K. Higginson, Vergennes; Louis Schmidt, New Athens; and Grace Robinson, Murphysboro.

Refrigerators: Mervin Smith, Cutler; Wayne Cochran, De Soto; Alva Ruez, Evansville; Orlin Piper, DeSoto; Jim Watson, DeSoto; Isaac Hicks, DeSoto; Fred Rowan, Makanda; Henry Schwarz, Du Quoin; George Wilson, Steeleville; Carl Worthen, Murphysboro; Earl Rains, Pomona; Esther Mayer, Makanda; William Morber, Gorham; Charles Triplett, Carbondale; Sim Wolfe, Coulterville; and Arlen J. Junge, Baldwin.

#### OPERATING STATISTICS

1949 September	
Members connected	4090
Miles energized	1387
Average bill	\$5.51
Average KWH	122
Revenue per mile	17.14
Operating expense per mile	4.62
Density	2.9

1950 September	
Member connected	4336
Miles energized	1490
Average bill	\$6.35
Average KWH	157
Revenue per mile	18.51
Operating expense per mile	5.06
Density	2.9

### 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  
Carlinville 136  
Homer Virden, Carlinville 326-L  
John Scroggins

Carlinville 577-Y  
Aerio Salestri, Hillsboro Co. 2005  
Claude McAfee, Brighton 40  
Charles W. Witt, 803 Sumner St.

Jerseyville 296W  
Wayne Bandy, 830 School St.  
Hillsboro 830 KX

Delmar Miller, 324 West 1st South  
Carlinville  
Howard Bloomfield

Carlinville 1531L  
William Hensen,

Jerseyville 984W2  
James Hopper,

Carlinville 321X

If lineman does not answer and for any other business aside from trouble calls—Call A. C. Barnes, Carlineville 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

We reminded you last month in this column how important it is for you to attend your annual meeting. We still want to urge you to attend the meeting this year. The success of your cooperative depends on the loyalty of you members. Your way of showing this loyalty is by attending the annual meeting.

#### PROGRAM

The meeting will be called to order promptly at 10:30 a. m. at the Carlinville Community High School on Saturday, November 18. The morning session will be given over to the business affairs. There will be: the reading of the minutes of the last annual meeting, the president's address; report of the manager; and the election of trustees.

All of these affairs and reports are highly important to you. Don't let it be said that you do not enjoy reports and only come for the entertainment. This part of the program you will find as interesting and important to you as the afternoon session.

Lunch will be served at noon by the Home Economics club of the Carlinville Community High School. We had many fine comments on the hot lunch which this group of girls served last year and we are assured that they will give you another fine lunch this year. During the lunch hour the orchestra of the Carlinville Community High School under the direction of George Reid, music director of schools, will furnish the music.

The afternoon session will be given over to your entertainment. We have secured the mixed chorus of the Northwestern Unit High School at Palmyra to give a musical program. This chorus is composed of about 60 boys and girls under the direction of Eugene Frazier and Ferol Vaughn.

#### ENTERTAINMENT

The chorus has won much recognition in Macoupin county. It recently sang at the Macoupin county Teacher's Institute. We know that many of our members on the west side of the county will have children in this chorus and we hope it will be an added incentive for them to come to the meeting to hear their children sing.

The address of the meeting will be given by John Strohm, noted traveler and correspondent. He is now associate editor of Country Gentleman magazine. He has made several broadcasts from overseas for CBS and has written numerous articles for newspaper syndicates and national publications.

He has just returned from a trip

through the Far East visiting Japan, China, India, Siam, Malaya and other Communist-threatened countries in Asia. He talked with General McArthur in Japan, saw hand grenades thrown in Indo-China, visited India's hungry millions, saw Pakistan uneasily preparing for war, went on a jungle patrol for communists in the tiger infested jungles of Malaya and heard tales of starving millions from Chinese Missionaries.

He will show colored motion pictures of this recent trip as well as the last uncensored colored movies to be taken inside Russia. He scooped the newspaper world three years ago when he got behind the Iron Curtain, traveled unescorted about the country taking pictures. This will indeed be a timely address and to have it accompanied by colored movies will make it all the more interesting. You can't afford to miss this part of the program.

Numerous attendance awards will be presented at the close of the meeting. These awards will be distributed equally between the three counties, Macoupin, Jersey and Montgomery thus assuring you an equal chance with the county which might have the largest representation.

#### MEETING NOTICE

We assure you that if you will arrive promptly at 10:30 a.m. so we can begin the meeting that it will close not later than 4 p. m. We realize that the days are shorter in November and you will want to get home early so we have planned the program for each event to be scheduled at a certain time assuring you that we will not keep you late.

When you receive your notice of the meeting and report, you will find enclosed a return postcard which will not cost to mail. This card helps us to know how many reservations to make for lunch. We must know in advance and not later than November 14. So please return the card immediately stating how many reservations you desire.

We are counting on your attendance at this meeting. Help us make it a big day. Show your true cooperative spirit by attending the meeting, Saturday, November 18, 10:30 a. m., Carlinville Community High School, Carlinville.

#### SUBSTATION

Our new Jerseyville substation was energized Sept. 1. This substation will greatly improve the service in Jersey county.

We have experienced low voltage problems in the west part of Jersey county for the past two years. This voltage condition was caused by loss in voltage in transmitting power from the Brighton substation to the western part of Jersey county. Our new substation, located three miles south of Jerseyville, will reduce the loss by more than one-half.

We are also making plans to rebuild several of our main feeder lines in Jersey county. This work will be completed under the S allotment which will begin in the near future.

A regulator was installed at the new substation in order to give the members better regulated voltage. Since it is the function of the voltage at your service to push the current through your appliances, it is important that this voltage is kept as regular or as even as possible. This is accomplished by setting the regulator so as to hold down the voltage during the periods of light loads and likewise hold it up during periods of heavy loads.

The substation itself is designed to accommodate a bank of 1500 KVA transformer capacity and is insulated for either 33,000 volts or 69,000 volts.

#### NEW APPLIANCES

New Deep Freeze: Howard Springman, Fieldon.

Electric milker and separator: Marvell Mitchell, Palmyra.

Water Heaters: Henry Hoff, Fillmore; Robert Dunn, Jerseyville; Lee Best, Carlinville; Edwin Leaf-

ers, Carlinville; Andy Hohm, Palmyra; Sterling Allen, Carlinville; Peter Wittman, Godfrey; Roy French, Medora; J. H. Stampe, Shipman; and Russell Varner, Raymond.

### NEWS FROM Clay Electric Cooperative

Flora, Illinois

Elmo A. Cates, Mgr.

#### Telephone Numbers

Office (8 a. m. to 12 Noon — 1 p. m. to 5 p. m.)

Homes (Night or Sunday)

E. A. Cates ..... Flora 389J

James Erwin ..... Flora 312J

Henry Mix .... Flora Rural 8F31

In a short time you will be receiving a letter from your cooperative, which will contain information of value to you. First, a letter informing you of the amount of capital donated for the year 1949 and the amount of capital credit established to your account. This amount cannot be converted to cash until at least 40 per cent of your loan to the Rural Electrification Administration has been paid. Second, it will contain a complete copy of the by laws of your cooperative.

#### COOPERATIVE PERSONNEL

Those of you who pay your electric bill at the cooperative office have already noticed the changes made in the office personnel. Mrs. Pat Spangler resigned as bookkeeper and Mrs. Thelma Weiler agreed to accept the duties and responsibilities of this important position.

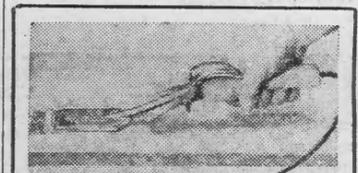
In the past she has been our billing clerk. We have employed Mrs. Betty Walker and Mrs. Lucille Thackrey to perform the duty of billing clerk and work order clerk.

#### APPLIANCE USERS

John McKmely, water heater; L. M. Ethington, water heater; Adam Buerster, range; Howard Colclasure, deep freeze; Delbert Weidner, range; F. P. Wattles, deep freeze; Clarence Haun, water heater; and Cyrus Liggett, refrigerator.

Jesse Eaton, water heater; Curt Warren, water heater and range; T. V. Howard, range; G. C. McKnelly, water heater; Marshall Jorgenson, water heater; William Grahm, deep freeze; Walter Koelm, range; and Harry Crouse, water heater.

Max Carrell, water heater; Walter Wendte, waterheater; Frank Bissey, deep freeze; Delbert Goodman, deep freeze; Leslie Beard, range; Charles Kuhlrig, waterheater; Fred Brink, water heater, range, deep freeze, refrigerator, sweeper, and others.



#### PEEL PAINT TO BARE WOOD WITH ONE EASY STROKE

NEW ELECTRICAL TOOL removes any number of coats of paint from any wood surface. The new "Lectro Paint Peeler" instantly softens paint electrically and peels it off the surface clean to the bare wood with little effort. Sturdily constructed to last for years. Sent complete with extra long, quality electrical cord and automatic safety stand attached for use in rest position. Simply plug into an A.C. or D.C. outlet—let heat for several minutes and remove paint to the bare wood. Complete tool approved by Underwriter's Laboratories. Full money back guarantee.

If your dealer cannot supply you, enclose \$4.95 in check, cash or money-order directly to:  
LECTRO WELD, INC., Dept. RE-11  
2189 W. 26th St., Cleveland 13, O.

### 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



# JUNIOR REA NEWS



## Pen Pals

Hi Pen Pals!

Here we are again, Pen Pals, and with a lot of catching up to do, because we missed last issue entirely. So, without saying more, let's get right into our letters for this month. Send your letters for the paper to Kay Conlan, Junior REA News, Box 1180, Springfield, Ill., and write to a few other Pen Pals on this page.

### FOURTH GRADER



I am a girl seven years old. I have blonde hair and brown eyes. I weigh 55 pounds. I have two sisters and two brothers. I am in the fourth grade at Cedar Bluff School. I will write to boys and girls under nine years old. — Jo Ann Lackey, Junction, Ill.

### A JULY BIRTHDAY

I am a girl 13 years old. I am about five feet tall and weigh 100 pounds. I have black hair and brown eyes. My birthday is July 14. My hobbies are listening to the radio, playing the piano and riding bikes. I would like all boys and girls to write to me who are 12 or older. Come on Pen Pals, I will be waiting—Phyllis J. Fulkerson, Springerton, Ill.

### CHEERLEADER



I have dark brown hair and dark brown eyes. I am five feet tall and weigh 90 pounds. My hobbies are cooking, sewing, cheerleading and going to church. I go to the East Fork School. Come on boys and girls and fill my mailbox. — Shelda Darlene Edwards, Coffeen, Ill.

### YOUNG SISTER

I am a girl 15 years old. I have blonde hair and brown eyes. I weigh about 105 pounds and I am about five feet tall. I have six sisters, 21 months, five, 10, 12, 17, and one 19 years old who is married. My hobbies are cooking, taking care of my baby sister and riding my bike. I would like to hear from boys and girls between the ages of 14 and 17. Come on Pen Pals and fill my mailbox. — Norma Jean Bray, Cobden, Ill.

### BLONDIE

I am a girl 11 years old and I have silky blonde hair and grey eyes. My birthday is July 20. I would like to hear from boys and girls my age. Come on kids and fill my mailbox. — Carolyn Sue Mann, R. R. 2, Equality, Ill.

### LIKES SPORTS



I am a girl 12 years old. I have blue eyes and brown hair. I am five feet four inches tall. My hobby is bicycle riding and I like all sports. I will answer all letters that I receive. I want to hear from both boys and girls between the ages of 11 and 16. Don't forget your picture. — Bernice Ann Fehrenbacher, Wakefield, Ill.

### FEEDS CHICKENS

I am a boy eight years old and my birthday is December 3. I have a dog named Birdie. I carry wood in for my mother and help her feed the chickens. I have two brothers and one sister. I like to fish. Come on Pen Pals write to me. — Gary W. Daily, R. R. 1, Dahlgren, Ill.

### SAVES PICTURES

I am five feet five inches tall. I have black hair, green eyes and a fair complexion. My hobbies are dancing, writing letters and saving pictures. I will exchange snaps. I have one older brother and one younger sister. I am 25 years old and my birthday is December 4. Write soon. — Betty McCulley, R. R. 1, Anna, Ill.

### ENJOYS RADIO



I am a girl 14 years old. I have light brown hair and brown eyes. I am four feet 11 inches tall. My birthday is April 9. My hobbies are listening to the radio, riding a bicycle and reading. I would like to have my mailbox filled with letters from boys and girls who are over 12 years old. — Delores York, R. R. 1, Enfield, Ill.

### NOVEMBER BIRTHDAY

I am a girl 11 years old and my birthday is November 28. I weigh 107 pounds and I am four feet eight inches tall. I have red hair and blue eyes. I have two brothers. I go to Sunday School every Sunday. My hobbies are riding the bicycle and singing. I will try to answer every letter. I would like boys and girls of every age to write to me. Come on Pen Pals and get busy. — Mary Lula Wyatt, R. R. 3, Louisville, Ill.

### WANTS TO FLY



I am a girl 14 years old and my birthday is December 5. My hair is light brown and my eyes are blue. I am five feet two inches tall and weigh 106 pounds. I am learning to play the piano but my ambition is to be a flyer. I hope to find my mailbox filled with letters and pictures. — Marilyn Kraft, La Harpe, Ill.

### PLAYS PIANO

I am a girl 16 years old. I have brown hair and brown eyes. I am five feet five inches tall and weigh 120 pounds. My birthday is February 6. My hobbies are writing letters, singing, playing the piano and horseback riding. I have three sisters and one brother. I would like to receive letters from both boys and girls about my age. I will answer all letters, so come on Pen Pals write. — Juanita Owrey, R. R. 2, Lorraine, Ill.

### COLLECTS BOOKS

I am a girl 11 years old. I have hazel eyes and light brown hair. I weigh 84 pounds and I am four feet eight inches tall. My birthday is January 20. My hobbies are playing my clarinet, collecting fuzzy-wuzzy books and riding my bicycle. I would like Pen Pals between the ages of 10 and 17, so come on Pen Pals and fill my mailbox. — Carolyn Sue Moomey, R. R. 1, Buffalo, Ill.

### BICYCLE RIDING



I am a girl 11 years old. I have brown hair and brown eyes. My birthday is February 22. My hobby is riding bicycles. I have five brothers and four sisters. I would like to hear from boys and girls. I will answer all letters. — Louise Huff, R. R. 1, Sheldon, Ill.

### TRADE PHOTOS

Since this is my first letter to the Junior REA News, I hope I get oodles of Pen Pals. I am a girl 16 years old and my birthday is January 25. I have brown hair and brown eyes. I weigh about 150 pounds. My hobbies are singing, writing letters and roller skating. I would like to hear from girls and boys between the ages of 16 and 21. I will trade photos so come on Pen Pals make my mailman work overtime. — Virginia Rasson, R. R. 1, Anna, Ill.

### PLAYS ORGAN

I am a girl 18 years old and my birthday is October 21. I have blue eyes and blonde hair. I go to the Thebes Township High School. I enjoy singing and all music. I play an organ, piano and a clarinet. I also enjoy working in the 4-H Clubs. I would like to hear from boys and girls between the ages of 17 and 21, so come on boys and girls please fill my mailbox. — Jeanie May McCrite, R. R. 1, Box 207, Tamm, Ill.

### MARCH BIRTHDAY

I am 13 years old and my birthday is March 24. I have brown eyes and brown hair. I would like girls between the ages of 12 and 14 to write to me. — Lula Belle Parrish, R. R. 1, Vergennes, Ill.

### DRESSES UP

I am 10 years old and in the sixth grade. My birthday is November 30. I have blonde hair and blue eyes. I have four brothers and five sisters. My hobby is dressing up in old clothes and playing with my niece, Myrna. I live on a 40 acre farm. I would like to have girls 10 or 11 years old write to me. — Sharon Kay Parrish, R. R. 1, Vergennes, Ill.

### A REDHEAD

I am a girl 10 years old and my birthday is December 21. Do I have a twin? I have red hair and green eyes. I weigh 80 pounds and I am four feet three inches tall. My hobbies are cooking and sewing. I belong to the Willing Workers 4-H Club. I would like to hear from boys and girls between the ages of 10 and 14. — Irene Auvil, R. R. 2, Geff, Ill.

### FEBRUARY BIRTHDAY

I am a girl nine years old. I have blue eyes and blonde hair. My birthday is February 15. I would like girls and boys to write to me. — Shirley Huff, R. R. 1, Sheldon, Ill.

### WRITING A HOBBY

I am a girl 14 years old. I have dark brown hair and brown eyes. I am five feet two inches tall and weigh 110 pounds. My one and only hobby is writing. Come Pen Pals and fill my mailbox. I would like to hear from boys and girls between the ages of 14 and 16. — Wilma Girtman, R. R. 2, Anna, Ill.

### LIKES SUNDAY SCHOOL

I am a girl 12 years old and my birthday is June 7. I weigh 78 pounds. I like to read, ride our horse and ride my bicycle. I go to Sunday School every Sunday. I mow lawn in the summer and save my money. I would like to hear from boys and girls between the ages of 10 and 12. We have a big mailbox so please write. — Betty Jordan, R. R. 1, Oblong, Ill.

### PLAYS 'SAX'



I am 13 years old and my birthday is October 8. I have two sisters and three brothers. I have brown hair and brown eyes. I am five feet four inches tall. My hobbies are roller skating, reading, playing my "sax" and collecting pictures. Come on Pen Pals keep me busy reading writing letters. — Laurella McDonald, R. R. 2, Box 48, St. Mary's, Mo.

### COLLECTS NAPKINS

I am a girl 11 years old and my birthday is March 5. I have red hair and blue eyes. I am four feet ten inches tall. My hobby is collecting napkins. I would like to hear from boys and girls between the ages of eight and 12. — Margaret Brammeier, Box 17, Oakdale, Ill.

### EIGHTH GRADER

I am a girl 12 years old. I have light brown hair and blue eyes. I am five feet three inches tall and I weigh 120 pounds. I am in the eighth grade at school. My hobbies are reading and fishing. I would like to hear from boys and girls of all ages. — Geraldine Johnson, R. R. 1, Anna, Ill.

### TWIRLS BATON



I am a girl 11 years old and my birthday is February 21. I have light blue hair and blue eyes. I live on a farm with my father and mother. I don't have any brothers or sisters. My hobbies are riding a bicycle and twirling a baton. My best subject in school is spelling. Come Pen Pals between the ages of nine and 13 and fill my mailbox. — Edna Ann Mighell, Box 26, Buncombe, Illinois.

### WESTERN MUSIC

I am a girl 16 and my birthday is March 4. I weigh 115 pounds and I am five feet tall. My hobby is collecting the words to western music. I go to the Rushville High School. I enjoy writing to girls and boys my age, so come on Pen Pals and write. I will be waiting to hear from you. — Marian Frances Derry, R. R. 3, Rushville, Ill.

### CAT 'SNOWBALL'

I am a girl seven years old and my birthday is April 11. I have three brothers. I have brown hair and brown eyes. I go to the Middle Creek School. I have a white cat named Snowball. Come on Pen Pals write to me. — Eunice Daily, R. R. 1, Dahlgren, Ill.

### SKATES

I am a girl nine year old and I have brown hair and brown eyes. My birthday is March 23. I am four feet seven inches tall and I weigh 95 pounds. My hobbies are skating and writing letters. I would like boys and girls of all ages to write to me. I promise to answer all letters. — Barbara Lou Yanakis, R. R. 2, Geff, Ill.

### COLLECTS PICTURES



Hello boys and girls! I am a girl 20 years old. I have brown hair and blue eyes. I am five feet two inches tall and weigh 115 pounds. My hobbies are collecting pictures from different cities and states, traveling and writing letters. Come on Pen Pals and let's get acquainted. I will answer all letters. — Louise Sullivan, R. R. 4, Metropolis, Ill.

### HAS A CAT

I am a girl nine years old and my birthday is February 5. I have a bicycle and a cat, Blackie. I weigh 68 pounds. Come on girls between the ages of eight and 14 and fill my mailbox. — Faye Baggett, R. R. 2, Cobden, Ill.

### LIKES TO FISH

I am a boy 11 years old. My hair is brown and my eyes are blue. My hobbies are fishing, riding bicycles and driving tractors. My favorite tractor is a John Deere. My best friend is Bobby Strow. I go to the Gones School. I would like to hear from boys and girls between the ages of 10 and 14. Come on Pen Pals and fill my mailbox. — Harry Clayton Sherrlot, R. R. 3, Chrisman, Ill.

### LIKES ANIMALS



I am a girl nine years old. I weigh 53 pounds and I am four feet three inches tall. My hobbies are playing with animals and horseback riding. Come on Pen Pals and fill my mailbox. — Alma Jean Jones, Belle Rive, Ill.

### DOG SHAKES HANDS

I am a girl 10 years old and my birthday is December 30. I have dark blonde hair and blue eyes. I weigh about 70 pounds and I am four feet six inches tall. I have three sisters and one brother. I have a dog who can shake hands. My favorite subject is arithmetic. I would like boys and girls between the ages of nine and 16 to write to me. — Vurble Lee Keelin, R. R. 4, Thompsonville, Ill.

### JUMPS ROPE



I am a girl eight years old. My hobbies are riding in a car and jumping rope. I would like all girls and boys to write to me, so come on Pen Pals and fill my mailbox. — Juanita Och-sner, Dallas City, Ill.

### STAMP COLLECTOR

I am a girl 12 years old and my birthday is March 31. I have brown hair and blue eyes. I weigh 110 pounds and I am five feet three inches tall. I have one sister. My hobbies are riding a bicycle and collecting postage stamps. I have a dog, Fluffy and a cat, Tommy. My favorite subject is arithmetic. I would like to hear from boys and girls between the ages of 12 and 18. Do I have a twin? Come boys and girls fill my mailbox and I will try to answer all letters. — Mary Lou Osman, Dongola, Ill.

### APRIL BIRTHDAY

I am a girl 12 years old and my birthday is April 19. The color of my hair is blonde and my eyes are dark brown. My hobby is embroidery. I would like to hear from boys and girls between the ages of 10 and 15. Come on Pen Pals and get those letters rolling. — Ruth Ella McCann, R. R. 1, Ewing, Ill.

### CLUB SECRETARY

I am a girl 13 years old and my birthday is October 16. I am about five feet tall and weigh 90 pounds. I have brown hair and blue eyes. Do I have a twin? I belong to a 4-H Club. I am the secretary. For my projects I am taking sewing and cake baking. I like to ride horses and cook. I would like to hear from girls of all ages. — Dixie Lee Davis, R. R. 1, Mt. Vernon, Ill.

### LIKES WESTERN MUSIC

I am 19 years old and my birthday is June 27. I am six feet six inches tall and weigh 220 pounds. I have brown hair and green eyes. I live on a 500 acre farm with my father, mother, brothers and sisters. My hobbies are collecting pictures and Pen Pal writing. I especially like western music. I would like to have some Pen Pals between the ages of 16 and 20. Let me hear from you. — Jack Dilley, Box 279, Trenton, Ill.

### ST. PATRICK'S BIRTHDAY

I am a girl 13 years old and my birthday is March 17. I have a bicycle and a dog. I am four feet nine inches tall and weigh 82 pounds. I like to play baseball and listen to the radio. I go to the San Jose Grade School. I would like to hear from all boys and girls. — Patty Hoffman, San Jose, Ill.

### RAISES RABBITS



I am a girl nine years old. I have blonde hair and blue eyes. My birthday is November 14. My hobbies are twirling a baton and raising rabbits. I would like for boys and girls to write to me. — Connie Sue Rich, R. R. 3, Carbon-dale, Ill.

### LIKES MOVIES

I am a girl 16 years old. I have brown hair and brown eyes. I am five feet two inches tall and weigh about 110 pounds. I live on a farm. My hobbies are reading and going to the movies. I would like to hear from boys and girls of all ages. I will answer all letters. — Mary Talbert, Elizabethtown, Ill.

### DRIVES TRACTOR

I am a boy 14 years old and my birthday is May 1. I weigh 150 pounds and I am six feet three inches tall. I have red hair and blue eyes. I have one sister and one brother. My hobbies are driving a tractor and playing softball. Hurry up boys and girls between the ages of 12 and 16 and fill my mailbox. — Curtis Lowell Neal, Belle Rive, Ill.

### MANY PETS

I am a boy 11 years old. I have reddish brown hair. My hobby is milking cows. I also like to ride horses. I have a calf, a dog, a cat and four kittens. I would like to hear from boys and girls between the ages of 10 and 14. — Charles Neal Furlow, R. R. 2, Box 4, Mulkeytown, Ill.

### BALL PLAYER



I am a girl 12 years old. I am five feet two inches tall. I have blonde hair and blue eyes. My birthday is January 11. Do I have a twin? My hobby is playing ball. Come on boys and girls please try to fill my mailbox. — Mary Lavinia Malone, e/o Jesse Murphy, 1002 W. Broadway, Johnston City, Ill.

### PLAYS BASEBALL

I am a girl 13 years old and my birthday is December 26. I am light brown hair and blue eyes. I am about five feet tall and weigh 87 pounds. I have one sister. I attend the Brookport High School. My hobbies are reading and playing baseball. I would like to be a Pen Pal so come on boys and girls and fill my mailbox. — Mardell Simpson, Hamlettsburg, Ill.

### RIDES A BIKE

I am a girl eight years old and my birthday is November 12. I have a dog named Butch. I am learning how to ride a bicycle. I would like to hear from all boys and girls my age. — Sharon Sue Dudley, R. R. 3, Mt. Vernon, Ill.

### DRIVES TRACTOR

I am a boy 10 years old. I have brown hair and blue eyes. I am four feet seven inches tall and weigh 70 pounds. My hobbies are riding a bicycle and playing the piano. I work during the summer months driving a tractor for my dad. I also raise rabbits for extra spending money. I have no brothers nor sisters so I am rather lonely, so come Pen Pals and let's write. — Ivan Dale Tate, R. R. 1, Raleigh, Ill.

### TWO BROTHERS

I am a girl nine years old and I have blonde hair and hazel eyes. I weigh 60 pounds. My birthday is December 26. I am in the fifth grade. I have two brothers, Billy, six and Jimmy, 15. My hobbies are playing the piano and riding a bicycle. I also like to play baseball. I go to the Ewing School. I would like to hear from boys and girls between the ages of eight and 12. Come on Pen Pals and let's write. — Judy Aiken, R. R. 1, Ewing, Ill.

### LIKES SCHOOL

I am a girl 12 years old. I have brown hair and brown eyes. I weigh 80 pounds. My birthday is April 16. My best hobby is just going to school. I have a brother and a sister both younger than I. I would like to hear from boys and girls of all ages. Come on and fill my mailbox. — Betty Lou Beasley, R. R. 2, Creal Springs, Ill.

### ENJOYS READING



I am a girl 10 years old and my birthday is November 3. I have brown hair and brown eyes. My hobby is reading, so try to fill my mailbox. — Betty Serles, R. R. 1, Thompsonville, Ill.

### COLLECTS PICTURES

I am 15 years old and my birthday is August 20. My hair is brown. I weigh 111 pounds and I am about five feet tall. My hobbies are riding a bicycle and driving a tractor. I am starting to collect pictures of movie stars and also pictures of my new Pen Pals so send your photo along with your letter. I have one little brother, David, two; and four sisters, Wilma, 13, Donna Mae, 10, Janet, seven and Jeanne Rae, three. I would like boys and girls to write between the ages of 14 and 20. I attend the Bluff City School. — Shirley Adele Lofland, R. R. 1, Vandalia, Ill.

### AUGUST BIRTHDAY

I am a girl 12 years old and my birthday is August 4. I am four feet nine inches tall. I have blonde hair and brown eyes. I weigh 72 pounds. My hobbies are riding bicycle and playing ball. I live on a farm. Come on Pen Pals and fill my mailbox. I will try to answer all letters. — Ethel Lynn Willoughby, R. R. 5, Centralia, Ill.

### INDIAN BEADS



I am a girl 11 years old and my birthday is October 26. I weigh 54 pounds and I am four feet two inches tall. I have brown hair and brown eyes. My hobbies are arithmetic, playing with dolls, and collecting Indian beads. I have one sister, Phyllis June and one brother, Cecil Wayne. I would like boys and girls between the ages of nine to 15 to write to me. — Linda Lou Blankenship, Mulberry Grove, Ill.

### NOVEMBER BIRTHDAY

I go to the Ritchie School and my favorite subject is reading. I am four feet five inches tall and weigh 64 pounds. I am 10 years old and my birthday is November 5. I have five sisters. My hobbies are reading and riding bicycle. I have two dogs, Boots and Lassie. I live on a farm. I would like for boys and girls between the ages of nine and 15 to write to me. — Janet Louise Hughes, R. R. 3, Litchfield, Ill.

### AUGUST BIRTHDAY



My name is Shirley Ann Butcher. I have brown eyes and brown hair. I am 15 years old and my birthday is August 15. I would like both boys and girls to write. I have one sister, Delores. My picture was taken at Acme School. — Shirley Edwards, R. R. 4, Edwardsville, Ill.

### ROLLER SKATES

I am a girl 16 years old. I have light brown hair and blue eyes. I am five feet six inches tall and I weigh 116 pounds. My hobby is roller skating. I have one brother and two sisters. I would like to hear from girls and boys between the ages of 14 and 18. Come on and fill my mailbox. — Joann Temple, R. R. 1, Harrisburg, Ill.

# Farming News Notes

## MORTGAGES

Financial experts are beginning to believe that many farmers are mortgaging debt-free land to buy more. Farm mortgages held by life insurance companies are about twenty per cent ahead of last year. Mortgages on high-priced land was a major contributory factor in the 1929 depression.

## SOCIAL SECURITY

Broadened social security coverages created by the last Congress become effective January 1, 1951, and includes regularly employed farm workers. To be classified as regularly employed, the farm worker must work for the same employer on a full time basis for 60 days (whether or not consecutive) during a calendar quarter.

The farm worker will be covered by the act if he earns a minimum of \$50 cash during a calendar quarter, regardless of what he actually gets for his pay for that quarter, and if he is regularly employed. Farmers, as self-employed persons, are exempted from the present program.

## SUNFLOWERS

Extensive tests now being conducted by the agricultural engineers at the University of Illinois may aid in bringing sunflower seed into the class of a major Illinois farm product. Current tests are on a new harvesting machine. The machine is the result of three years' experimental work.

Sunflower seed has a considerable higher oil content than soybeans and sunflower seed meal is considered superior to soybean meal in some respects.

## SOIL SICKNESS

A petroleum chemical applied to the ground in liquid form is being advanced as a method to wipe out "soil sickness" caused by eel-worms. The exact composition of the chemical is varied according to soil and temperature conditions.

## DRAFTEES

Continued reports indicate that city boys are physically healthier than country boys. Indications are also showing that educational standards of city boys run higher than those from rural areas. These facts, revealed by selective service examiners, offer a challenge to those interested in rural life.

## PRICES

Continued military spending, expansion of armed forces, aid to rehabilitate worn-torn areas are all indications of firm prices. Credit controls, in spite of increased payroll deductions, mean more money released for foods.

## CRITICAL MATERIALS

November and December will see a number of critical materials controlled. Copper

heads this list with rubber and allocation of special steels following. Farm machinery and farm machinery replacement parts will be given high priorities.

## POWER

Government warnings to utilities that more power must be produced may foreshadow increased expansion of public power. The same warning has stimulated steel production to a new high.

The attempt to maintain a reasonable production of civilian goods and at the same time remain on a semi-war economy necessitates general increase in production in many lines.

## AIR IN CONCRETE

The Bureau of Standards has found a way to substitute air bubbles in sand for concrete used in farm building construction. Air not only replaces the sand, but makes the concrete lighter in weight, more resistant to water infiltration, and a better insulator against heat and cold. The cement, tested in the walls and roofs of farm buildings, is mixed in the normal way except that an industrial aerating agent or detergent is added to make the mix form and become porous.

## FROM USDA

The number of cattle on feed as of October 1 in Illinois was about one-fifth greater than on the same date one year ago. The increase is due to high level of feeding during the past season and to a relatively longer feeding period for cattle.

Research is setting up new rules for success with pastures and results pay profitable returns in livestock gains. Many recent experiments demonstrate that improved pastures produce as much livestock feed per acre on comparable land as high yielding corn crops and considerably more than other grain feed crops. Returns from pastures per man hour of labor are strikingly higher than for other cultivated crops — six times more than from corn, nine times more than from oats, and nearly 10 times more than from barley.

Plant scientists report slow but significant progress being made toward the production of natural rubber from the Guayule rubber plant in the U. S. New strains yield from 25 per cent to 40 per cent more than the best plants grown during World War II.

Credit controls affecting loans for farm houses made by FHA have been announced. Where credit is needed for constructing or repairing a farm house exceeds \$2,500, a loan may not be made for full amount, and maximum repayment period will be shortened.

All new applications are subject to the new regulations.

Wages for hired farm workers averaged 59 cents per hour this Fall. This is 2 cents higher than in 1949. A million less workers are on farms than a year ago. New methods of harvesting cotton, the staggering of seasonal workers and the weather were factors in lessening the demand for farm workers.

## FROM U OF I

Drying of shelled corn is increasing on Illinois farms. Shelled corn takes only one-half the space of ear corn.

To avoid corn picker accident, never touch the picker while it is running. Always shut it off first. Last year 10 men were killed, 75 injured permanently and 85 suffered temporary disability in corn-picker accidents.

As result of legislation in the 1949 general assembly, Illinois dogs are evidently no longer "entitled to one bite" before their owners are held liable. The law also says ownership means "harboring or keeping" the dog. This makes it impossible for an "owner" to escape liability by claiming the dog is a stray with no license.

## DID YOU KNOW

In dairy barns, floor space for the bedding area should be at least 60 square feet per cow.

Kerosene, distillate, fuel oils and furnace oils used as tractor antifreeze solutions may cause rapid deterioration of rubber hoses and gaskets if the engine overheats.

When laying galvanized roofing sheets, start at the end of the building away from the direction of the prevailing winds so that snow, wind, and rain will blow over the laps instead of under them.

Sweet clover poisoning can be caused by feeding cattle moldy sweet clover hay or silage.

There are over a million home freezer units in Illinois.

Illinois law provides that the owner of a hedge division fence must trim it to four feet in its eighth year.

## Visitors To State Office

- September 15-October 15  
H. W. Honefenger, Elliot Company.  
Delbert McGee, Dongola.  
Mrs. George Grinner, Mason City.  
L. M. Beaver, Menard Electric Cooperative.  
Carl A. Mitchell, Norris Electric Cooperative.  
Preston F. Ryan, Wagner Electric Corporation.  
Carlton C. Nau, American Public Power Association.  
A. M. Frost, Springfield City Water, Light and Power.  
Glenn E. Strong, safety instructor.  
Howard Hough, Collinsville.  
Mr. and Mrs. C. M. Douglas, Monroe County Electric Cooperative.  
Mrs. John Sargent, Rushville.  
Mrs. H. A. Plott, Dongola.

## NEWS FROM McDonough Power

Macomb, Ill.  
Arthur H. Peyton, Mgr.

At the last regular meeting of the board of directors on September 25, a decision was made to change the regular meeting date of the board of directors to the first Monday in each month. This change was necessary in order to have sufficient time to close the books and prepare the financial statement and other pertinent matters for the board to review.

Therefore, anytime in the future when our members desire to contact the board of directors, they should make known this desire to the office in sufficient time so that time may be allocated to them on the first Monday of the month for a conference with the board.

**KEY, FOUND**  
Sometime recently one of our members, while in the office, lost a key on the floor. This key is a Korbin key and the number on the back of it is EA1321505. If the member, who lost the key, will contact the office and make suitable identification of this particular article, he may claim it.

## NEW POWER CONNECT

The cooperative has now completed a feeder line west and south of Fandon to connect the Ohio Oil Company's Hendricks plant. The Hendricks plant has an initial load of 175 horse power which will operate 24 hours a day.

The cooperative has revamped the three-phase primary feeder line into this area which will materially help to improve the continuity of service and voltage regulation in the entire area.

Some of our members in that area, during the week of October 9, were put to a great deal



Arthur Peyton

of inconvenience by the necessity of de-energizing some of the lines, while this new heavy feeder was being strung. However, that particular phase of work has now been completed and we feel confident that the interruptions in the future will be held at the very minimum.

If any member, living in that area has questions or complaints to make contact the office, and we will endeavor to make the necessary explanations to him. We do appreciate his kindness and tolerance in working with the cooperative crews while this work was in progress.

## '66' PROGRAM AWARD

As you have all read in the October issue of Watts-New, we have continued this '66' plan in another form to give all members, who did not attend the annual meeting, an opportunity to express their opinions. You may still enter by obtaining the entry blank from your Watts-New on page 7 and following carefully the rules that are outlined in the lower left hand corner of that page. So, plan on entering by filling in the questionnaire on Page 7 of the October issue of Watts-New.

## CAPITAL CREDITS

Many of our members by this time, have received their postal card notice of the allocation of capital credits for the year of 1949. On page 8 of our October issue of Watts-New, we made a detailed explanation of this capital credits card and what each item represented. Please refer to your Watts-New for this important discussion.

This is merely a credit on the cooperative's books to your account and should not be confused with your current light bill. You are not to make payment of the amount indicated under "Total Credit to Date," nor are you to take credit for that amount against your current bill.

## BLACKTOP DRIVES

During the past month another improvement has been added to the headquarters. Blacktopping was used on the front circle drive and on the court area in back of the office. This prevents dust, due to excessive travel; eliminates mud, and the constant replacing of crushed rock each year.

## RURAL EXCHANGE

Rates Below For  
CO-OP MEMBERS ONLY!

Tear Off and Mail Promptly

USE THIS HANDY FORM  
PLEASE PRINT CAREFULLY

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	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 Rate.)

Tear Off and Mail Promptly

# RURAL EXCHANGE

Reaching Over 325,000 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.

## ● Building Supplies

**CONCRETE BLOCK** machines, vibrator, complete with motor, blocks. 8x16, \$148. B. J. Schleper, Albers, Ill.

## ● Buyers

**GOLD COINS** wanted, also old silver and old copper coins. Send list for best offer. Wm. M. Leppard, 1505 Candler Bldg., Atlanta 3, Georgia.

**WANTED: OLD** colts, modern military rifles, odd firearms, parts, accessories. Describe fully. Gerson, Box 9355, Philadelphia 39, Penn.

**HIGHEST PRICES** paid for old gold, silver, platinum, diamonds, watches, gold teeth, spectacles. Cash immediately. Goods returned if offer unsatisfactory. Government licensed. United Smelting Works, (The Old Reliable), 39-P, South State, Chicago, Ill.

**WANTED — PRODUCING** and non-producing oil royalty. Mail full details, accurate land description, and price to: Box 381, Centralia, Illinois.

**HIGHEST CASH PAID** for old, broken jewelry, gold teeth, watches, silverware, diamonds, spectacles. FREE information. Satisfaction guaranteed. Government licensed. Rose Smelting Company, 29-FA East Madison, Chicago, Illinois.

## ● Dairy Equipment

**MILK COOLERS**—The Twincool Aerator Milk Cooler strains, cools and stores milk direct from cow over its stainless steel cooling surfaces. The aeration of milk to 50 degrees or lower instantly checks the growth of bacteria and allows the milk to be shipped immediately after milking. "Eliminate lifting those heavy 10 gallon cans by installing the cooler that's dry, fast and built to last." The Twincool's twin cold walls give instantly cooled milk as demanded by today's modern dairy farmers in producing Grade A milk. Designed and manufactured by Richardson Manufacturing Company, Washington Park Garden, Springfield, Illinois.

## ● Farms, Real Estate

**80 A. TILLABLE** in northern Shelby Co. Good road, REA, telephone. Good improvements. Black soil. Possession, March 1, 1951. Good terms. Other farms large and small. Strout Realty, Holiday, Ill.

**FOR SALE:** Ninety acres unimproved timber land five miles east of Peoria, Illinois, including lot in a building subdivision. City water, electricity, and telephone available. S. R. Crosby, Green Valley, Illinois.

**LAND SEEKERS** — Get all the facts on the Columbia Basin. Send \$1.00 for information booklet with map and pictures to Pat Quealey, Box 107, Wallace, Idaho.

**CHEAP FARMS,** homes in beautiful fertile, healthful Ozarks. Wonderful, free stock range. Free land lists, literature. Write Barnsley, Clarksville, Arkansas.

**FOR SALE,** 20 large size Pope county stock-grain farms. Thirty, \$80 an acre. Half cash. Ten oil fluspar prospects. Thomas Cullum, owner. Golconda, Illinois.

**TAX-FREE** lots near school \$100 each; growing city; electricity, city water available. Write: The Orange Man, Pomona Park, Florida.

## ● Farm Machinery & Equipment

**POSTHOLE DIGGER,** the modern "Rapidigger" for Ford-Ferguson tractors. Revolutionary invention. Write for information. Rapidigger, 2433 11th Avenue South, Minneapolis, Minn.

**FOR SALE:** 1948 Ford Tractor, cult., plow, belt pulley, stick \$1300. John Deere 1 row semi-mounted, 4 years, \$400.00. G. L. — two row mounted for M. 1948, \$300.00. Oliver two row, 1947, \$700.00; New Idea two row, 1947, \$700.00. No. 24 I. H. mounted \$750.00. No. 22 mounted for F-20, \$100.00. New 24's and 2 M's. Becker Sales & Service, Mason City, Ill.

**BUILD YOUR** own power mower. Spindle equipped with Timken bearings, 19 inch spring steel blade, \$11.95. 10 x 1.75 tire and wheel, ball bearings, \$1.75 each. Unit of spindle, blade and (4) wheels, \$17.95. "Hawkeye" rubber husking rollers with replaceable rubber sleeves for all makes of corn pickers, \$8.45 to \$15.10. Garvey Mfg. Co., South Sioux City, Nebr.

**NEW STEEL** channels, 1 1/2" wide, 3/8" flange, 3/8" thick, 12 feet long: Painted green, many uses, fence posts, window guards, structural; excellent condition; \$0.5 lb. f.o.b. Chicago, Ill. 35 ton available; inspection invited: Otis-Oakley Iron & Supply Co., 2940 W. Carroll Ave., Chicago, Ill., Sa 2-5655.

**GARDEN TRACTORS**—\$127.00. "McLean" cultivation—plowing—sickle mowing—lawn mowing. Write. Universal Mfg. Co., 324 West Tenth Street, Indianapolis, Indiana.

**FOR SHOP** machinery and motors such as lathes, drills, mills, write Steege Machinery Co., 2T So. Jefferson St., Chicago, Illinois.

**BOOMS WAGON** Unloaders have anchored hook-up, two speeds, steel gears and castings, heavy duty double tube roller units. Send for free literature and dealers name. Booms Silo Co., Harbor Beach, Michigan.

**DISSTON CHAIN** saw prices slashed \$100; parts and service; good used saws: Write for folder No. R., St. Louis Sport Sales, 2904 Olive, St. Louis, Mo., LU-7100.

**FORAGE RACKS** and wagon unloaders. Buy direct from factory at great savings. For full information write to Forage Master Mfg. Co., Dept. 2. Allenton, Wis.

**T. H. JOHNSON & SON,** McCormick-Deering farm equipment. See our complete line of appliances, Route 29, West Taylorville, Illinois.

## ● Flowers

**AFRICAN VIOLET** leaves — new varieties, Lady Geneva, Red King, Violet Beauty, Double Light Blue, Waterlily, Old Lace, Red Spohn, Red Amazon. Leaves 35 cents each. Postage 25 cents per order. Send stamp for complete list. Bernice B. Stanhope, Dundee, New York.

**FREE CACTI** — three different rare flowering cacti, including beautiful Mexican Golden Ball. Send 25c mailing charges. Aunt Reddy, Edinburg, Texas.

## ● Food Freezers

**FOOD FREEZERS** for less when you buy direct from factory. Get more for your money—direct from manufacturer to you. Save up to \$275.00. Sturdily built and finished in DuPont Delux: baked-on enamel. Five inch fiberglass insulation. All units carry five year warranty. Price f.o.b. factory (uncreated) 15 cubic ft. \$299.50; 22 cubic ft. \$399.50. These modern streamlined freezers can be seen in production at the factory to convince you of their superior quality and construction. Richardson Manufacturing Company, Washington Park Gardens, Springfield, Illinois.

## ● Livestock

**HIGH PRODUCING** long deep bodied Hampshire boars and unrelated gilts, popular bloodlines, immuned. 1 1/2 miles east Alhambra, Ill., Harlan Lebeque.

**REGISTERED HAMPSHIREs,** prize winners, ribbon for every hog, Texas State Fair. Service boars, bred gilts, weaned pigs. Farmer prices. Webster Farms, Terrell, Texas.

**ANGUS BULLS.** Good selection including choice herd bull prospects by Eileenmere of Maplemere 12th. Reasonable. A. C. Lincoln & Son, Wyoming, Iowa.

**FOR SALE:** Registered polled milking shorthorn bulls from 2 to 10 months of age, one horned and one bred heifer. Louis E. Klindworth, R. 4, Pana, Ill., 2 miles north and 1/4 mile east of Ohlman.

**YORKSHIREs,** TWO spring boars. 200 pounds. Champion bloodline. Sell, or trade. Correspondence invited. Charles Waggoner, Macedonia, Ill.

**BARGAINS IN** registered Jersey bulls and bull calves. Bred for type and production. Satisfaction always guaranteed. Free list. Ennis Farm, Festus, Missouri.

**LARGE BLACK** chore horse, work single or double harness, shafts with hounds for two horse wagon. Gift price. F. A. Wilson, Farmersville, Illinois.

**REGISTERED HOLSTEIN** bulls, 6 to 12 mos. of age. Carnation Ormsby. Sensation 45th Rag Apple breeding. 2x HIR records from 400-584 lb. fat on cows. Sangamo Farms, R. 5, Springfield, Ill.

**GUERNSEYS,** SEVERAL bulls, service age. Bred heifers, springing cows and 4-H heifers. L. E. Dennis, 1511 Sixth Avenue, Sterling, Illinois.

**RIDING HORSE** for sale, dark bay with white star in head. Mrs. Thomas Margason, Route 2, Oakland, Ill.

**GUERNSEY DISPERSAL** sale — Wednesday, Nov. 29 — 12:00. Heflin Bros. Farm, 30 miles south of Indianapolis on U. S. 31 near Edinburg, 45 head purebred, 2 grades, 2 bulls, Normandy breeding. Mostly cows and heavy springers. T. B. and bangs tested. Many calf-hood vaccinated. For catalog, write Russell George Sales Service, Lebanon, Ind.

**FOR INDIANA** Guernseys, either selected individuals or whole herds at public auction or private treaty, write Russell George Sales Service, Lebanon, Indiana.

**WE HAVE** two many horses—must sell one, 8 year old black Percheron gelding and 2, coming 3 year old black Percheron geldings. All three are the best and the 8 year old is broke to work any way. The two others are very gentle and will make a wonderful team. Also, registered Duroc hogs, Angus cattle, Shropshire sheep. E. E. Irwin, Salem, Ill.

**YORKSHIRE BOARS,** gilts, pigs; state and national grand champion breeding; registered, vaccinated, guaranteed, priced right. Lowell Hanback, R. 2, Winchester, Ill.

**REGISTERED HEREFORDS:** Several excellent herd bull prospects ready for service. Sired by TT Royal Heir 5th, GLF Royal Heir 3rd, GLF Royal Heir 9th; WHR Royal Domino 51st breeding. D. G. Gibson, Jr., Elizabethtown, Illinois . . . Jack Mullen, Herdsman.

**GRADE AND** purebred Holstein and Guerneys calves. Bred for production and show ring competition. Cavey Farm, Elkhorn, Wisconsin.

**WISCONSIN DAIRY** cattle for sale. Inquiries appreciated. Large selection to choose from. Robert H. Walter, Lannon, Wisconsin.

**FOR SALE,** Spotted Poland China pigs, good bloodline. Excellent for registered herd. Guy E. Donoho, Iuka, Illinois. Phone Iuka.

**BRED GILTS,** sired by first prize OIC boar 1948 Illinois State Fair. Second litter sows. Serviceable boars. Boar and sow pigs. Ray Harding, Rt. 2, Belleville, Illinois.

**BARNARD STOCK** Farms on U. S. 45, Geff, Illinois. Phone 40R3. Registered Polled Hereford cattle and spotted Poland Hogs. Stocker and dairy cattle for sale at all times.

## ● Miscellaneous

**MY KITCHEN** prayer. Inspiring verse on decorative 8 1/2 x 11 inch wall plaque with plastic cover and colored border. \$1 postpaid. Lovely gift. Mrs. Harms, 35-B, East 11th St., Chicago 28, Ill.

**STAINLESS STEEL** 18-8 vapor seal two-quart sauce pan, \$6. Three and one-half quart sauce pan, \$8. Eight-cup percolator, \$12.50 or dripolator. Five-quart teakettle, \$12.50. Eight-quart kettle or roaster, \$14.50. Large oven roasters, \$20.50. Major Co., 71 Milford, Springfield, Mass.

**BLANKETS, COVERLETS,** yarn and many other woolen items for your wool. Bating custom made. Many gift items. Free catalog. Middlebury Woolen Mill, Goshen, Indiana.

**FOR SALE,** greeting cards, all occasions. Birthday and getwell, 14 for \$1.00; baby congratulations and sympathy, 12 for \$1.00. Stationery, orchid \$1.50, rose, \$1.00. Xmas cards, 21 for \$1.00, 25 for \$.65. Religious, 21 for \$1.00. Metallic, 16 for \$1.00. Add 10c per box extra for handling charges. Mrs. Lewis Hamann, Pocahontas, Ill.

**LORD'S LAST** supper plastic table cover, 54" x 72" with 33" x 20" picture, \$2.95. Other religious specialties. Write Independent Sales Co., RFD No. 4, Mt. Vernon, Ill.

**50 DOUBLE** edge razor blades, 45c postpaid. Made of finest quality surgical steel and unconditionally guaranteed. Buril Sales Co., 61 N. Dale, St. Paul 5, Minn.

**BUY YOUR** pecans from grower. Selected Stewarts, 5 pounds \$2.50; 10 pounds, \$4.75. Large shelled halves, 5 pounds, \$6.00; Small halves 5 pounds, \$5.00. All postage paid. Write for prices on larger amounts. Virgil Keith, Foley, Alabama.

**UNITY PLUG-IN** search-light. The light of 1001 uses. Indoor and outdoor. Uses special G-E sealed beam bulb 110 volt. 100,000 candlepower \$12.95 postpaid. Blackburn Auto Supply, Scottsbluff, Nebraska.

**REVOLUTIONARY HEARING** device. No battery, no wires. Just a simple ear plug that carries sound to the ear drum. Beauty, 4337—30th Avenue South, Minneapolis 6, Minn.

**UNBREAKABLE UTILITY** dish, a beautiful centerpiece for any table. Original design; two glowing fluorescent colors gold and red. Postpaid, \$1.00 each. Skeg Mfg. Co., 132 E. Main St., Webster, Mass.

**CONCENTRATED VEGETABLES,** Highest grade, raw, dehydrated, in tablet and powder form. No drugs. Write today for free circular. Kiro Concentrated Foods, Tama, Iowa.

**A GREAT** value: A book of "300 Household Hints." Only 25c postpaid. Mail to: Burgess Bunn, 508 N. Poplar St., Charlotte 6, N. C.

**SEND FOR** our latest price list and we will send you useful gift free. Economy Hosiery Company, Asheboro, North Carolina.

**CHRISTMAS RIBBON** special—15 top quality 10c hanks, \$1.50 value for only \$1.00. Postpaid. Ribbon Shop, West Brookfield, 10, Mass.

**WOOL RUG** material — uncut, assorted colors. Excellent value. 3 pounds, \$2.00. Grace's Remnant Shop, 100 E. Monroe, Anna, Ill.

**REMNANTS,** 3 pounds \$1.98 plus 25c postage. All usable lengths, quilts, aprons, blouses, gifts, etc. Free gift included. Grace's Remnant Shop, 100 E. Monroe, Anna, Ill.

**BABY'S FIRST** shoes—become priceless keepsakes and bring back precious memories when preserved in gleaming pearl. Pearl pink for little girls, blue for boys and ivory especially for grandparents. Excellent gift for any occasion. Prices start at \$5.85. Postcard brings free price list and illustrated folder. Satisfaction guaranteed. Pearl Baby Shoe Preservers, Kelley and Abner, Lexington, Ill.

**PLAN YOUR** vacation with travel books. Send for catalog. T. Bookmaier, Candler, North Carolina.

**COZY COTTAGE** Pinup Lamp—well designed (plate, cup and saucer) electric lamp. Complete with shade and six foot cord. Four colors, red, yellow, green, blue. \$2.65 postpaid. Check or money order. Colonial Product Sales Co. P.O. 847C, New Haven, Conn.

**PRIZE PACKAGE** merchandise—Nylon hosiery, ballpoint pen, other items of merchandise all \$1.00 postpaid. Act quickly. CLUB, Deepgap, North Carolina.

**WOMEN — TO** sew our readi-cut line. Fast, easy. Extra Christmas money for you. Beautiful new styles. Illustrated folders and details 10c. 10 other home sewing projects. Baby Gay, Box 400-1, Beaver Dam, Wisconsin.

**DRESS GLOVES** — your skins or ours—goat, deer, state which. C. K. Wood factory (REA), Johnstown, N. Y.

**25c BRINGS** you 128 square inches of new mending tissue. Mends clothing without sewing invisible. Barclay, Elverson, Pennsylvania.

**LARGE JAPANESE** Persimmons for sale. \$2.25 per bushel. Express charges, collect. J. E. Redden Nursery, Stephenville, Texas.

**LADIES, EARN** plenty extra money making studio roses, looks, smells real. Easy. Everyone wants them. Write, Studio Rose, IN-2, Greenville, Pennsylvania.

**BRIGHTER MORE** powerful light. Right from ordinary bulb. Amazing new device. Concentrates light directly on your sewing. Literature free. Fairbridge Co., 945 Main, Bridgeport, Conn.

**PEARL-KOTED** baby shoes are beautiful! Choice: Ivory, blue, pink. One shoe \$2.00, pair \$3.50. Unmounted. Send shoes, check and color desired. Satisfaction guaranteed. Harwell, Byrdstown, Tennessee.

**PLASTIC SUPPLIES,** materials, instructions for hobby or business. Send for free catalog. Tells about internal carving. Hays Plastics, 1310 82nd Ave., Oakland, Calif.

**BALL-POINT** Pens, 10 for \$1, postpaid. Cheaper than refills; long lasting. Pokesky, 37 Poplar St., Mt. Carmel, Pa.

**FACTORY SECONDS.** Sensational value. Same genuine imported briar as our regular \$10 pipes. Have only surface flaws not affecting superb smoking qualities. 2 for \$1. Satisfaction guaranteed. Gaylords, Dept. 482, Brockton, Mass.

**GOOD MONEY** in weaving. Weave rugs at home for neighbors on \$59.50 Union Loom. 30,000 doing it. Booklet free. Union Looms, 81 Post St., Boonville, New York.

**WOMEN 25-50,** we will train you as a dealer in Spencer corsets. Profits while training. Write Anna Austin, 2024 Park Avenue, Granite City, Illinois.

**OIL LAMPS**—Now you can electrify that old flat wick oil lamp in one-half minute. No tools, no wiring, no assembling. Just unscrew the old burner and screw in a Gyro Converter, and—presto! Your lamp is ready to light. Does not change appearance of lamp. Price \$1.80 complete. Gyro Lamps, R-5402 Clark St., Chicago 40, Ill.

**TREASURE YOUR** wool. Beautiful blankets, coverlets. Bating custom-made from fleece or used batting. Catalog free. McKay Woolen Mills, New Bremen, Ohio.

**MINK FOR** early delivery. Almost all types. Unconditionally guaranteed. Complete literature and pen plans free. Lake Superior Mink Farm, Superior, EE, Wisconsin.

## ● Pets

**PUREBRED, NATURAL** — bob English Shepherds. All ages. We breed our own. Write for pictures and information. Guaranteed. Wallace Winegar, Brandon, Iowa.

**IRISH SETTER** pups, 3 months old, priced \$25.00. Litter AKC reg. good bloodlines. Georgia Stebbins, Chatsworth, Ill.

**FOR SALE**—well trained pointers and setters, also puppies. Champion breeding. Martin Kennels, Rt. No. 1, Greenville, Illinois.

**FOR SALE,** St. Bernards, Newfoundland. Mrs. Clyde Foust, 1524 E. 5th St., Lima, Ohio.

**NEWFOUNDLAND REGISTERED,** beautiful, rugged, guaranteed healthy pups. Good bloodlines. "Best in protection and affection." Ideal watchdogs, wonderful dispositions. Michael Kershner, Farmington, Maine.

**SABLE AND** white registered collie pups from natural born cattle dogs. Owner, Carl E. DeBroeck, RFD No. 4, Jefferson City, Mo.

## ● Plants

**CERTIFIED STRAWBERRY** plants. Missionary, Blakemore, Klondike, Klommore, Dunlap, Aroka, \$5 per 1000. New Robinson, Tennessee Beauty, Tennessee Shipper, Tennessee Supreme, \$6 per 1000. Premier, Tennessee No. 965, Progressive Everbearing, \$8 per 1000. Gem Everbearing, \$10 per 1000. Orders filled promptly with fresh-dug plants. Orr Plant Farm, Harrison, Tenn.

**LOMBARDY POPLARS:** Four footers, 19 cents each. \$1.90 minimum, prepaid. Spring shipment. Narrow, beautiful, fastest, easiest growing. Act! List. Willmar Nursery, Willmar, Minn.

**STRAWBERRIES** — BLAKEMORES, Dunlop, Temples — 300, \$2.00; 1000, \$5.00. Everbearing, Streamliners, 100, \$2.00. Boysenberries, blackberries, 4c. A. J. Simmons, Mountainburg, Arkansas.

**10 ELBERTA** peach trees, 18 in., \$1.00. 10 yellow delicious apple trees, 18 in., \$1.00. 4 tulip trees, 2 ft., \$1.00. 10 Concord grapevines, \$1.00. 100 Dunlap strawberry plants, \$1.00. 10 Victoria rhubarb, \$1.00. 50 Asparagus plants, \$1.00. Ponzer Nursery, Rolla, Missouri.

## ● Poultry & Fowl

**WHITE CHINESE** geese — beautiful, profitable breeders from prize winning, heavy-laying stock now available, \$25 per trio. Eggs, banded, custom hatching in season. We have only satisfied customers. Safe delivery guaranteed. Ry-Hill Farm, Box R, Issue, Maryland.

**PEAFOWL SWANS,** Pheasants, Geese, Ducks, Bantams, Polish, Yokohama, Breeding Stock. Free Circular, John Hass, Bettendorf, Iowa.

**WHITE EMDEN** geese, white crested ducks, white guinea fowl. Satisfaction guaranteed. White Manor small stock, Selma Wafflard, Highland, Ill.

## ● Seeds

**RED CLOVER** seed: Why plant the best seed corn and not sow the best clover seed? Midland beats the rest. Ask your farm adviser. Seed available, O. H. Harvey, Wayne City, Ill.

**KY. 31 Rescue** seed, grown and harvested in Central Illinois. Information and prices on request. W. W. McConnell, Waverly, Illinois.

## ● Sellers

**SAVE \$100.00** on an electric water heater. Waymire Electric, 1136 Lorena, Wood River, Ill.

**FOR SALE:** White electric water heater, 43 gallons, \$65, in good condition. Selling because need larger heater. Paul Richey, R. 4, Ottawa, Ill.

**FOR SALE,** 1 International 12 ft. self-propelled combine, 2 H tractors, 2 discs, 1 corn elevator. Lloyd Barnes, R4, Pana, Ill.

**30 GALLON** automatic electric water heater for \$35.00. Dependable for home, poultry house or dairy. Thousands of satisfied users. Details free. 206 Carson Products, 2505 Benjamin, Minneapolis 18, Minn.

**GIGANTIC SALE** Government surplus. Rural telephones, winches, pumps, power plants, paint, sprayers, tools, misc. Bargain catalog free. Burden's, Lincoln, Nebraska.

**CONCRETE SEPTIC** tanks delivered and installed. Box 143, Raymond Tile Co., Raymond, Illinois.

## ● Services

**LEATHER JACKETS** repaired, relined, zippers replaced. Write for itemized price list. Advance, P. O. Box 163, East St. Louis, Ill.

**RUBBER STAMP** for printing your name and address on envelopes, etc. (paid included) \$1.00 postpaid. Thacker Printing Co., Vienna, Illinois.

**FOR COMPLETE** farm accounting and income tax service, write or call Natho Agricultural Service, Herschbach Building, Chester, Illinois.

**PHOTO FINISHING:** eight exposure rolls 25c, twelve exposure 35c, jumbo—add 10c roll. Reprints 3c, jumbo 4c. La Crosse Film Service, La Crosse, Wisconsin.

**CO-OP ENVELOPES,** ready addressed (give address of Co-op.) 12 envelopes, 25c; 36 envelopes 50c, postpaid. Thacker Printing Co., Vienna, Ill.

**REPAIRS FOR** stoves—ranges—furnaces. Any make, any model. Guaranteed to fit. Shipped direct to you from our big foundry in Chicago. Give full name, model number, manufacturer's name. State parts wanted. Central States Stove and Stove Repair Co., Defiance, Ohio.

## ● Swap

**FOR SALE** or trade. A. C. Combines, five-foot. Massey Harris Combine, \$600. Eighty acres of land, three-and-one-half miles from producing oil well; no leased. Ford mower, 1949 Ford F-46 truck, 1947 Plymouth Sedan, Pearl Slagley, Xenia, Ill.

## ● Trees

**GIANT RUFFLED** pansies — Set them now. Our sturdy plants will withstand the winter with little or no protection. Amazingly large blooms in wide range of colors. They are prize winners. We make prompt shipment. Minimum order 100 plants, \$3.00, \$25.00 per thousand. Sam Allton Pansy Farm, Box 295, Jenks Oklahoma.

## Rural Exchange

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