# ILLINOIS ANEWS

The Voice of 118,000 Members

December

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- And many other stories and features.



# A Mighty 'Tool

All Of Our Readers

Merry Christmas

and a

Happy New Year

from,

the Editor

AS a "tool for defense," electricity on the farm is proving that it rates among the highest.

No product is more essential than food. And with the supply of farm labor being absorbed by factories and the armed forces, electricity will play an even more important part in helping farmers increase production.

Illustrating how necessary power has become, is the case of Clifford Young of Athens, pictured above. Several years ago when he didn't have electric milking machines, it took three men to milk his 25 cows. Today, he has 60 milk cows and two-hired hands with four machines do the work in less time. The electricity comes from Menard Electric co-op of Petersburg.

And his automatic water system which brings water into the barn has raised output of his herd by about 10 per cent, Young figures. Other applications of electricity, such as a cooler, hot water, ventilating fans, and lights, have not only resulted in vastly increased production, but also, lower costs and higher profits.

A recent study by a State University Experimental Station bears out what Clifford Young and thousands of farmers already know. For instance, it was found that a single kilowatt-hour of power will milk 21 cows twice.

Electricity cuts milking time by two-thirds. Applied to cream separating, a quarter horsepower motor does the job better than two men could by hand.

Besides milking and cooling, electricity does many other tasks for the dairy farmer. It pumps and heats water to wash bottles and utensilsan essential in modern dairy operations. It runs fans to ventilate and cures hay. It powers hoists to eliminate back-straining lifting chores, and gutter cleaners. It even runs equipment which teaches cows to drop litter directly in the gutter. Electric fences keep the cows where they belong and electric fly traps and electric clippers improve production through better sanitation.

Electricity on the farm is truly a mighty "tool for defense."

William E. Murray, Editor

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# **Editorial Page**

# ILLINOIS REA NEWS

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# Non-Partisan Policy

CONTRARY to what a few misinformed people may have wrongly concluded, the Illinois REA News has stoutly maintained a non-partisan editorial policy.

As quite evident from the November election, no other policy would be possible or in keeping with the philosophy of rural electrification.

Republicans and Democrats sit side-by-side on co-op boards. Members of each party are the co-op owners. Partisan politics, of course, would have crippled the rural electrification program long ago. The pendulum of political fortunes is never motionless.

No one, however, should find it difficult to understand that co-ops through their statewide paper, consider it appropriate to give their members information concerning the records of Congressional representatives.

How to vote is something that is left entirely to the member to decide. Nor does this publication deny that rural electrification is the only, or even the most important matter on which a co-op member should base his voting decision. It merely stresses that it is important. And anyone who might doubt this, should take a trip around the state and ask the farmers whether they would like to give up electricity.

# What's New? Features

IN RESPONSE to numerous requests from readers that we include the name and address of the manufacturer in our "What's New?" features, we are glad to oblige.

Those making the suggestions that we include this additional information, said that it would be more convenient for interested readers not to have to write twice, once to us for the manufacturer's name, and again to the maker.

We try to be as selective as possible in bringing to your attention in the very popular "What's New?" features, products of good repute. We also ask that any electric appliance bear the approval of the Underwriter's Laboratory or some other recognized testing agency. The only exception is where the appliance is such that its safeness is obvious.

In writing the manufacturers for information, we should appreciate your mentioning the Illinois REA News, since you may be helping your statewide paper by calling it to the attention of reputable manufacturers.

# What Our Readers Say

ENJOY NEWS

.... We receive the Illinois REA
News and enjoy reading every page.
St. Elmo Mimmie L. Durbin

the homemakers page; patterns, recipes, and etc. Well in fact the whole Illinois REA News. I have gotten it six years now and it is better every month.

Nashville Mrs. Alva Benedict

Am sending for more of your patterns. I frankly don't understand how you can send them free. But nevertheless I surely appreciate my pattern gifts. Have received the Illinois REA News just a few times and I like to read it through. Very interesting.

Paris Mrs. Clyde Fite

.... I always read the Illinois REA News and enjoy every page. St. Elmo Mimmie L. Durbin

Just this morning our copy of the Illinois REA News came through the mail. I always enjoy the article for women so much. As you know, I've ordered many patterns and have enjoyed good results with all that I've used so far. May I recommend these pattern leaflets for anyone wanting a clear instruction leaflet with the lovely patterns. Again

I say "thanks a million" for the lovely patterns . . . Sheldon Mrs. John F. Worthey

INQUIRY

Will you please let me know when your next monthly issue will be off of the press and how much the price per copy is? I am mailing a self-addressed envelope for an answer. Being a farmer I especially like your Rural Exchange section. Yours is a real farm magazine. Union City, Tenn. John C. Gibbs

REQUEST

I am a director of the ColesMoultrie Electric Cooperative of
Mattoon and I would like for you
to send me the Illinois REA News,
which I have never received.
Lovington Willis F. Smith

**ASKS INFORMATION** 

We have noted with much interest the article appearing on page 9 of the September, 1950 issue of the Illinois REA News.

This article deals with a new compact water softening unit. We would appreciate receiving the name and address of the manufacturer of this product or any descriptive material you might have in your files.

Fred E. McVey
REA A. & L. Division
Washington, D. C.

# Allen Reporting

A new wartime power pinch is in the making.

However, for a while to come there is no likelihood of a repetition of those hardships and cutbacks which plagued rural electric co-ops so bitterly during World War II. The status quo is pretty well assured for the immediate future.

Behind this generally encouraging picture is the quiet work of Rural Electrification Administrator Claude Wickard. Without fanfare he has put through a protective program that offers real hope for REA co-ops when things begin to tighten up.

He has done this by obtaining guarantees of a "defense status" for REA and other utilities as well.

Such an emergency status will not only assure 3,000,000-odd REA farmers of adequate power but will keep uninterrupted the flow of critical materials required for expansion and maintenance.

This policy is the exact opposite of what happened during 1941-44. Then, rural electrification was check-reined to a halt because of desperate shortages of power and critical materials for war production. The Navy even went so far as to yank newly - installed generators from REA plants.

There will be none of that this time—if Wickard's plan works out as it has been agreed on.

In response to his presentations, thiefs of the National Security

Resources Board and Interior Department, which control electric power under the Defense Production Act, say they now realize that REA is directly and vitally related to the defense effort and must not be curbed.

Wickard argued successfully that farmers, by increasing electrification, are appreciably expanding food production, a crucial feature of the defense program. Further, with manpower needs becoming steadily more urgent, electricity on farms will be the big answer in cutting down the need for hired hands.

Danger Point

Today, 3,000,000 more farms are electrified than in 1941, when the U.S. entered World War II.

Industrially, however, the power picture is not bright.

Power reserves to meet the soaring demands of the vast rearmament program already are approaching the danger point.

That was the blunt warning D. L. Marlett, assistant administrator of Bonneville power project in the Pacific Northwest, sounded at a closed-door meeting in Washington of the Electric Utility Defense Council. Urging both private and public power officials to greatly expand their facilities, he declared, "The margins of reserve which a few months ago appeared to be comfortable in most sections of the country are disappearing. Latest figures

indicate an increase of  $19\frac{1}{2}$  per cent in energy load as compared with that prevailing a year ago. And the defense program is just getting underway. You can see what that means in terms of power.

"The plain fact is that during the post-war period demands for electricity completely outstripped the earlier estimates of the power industry."

· Power Czar

Both private and public power officials will get a jolt when Interior Secretary Oscar Chapman announces his selection as defense power

He is E. W. Moorehouse, vicepresident of General Public Service Corporation, N. Y.

Neither group had any inkling that Moorehouse would be named to the key rearmament job.

Althought strictly a utility man, he was not the candidate of the industry. Instead, it backed W. J. Cisler, vice-president of Detroit Edison, or J. E. McAfee, president of Union Electric Company of Missouri, or Elmer Lindseth, former head of Edison Electric Institute.

Spoiled Victory

It will take time before the battle wounds of the Oklahoma rural electric co-ops and the Farmers Union are healed.

months ago appeared to be comfortable in most sections of the country are disappearing. Latest figures. Before they split over Senator Elmer Thomas, the two groups had worked closely and effectively to-

gether on legislation pending before the Senate Agriculture Committee.

by Robert S. Allen

At times, the Farmers Union had been able to temper Thomas' usually strong anti-REA views. But now Senator Allen J. Ellender (La.) another darling of the utility lobby, is scheduled to take over Thomas' seat as chairman of the powerful Agriculture Committee.

In the search for a friendly influence on Ellender, an REA representative called at the headquarters of the National Farmers Union. He was greeted with the derisive snort, "Now let's see you handle Ellender like we used to Thomas. Ellender's your baby since you helped to make him chairman." (Note: The utility lobby rates Ellender as one of its "best" senators.)

# Falck Bounced

Resignation of Edward Falck, as head of the highly important Energy and Utilities Section of the National Security Resources Board, is a sounding victory for electric farm co-ops.

He was dropped by NSRB Chairman Stuart Symington as a direct result of the determined fight waged by Clyde Ellis, executive manager of the National Rural Electric Cooperative Association, with thousands of co-op leaders backing him.

Ellis contended Falck should not be permitted to hold a government job at the same time he was on the (Continued on Page Fifteen)

# Power Co-op Seen As Only Hope In Avoiding 1954 Power Shortage

the Illinois Statewide Power Cooperative as the only hope in averting a serious power shortage in southern Illinois by 1954.

The steady increase in consumption of electricity by farmers combined with heavy commercial loads of industry in rural areas, makes the possibility of rationing of power a grave threat in the southern part of

According to William M. Planert, president of the statewide power cooperative, the private companies, which now are the sole source of co-op supply in southern Illinois, just don't have the facilities either in power plant capacity or transmission lines, to take care of the needs of the south end of the state.

#### Map Shows

"A look at the map of Illinois is enough to show why co-op leaders are worried," Planert asserted. "The only generating plant in the south end is at Grand Tower in Jackson

Because the private power companies did not believe rural electricity would be profitable, they made no attempt to serve large sections of southern Illinois. As a result the co-ops have had to assume practically the entire load including the industries.

'Unless more power can be made available, there is bound to be a very serious shortage develop in the not too distant future.

"Even at the present time," Planert emphasized, "trouble may develop. The government may give preference to the high-priority industries in the area, such as flouspar mines. And this may mean curtailing service to the farmers if there isn't enough electricity to go around."

# Takes Time

The power co-op official pointed out that it takes time to build generation and transmission facilities,

Rural electric co-op leaders see several years in fact. He estimated that it would be at least four years before a co-op plant and transmission system could be built and put in operation. "That is why we feel it is absolutely imperative to secure REA financing without delay."

> Though the power company, which presently serves the co-ops in the southern area, is adding generating capacity at its Grand Tower plant on the Mississippi River, the demand by co-op customers and the cities and towns which that plant also serves, will overload the capacity by 1954. The co-ops in the area will be using 40,000 kilowatts by then according to estimates made two years ago. And these estimates will probably prove 20 per cent short because of the unanticipated acceleration of co-op loads.

> The situation by 1959 will be even more desperate and dim-outs, brown-outs and rationing of electricity will be a certainty by then if the co-ops are not successful in providing for their own power needs through a generating plant."

# Small Consolation

Co-ops find small consolation in the promises of the private power companies that they will be able to meet all future demands for electricity. "They said there was plenty of power during the last war," yet there were brown-outs and dimouts. And today, the power companies are repeating the same phrases about an abundance of electricity. The co-ops in the southern end of the state, particularly, have little confidence in such statements.

In the central and northern sections of the state, Planert said, the supply problem is not as bad. Therefore, the Illinois Statewide Power Co-op is concentrating its efforts on building a generating plant in the southern end where the need is acute. This plant and transmission line will serve six cooperatives including, Southern Illinois Electric,

Dongola; Southeastern Illinois Electric, Harrisburg; Egyptian Electric, Steeleville; Tri-County Electric, Mt. Vernon; Norris Electric of Newton; and Wayne-White Electric of Fair-

Even though it might not be necessary to expand the co-op power system beyond service to these co-ops, depending on future supply and rates, it will be of great value to the northern co-ops, Planert de-

#### Could Be Expanded

"The system could be expanded if the need arose—that is, if the power companies were unable to supply sufficient electricity to the other co-ops in the state, or refused to meet competitive rates.

'At the present, co-ops have no alternative but to pay the power supplier what he demands and hope that there will be enough electricity to meet the ever-growing consumption of members," Planert added.

Though originally planned on a statewide basis, the power cooperative is presently only concerned with the southern end of the state and the six cooperatives which will be serviced. However, the power cooperative has the backing of the entire 27 distribution cooperatives in the state. It has the official support of the Association of Illinois Electric Cooperatives.

### Competition

"Naturally, the rest of the cooperatives realize that a co-op power plant in the state will put some competition into the wholesale power supply business which does not exist today. Currently, a co-op in Illinois has no other choice but to agree to the terms of the wholesale power supplier in his area. There is no competition," Planert stressed.

Despite the temporary rate reductions which two private power companies granted to most of the co-ops recently," Planert said, "a power system will mean substantial savings to the co-ops. With no high

# I.A.A. Pledges Support For REA Cooperatives

Recognizing the importance of the power supply problem, the Illinois Agricultural Association passed the following resolution at its annual meeting in Chicago, November 15.

High-line electric service is essential for a modern standard of living on our farms. The Illinois Agricultural Association is pledged to support the extension of this service to all farms in the state. In many areas, this service is provided by cooperative organizations with funds loaned by the Rural Electrification Administration. These cooperatives have pioneered in development of the area-coverage program.

"In order to serve their members, these cooperatives must be assured of an adequate supply of power at reasonable rates. Realizing this, the Illinois Agricultural Association pledges its active support in insisting that adequate funds be made available for loans to cooperatives for the generation and transmission of electricity to their distribution systems. Such loans should be made only when the project is shown to be feasible, is necessary to secure an adequate supply of power at reasonable rates to serve farm people, and is supported by the membership of the cooperatives served.'

salaries to pay and operating on a non-profit basis, it is only logical that co-ops can produce their own power cheaper than they can buy it. There certainly is nothing mysterious or magical about generating electricity, although the private power companies try to make the public believe that there is.

"Of course, REA would not grant us a loan if the power plant could not be proved feasible beyond a doubt. We have hired the best engineering brains available and have (Continued on Page Seven)

# Washington Report

By William S. Roberts

Defense developments continue to create some of the most difficult problems rural electric leaders will have to overcome. On November 13 the Department of Commerce's National Production Authority announced a 35 per cent curtailment in the use of aluminum, effective January 1, 1951. Until April 1, 1951, an exemption was granted for wire and other electrical equipment, if on hand or ordered. This temporary arrangement, however, will expire when the defense program will begin to make its effects felt.

NPA found it necessary to draft the severe conservation order earlier in the month, but even before it was announced publicly bitter objections came from labor and the aluminum industry.

Aluminum industry spokesmen were anxious to secure an international agreement for channeling what they claimed to be adequate amounts of excess Canadian aluminum production into the United States rather than curtailing use.

# Effects

aluminum curtailment could have severe effects, largely because it limits use rather than establishing any system of priorities or allocations. With three million consumers on over a million miles of rural power lines financed by REA, the greatest problem facing cooperative systems today is adequate sources of power to provide reliable service.

Use of electric power on the farm is skyrocketing just as it is in industries and even urban homes. Estimates now show that demands for electric power are doubling every five years. To transmit power from power plants to local distribution load centers requires conductoraluminum conductor.

The obvious solution for rural systems to meet their power demand requirements is to build their own power plants, and REA has been making some loans for that purpose for 15 years.

But only in the last year have plans of REA borrowers for large For rural electric systems, the plants interconnected with Federal

hydro dams been feasible. Building these plants would entail the creation of entirely new cooperative REA borrowers.

Since the NPA order would permit use only on the basis of past consumption, new businesses would not have a chance to start up since they would have no basis for original inventories. Therefore the aluminum curtailment order conceivably could forbid any new coop power plant federations.

# **REA Defers Wage** Policy For Co-ops

Rural electric leaders were pleased this month when REA Administrator Claude R. Wickard agreed to defer application of a requirement that Department of Labor standards be applied to construction by rural electric system employees.

The delay in applying the requirement for work done with REA loans for force account construction was agreed to in order that a study can be made of "prevailing wages" in the rural areas where REA borrowers operate.

Sharp protests from many parts of the United States followed the issuance of REA's requirement that Department of Labor prevailing

wage standards be applied in any use of REA loans.

The protests were based on the fact that large metropolitan area wage standards of labor unions have been used by the Department of Labor, rather than the standards of wages paid in the areas where rural electric systems operate.

# Another Objection

Another objection REA's borrowrs had was that force account construction is largely done with regular full time employees, who obtain many benefits such as pensions, insurance and vacations which contractors' employees and part time labor cannot obtain.

Many labor leaders have acknowledged that there is a "double standard" for fair wages, taking into consideration the extra benefits a regular employee obtains.

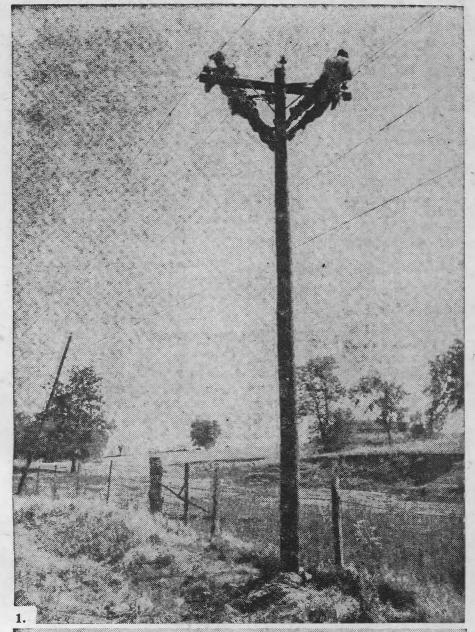
Wickard's announcement came after a special wage study committee and the national executive committee of the National Rural Electric Cooperative Association voiced the protests of member systems. They asked a reasonable moratorium until the studies of local wages can be completed.

In turn, Wickard asked cooperation of the National Rural Electric Cooperative Association in obtain-

(Continued on Page Sixteen)

# Electricity Is Dependable!

# Co-op Power Service Has Good Record And It Is Steadily Getting Better





Illinois REA News

Page 4

WHEN the famous writer Mark bad winter storms than practically Twain heard that an overzealous newspaper had reported him dead, he commented humorously that the story of his death had been greatly exaggerated.

Similarly, outages along rural electric lines, have been greatly exaggerated particuarly by salesmen for bottled gas appliances. They claim that rural electricity is not too dependable compared to their product.

As has been shown in the previous two articles in this series comparing electric and bottled gas appliances such as ranges, water heaters and refrigerators, electricity is the more efficient and safer fuel. An electric range, for example, is less costly to operate, is faster, cleaner, and, in short, the most modern cooking device generally available.

#### Question of Dependability

But how do the two fuels compare when it comes to this question of dependability? That is the subject of this final article in the series.

To get an indication of what the gas salesmen thought, the Illinois REA News asked several how good rural electric service was. As expected, they did not hesitate to brand it as undependable. Some said the customer would have a minimum of six outages a year while others said that the number would be

On what information did these salesman base their estimates? The answer was on nothing but guesses.

In order to learn something of a factual nature in regard to the quality of rural electric service, the Illinois REA News held a day-long conference to which managers of three representative cooperatives in the state were invited. One of the co-ops included, experiences more the 22-hour service interruption

any other in the state.

The conclusions reached at the conference were later verified by many other co-ops throughout Illinois.

### 99.75% Continuous

Most significant conclusion was that rural electric co-op service was 99.75 per cent dependable during the year. This estimate was arrived at after careful analysis of outage information and first-hand experiences of co-op managers.

Of the 8,760 hours in a year-24 hours multiplied by 365 days-it was estimated that the average co-op member in Illinois has continuous service 99.75 per cent of the time. This was a conservative estimate in the opinion of all managers interviewed.

In a year, therefore, there are only 22 hours that the electricity might be off. Since this average includes all the cooperatives in the state, several of which have some severe winters, it is obvious that thousands upon thousands of co-op members experience so few outages that little or no inconvenience is caused.

# Extreme Case

Even in the co-op believed to have the worst ice storms in Illinois, the continuity of service this year is less than one-half of one per cent of being perfect. And that includes an icestorm which affected 75 per cent of the members on the average of 48 hours. Twenty-five per cent were unaffected by the storm. Bad icestorms such as this co-op experiences are rare in most other co-op areas particularly in southern Illinois.

When it is considered that outages often occur at times when the member is not using his service and is repaired before the user needs his electricity again, it can be seen that

WITH MOST of the construction completed, rural electric co-ops in Illinois are engaged in extensive rebuilding programs designed to make service more dependable and better than ever. The pictures give an idea of part of the work that is now under-

NO. 1. THE RECORD-breaking demands for more electricity by co-op members, makes it necessary to replace lighter lines with heavier ones. Here, linemen of McDonough Power Co-op tie-in a three-phase line replacing the single phase which can be seen still standing. Service is continued while work progresses.

NO. 2. NEW SUBSTATIONS and voltage regulators such as these which Corn Belt Electric is installing, will help meet the demands for more power and automatically control voltage. This will mean member's appliances will be protected from voltage that is too high or too low.

average, does not represent that many hours of inconvenience.

And another important point is that the 22-hour estimate includes necessary outages. That is, where the power is cut off purposely so that linemen may work on the lines. Most rural electric systems are rebuilding and heavying up large sections of their lines, in order to provide for the increased power consumption of their members and to insure better service.

#### Will Be Decreased

When the rebuilding and improvement programs have been completed, "necessary" outages will reduce the 22-hour average considerably which means that the continuity of service will rise above the present 99.75 per cent.

How continuity of bottled gas compares with rural electricity is not known, but it can be said that gas service is not immune to the bad weather that sometimes interrupts electric power.

Country roads, often bad enough in good weather, sometimes become impassable for periods during the winter months. Also, the gas user may forget to reorder before his supply is exhausted. All of which proves, that bottled gas service is not 100 per cent continuous either.

But if gas service were perfect, which it surely isn't, it would be too slight an advantage to counterbalance the many other advantages of electricity.

### Extensive Programs

Although rural electric service is generally excellent and co-op members may buy electric appliances with confidence, nearly every co-op in the state is engaged in an extensive program which will make the service even better.

Much can be and is being done to minimize the hazards of weather. For example, co-ops are dividing up their lines with sectionalizing equipment, new substations, and twoway feeds so that outages will affect only a small number of consumers.

The sectionalizing will isolate

the trouble on the lines and the strategic placement of substations and the two-way feeds will permit repairs to be made without cutting off the power.

### Lightning Equipment

More adequate grounding equipment combined with tree removal programs, will also improve the dependability of electricity since lightning and tree limbs are presently the chief cause of outages.

Two-way radio, which is now a standard co-op equipment, has already contributed towards cutting outage time considerably. Maintenance crews can be dispatched to the trouble spots without delay.

System studies are another important factor in the improvement planning. Co-ops have hired the best engineering consultants to study their systems and to make recommendations for the improvement of service.

#### Emphasis On Improvement

With only a few per cent of the farms in the state still unelectrified, cooperatives have turned their attention to strengthening and modernizing their systems because they want to provide their members with service that is of a high quality and that is as continuous as possible.

The impression that "outages" are inevitable and inseparable from rural electricity, is largely a "sales talk" on the part of bottled gas salesmen. To a lesser extent, co-ops themselves have been at fault in creating a misleading impression about the quality of their service.

From reading the co-op news-columns of this publication, one rarely if ever, sees any information telling the co-op members how good the service was during the past month. Only how many outages there were. The outages compared to the number of members who had electricity without interruption, pales into insignificance by comparison.

It can be said without reservation, rural electricity is dependable, lacking approximately one-quarter of one per cent of being perfect.

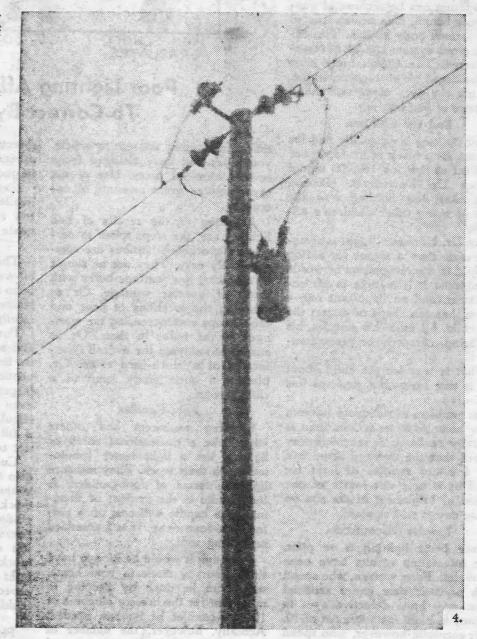
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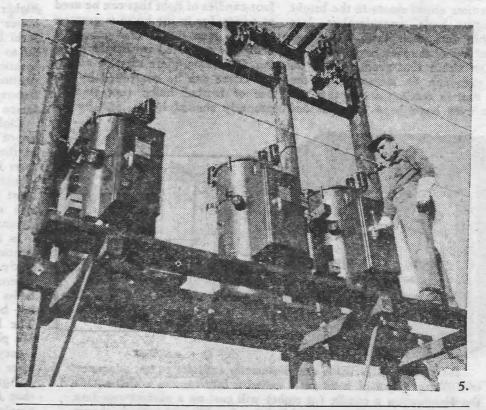
NO. 3. TWO-WAY radio is standard equipment with nearly every co-op in the state. Reports of trouble on the line received at co-op office can be immediately sent to maintenance personnel. Length of outages are being cut to the minimum since crews who are nearest the outages can make the repairs.

NO. 4. OIL RECLOSURES sectionalize the line by cutting off the service in the section of line where the outage occurs and preventing the entire line from "going out". Thus the outage affects only a minimum number of members and repairs can be made without de-energizing the other sections of the line. Also, such modern equipment helps co-op crews locate the outages faster.

NO. 5. ANOTHER EXAMPLE of how co-ops are installing the latest automatic equipment to improve service are these voltage regulators of Western Illinois Electric which have been located in the middle of a three-phase line between the substation and the last service. The regulators boost up the voltage so that the members on the end of the line are assured adequate voltage for their electrical appliances.







# Help Your Eyes Last A Lifetime!

NLY two eyes for a lifetime! Yet-many persons constantly abuse them by poor lighting in the home. This is an indefensible practice. For, by checking the lighting in your home and perhaps by spending a small amount of money, bad lighting conditions can be corrected.

Eye defects are not the only bad results of poor lighting. The health of the entire body may be affected. Bad lighting can be a cause of general poor health. Eye strains lead to other serious body strains. The entire nervous system can be adversely affected. The human body must be considered as an organic whole. It is not the eyes alone that stand the abuse of bad lighting.

#### Bad for Children

Poor lighting is especially bad for children. As a result of his studies of the effect of light on 160,000 school children Dr. Darrell B. Harmon found that bad lighting was the cause of many other children's ail-

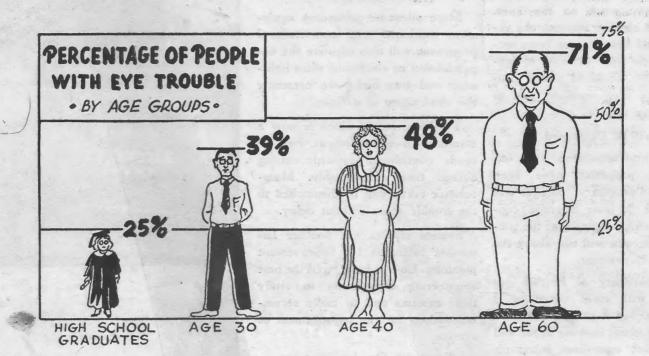
Said Dr. Harmon: "Light is something more than a means for aiding the child in the recognition of words and objects. It is a force in his environment, and an important onea force that can shape or distort the total child, his eyes, his muscles, his well-being, currently or permanent-

What is true for the child about light is true for adults, perhaps less markedly.

The problem of adequate lighting in the home is more serious than is generally realized. A recent survey showed that the average home had only five-foot candles of light for use. This is only one-fourth of one percent of brightness of the sun on a clear day in mid-summer.

# Results Discovered

Since home lighting is so poor, some interesting results have been discovered. Farm women, who spend much of their time under artificial lights, may have defective eyes in as many as eight instances out of 10. Their menfolk, however, who spend more time out-of-doors in the bright sunlight have considerably less trouble with their eyes. Only one out of five of the men have bad eyes.



# Poor Lighting Affects General Health; Easy To Correct By Following A Few Simple Rules

times. In reading this entire article, your eyes will have changed focus several hundred times. Use of the eyes requires great amounts of en-

Alarming as the results of bad lighting are, the steps taken to correct unfavorable situations are comparatively easy. They are as simple as replacing low wattage bulbs with those of greater wattage. Or as studying the locations of floor and table lamps and increasing the wattages of the bulbs in them. Or as simple as studying the overall illumination of a much-used room. Or, placing a good study lamp in a child's room.

# Foot-Candles

Lighting engineers and others who make a professional study of lighting use a light meter (photometer) in their work. They measure light in terms of foot-candles. A foot-candle is the amount of illumination a candle will cast on a surface one-foot away. It is a standard measuring unit.

Although it would be nice to have such a survey made in your home, much can be done by keeping in mind that for the home a minmum of 10 foot-candles of light is needed. Actually, however, the number of foot-candles of light that can be used to advantage in the home is greater. Medical men report that good eye health is promoted by bright light-The strain that reading puts on ing. Of course, glare must be avoidthe eyes can be measured by the ed. Glare can be controlled by the fact that in reading across this line use of frosted bulbs (not tinted); your eyes have been focused four properly shaded lights, and by in-

direct-lighting. Room decorating 10 feet apart with bulbs about six schemes also play an important part in good lighting.

Since the light meter will not be available for use in most homes, a few simple rules for obtaining adequate lighting are suggested.

Smallest Bulb

The smallest light to be used is a 60-watt lamp. The use of this size of lamp should be restricted to porches, stairways, and closets. It is primarily for safety.

For close work, such as reading and sewing, lamp sizes should never be less than 100 watts for the incandescent type of light. Here again, larger sizes when used properly are even more effective. As an example, should the bulb be in a fixture with a diffusing bowl, a 300-watt lamp is not too large.

Current thinking in room lighting also includes general illumination in conjunction with lights spotted over work, study or reading centers. Including general illumination as a part of the total scheme relieves the iris of the eye from unnecessary work in making adjustments from light to dark areas. This factor is especially important for persons of middle age and older.

Fluorescent Lighting Flourescent lamps because of their higher efficiency may be used with lower wattage ratings. In the typical farm home they should range from 40 to 80 watts, depending on their location and use. When used in con-

nection with bathroom and kitchen fixtures the wattages of fluorescent lamps can be lower.

Lights used around farm buildings are of equal importance to those used in the house. Adequate lighting in farm buildings means more efficient working conditions, a greater element of safety and in all instances less strain on those all-important organs of sight-the eyes.

In any type of farm building the lighting problem requires special study. Fixtures should be located where replacement of burned-out bulbs is easy. A large structure cannot be lighted with a single lamp. The lamps used in farm buildings are placed there to aid in the efficiency of the work that must be done after daylight hours.

Agricultural engineers suggest that in the poultry house, for example, lights be placed about five feet from each end of the wall and feet from the floor.

Garages, farm workshops, implement sheds need to be equipped with high-wattage lamps, conveniently controlled, to aid in close-up, exacting work.

Farmyard lighting requires good lights (150 to 300 watt lamps). Yard lights are best when protected by special fixtures against the weather. Yard lights with reflectors and placed high enough to avoid long shadows, serve best.

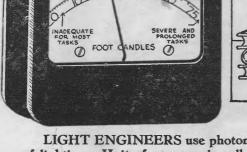
Where careful attention is not given lighting, electricity on the farm is not giving its maximum benefits. The increased brightness and more lights on the farmstead will call for more current. The economies of current savings are small when valued in terms of the

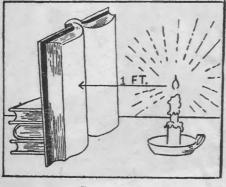
Who would sacrifice such a priceless possession as the eyes in order to save a few cents on a monthly electric bill?





LIGHT can be tripled by moving your chair closer to lamp as shown in bottom pic-





LIGHT ENGINEERS use photometer (at left) to test adequacy of lighting. Unit of measure is called a foot-candle, which equals the illumination a candle (at right) will cast on a surface one-foot away. Some idea of amount of lighting for different tasks is shown on photometer.

# Power Co-op

studied the problems involved for nearly four years. Our plans are based on complete and accurate technical information. And our information will be substantiated by REA engineers before a loan is made.

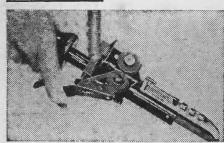
"We expected that there would be opposition to our plans. There always is when a competitor tries to break into a monopolistic field. Those who have tried to discredit our plans, have neither taken the time nor trouble to determine the facts. If they did they would be convinced, as we are, that a co-op power plant is the only solution to the shortage looming ahead and that it is a sound, economical proposition. We have spent \$15,000 and four years investigating to find out the

"Another unfair tactic of our

critics," Planest said, "is their attempt to confuse our proposed power co-op with public power. The Illinois Statewide Power Cooperative is not a public power project. The power plant it intends to build will be privately-owned and controlled just as the individual distribution cooperatives are. The financing will be the same as with the individual cooperatives; namely, through selfliquidating, interest-bearing loans from the Rural Electrification Administration. The loans will be repaid over a period of 35 years.

"The far-sighted farmers who make up the membership of the Illinois Statewide Power Cooperative know the farmers along the co-op lines must have all the electricity they want, when they want it and at reasonable and dependable rates if the future of rural electrification in our state is to be assured.'

### What's New?



Soldering has always been timeconsuming and often not too easy, because of the way in which it was to be done.

Now, for the first time, a revolutionary new device has been introduced which makes the whole process of soldering very simple and more efficient.

This device is an automatic feed attachment which fits any standard electric soldering iron and feeds the solder automatically to the tip of the iron merely by pressing the trigger of the device.

This novel device was developed to speed up hand soldering jobs and to make for more effective soldering. Through the use of this device both the solder and the iron are combined, so that one hand of the person is left free to hold the work or to do something else.

This clever appliance, holds six feet or more of solder in coils and through the use of an air-cooled trigger, anyone can do a soldering job neater and with little waste of solder.

The cost of this feeder, approved for safety by UL, is \$3.95.

Without doubt, this handy appliance will benefit folks who solder, first, because of the safety factor, and next because of the better type of easier soldering, with greater economy in the use of the solder. It is manufactured by the National Industrial Sales Co., 218 Investment Building, Pittsburgh 22, Pa. The name of the product is Soldermatic.

# It's NEW. Packed with Features...Low in Price!

7 4/10 cu. ft. GENUINE

# with FULL-WIDTH SUPER-FREEZER CHEST

Safe cold—top to bottom in all 3 cold zones of this wonderful new Frigidaire Master Refrigerator assures constant, correct temperatures for keeping every kind of food. Look at these features that make it the refrigerator buy of the year! Full-width Super-Freezer Chest that holds 31 pounds-Raymond Loewy styling - lustrous Ice-Blue, gold-and-white beauty - aluminum shelves - twin, stack-up Hydrators finished in Acid-Resisting Porcelain - Quickube Ice Trays - Meter-Miser mechanism.



VALUES!



Model MM-110 ... 11 cu. ft. capacity. Super-Freezer holds 29 lbs. Twin, stack-up Hydrators — adjustable aluminum shelves—Meter-Miser mechanism.



Model DM-90...9 cu. ft. capacity. Super-Freezer Chest holds 45 pounds. Has Cold-Wall cooling—Lifetime Porcelain food compartment - Ice-Blue trim.

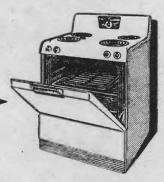


Model IM-100 . . . 10 cu. ft. capacity, with separate 73-1b. capacity Locker Top. Contains all features that have made Frigidaire America's No. 1 Refrigerator.



SAVE FOOD with Frigidaire Food Freezers. 3 sizes...9 to 18 cu. ft. Capacities 315 to 630 lbs. Raymond Loewy styling —Meter-Miser mechan-ism \$319.75 to \$499.75\*

GIANT OVEN RANGE ... > Frigidaire's famous "Thrifty-30". Only 30 inches wide. Features 5-Speed Radiantube Units Lifetime Porcelain finish-Raymond Loewy





\*Manufacturer's suggested cash retail prices including Federal Excise Tax (if any) delivery, placement and warranty. Local tax and special wiring (if any) extra. Prices subject to change without notice.

See Your FRIGIDAIRE Dealer For Proof! Look for his name in Yellow Pages of phone book. Or write Frigidaire Division of General Motors, Dayton 1, Ohio. In Canada, Leaside 12, Ontario.

Refrigerators • Electric Ranges • Automatic Washer • Automatic Electric Clothes Dryer . Electric Ironer . Food Freezers . Electric Dehumidifier • Electric Water Heaters • Kitchen Cabinets and Sinks Air Conditioners.

# Feed 3,000 Chickens In Eleven Minutes

Andersons Apply Automatic Electric **Equipment To Poultry Business And** Not Only Save Time, But Increase **Production Profits** 

TEEDING FROM 2,500 to 3,000 chickens is no problem for W. W. Anderson and his son. These poultrymen have an electric feeder which does the job in 11 minutes.

'It would take us 40 minutes a feeding to do it by hand," the poultrymen said, "and we would probably feed them only once a day too." Now the chicks have fresh feed every two hours from 6 a.m. until 6 p.m., then at 9 p.m. and 12 mid-

Anderson and his son operate the AA chicken ranch near Mt. Vernon. This ranch markets around 40,000 fryers and broilers a year, quite a feeding chore for two men if all the care had to be done by hand.

# 'Does Our Work'

But the two poultrymen have taken the power of the Tri-County Electric Cooperative of Mt. Vernon into their chicken house to do "some of our work," they declared.

Once a day 400 pounds of mash is poured into the hopper of the feeder, from which it is distributed into a 100-foot trough by a chain operation turned on and off by a time clock. The feed is evenly distributed over the entire length of the trough, the elder Anderson said.

With periodically fresh feed, the chickens eat more and gain faster, the Andersons pointed out.

a 12-week period they found that the birds averaged nearly one pound more than other chicks hand-fed during the same length of time.

"We are after more weight per bird in a shorter length of time than would be considered an average growing period," the elder Anderson said, "and we believe that the feeder will help us obtain this goal."

# No Rigid Schedule

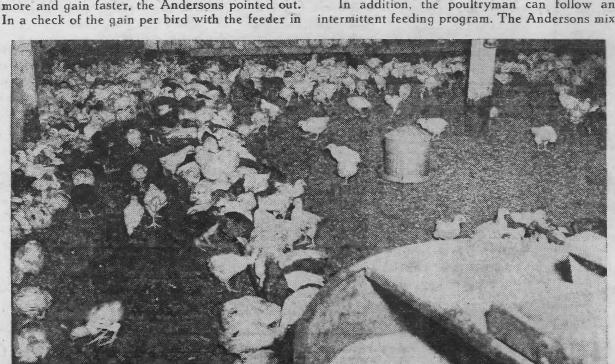
Besides reducing feed-chore-time to a minimum and increasing the weight of the chickens, the "feeder enables the poultryman to forget a rigid schedule and work at his own convenience,"

'As long as feed is in the hopper, you know that the chickens will be fed at regular intervals even if you don't happen to be at home."

And the chicks are quick to learn that when the motor starts, feed will soon be in the trough. You should see how fast they run to the trough then," he said.

All the feed is moved all the way, Anderson pointed out as another advantage of the feeder, while keeping the mixture uniform. We can also control the amount of feed in the trough and adjust our feeding to the consumption of the chickens.'

In addition, the poultryman can follow an



FEED IN the hopper, foreground, is distributed over a rectangular trough in the chicken house by a chain operation. The automatic feeder is turned on and off by a time

switch. The Andersons said that the "chickens learn fast that when the motor goes on, fresh feed will be in the trough."



ONLY WORK involved in feeding chickens for the Andersons is this job of filling a 400-pound hopper. W. W. Anderson does the chore.

pellets with mash at the noon feeding. "The agitator in the center of the hopper carries the pellets to the chain," the father said.

Cost of operation? "Couldn't be much, not over \$9 a month," Anderson said, "but at any rate, it's a pretty cheap laborer."

The feeder is not the only automatic electric worker on the chicken ranch. There are several automatic waterers in the chicken house which have decreased the work of the two poultrymen

To the Andersons, "raising chickens is the most fascinating thing that we have ever done, but I don't believe that we would have enjoyed it half as much if we had to do without electricity," the elder Anderson declared.

Yet five years ago neither of the Andersons had ever raised a chick. They were machinists with a desire to live in the country.

After purchasing 33 acres of land, the elder Anderson retired but not for long. In a 32 by 32foot building the retired machinist and his son started to raise layers.

Soon the building was increased to 80 feet and the poultrymen switched to raising fryers because, "of a quicker turnover and less hand-

The Andersons believe that they have been successful because, "the people who make a success out of raising poultry are those who don't know anything about it. It is a constantly changing business with a lot to learn."

'If we had had a set program we would probably never had experimented and would still have been where we started," the father declared. "Chicken raising changes from year to year. We have to change with it.'

Good chicks to start with, good feed and good management are the three most important points of the Anderson's chicken program. "Good management," said the elder Anderson, "means to use as many time and labor saving devices in your program as possible."

# 'Can't Afford To Be Without Water System!'

CAN YOU afford a water system?

Mr. and Mrs. Oscar Niestrath thought not, until they decided to put a water system on their farm near Villa Ridge. But now they said that they didn't know how they ever did without it.

"I guess we got along without running water because we were used to doing without it," Niestrath remarked. "A fellow can do without a lot, if he doesn't know that he is missing it.'

Benefits Received

Here is what this southern Illinois farm family said they found lacking in their rural home before they got their water system: plenty of running water, hot or cold, for every need; a modern, efficient bathroom and other bathing facilities; washing conveniences; and just having the "joy of living comfortably."

To the Niestraths, like so many other Illinois farmers, tenants or landowners, a water system is indispensable whatever the cost. "For the benefits which we receive and the time and labor that the water system saves us, we figure it will soon pay for itself," they declared.

"After all what good is a water system to a farmer, if he works hard all his life so he can afford one then finds himself too old to receive its benefits?", Niestrath remarked, "I just don't believe it pays to

No More Hardships

With their water system, hardships created by a lack of plenty of running water are but memories to the Niestraths now. When Monday



"NO TROUBLE to get the children to help with the dishes now," Mrs. Niestrath said, as she and her three-year-old daughter demonstrate. The Niestraths are one farm family who say that "you can't afford to be without a water system."

morning washday comes around, the old range, fill the wash tub out

Oscar can forget to build a fire in in the yard, then wait until the

water got hot enough for his wife to wash in.

Today Mrs. Niestrath goes down to her cement basement, turns a faucet, and hot water runs freely into her wash tubs and in a matter of an hour the wash is hanging out on the lines drying. "When we didn't have our water system, I wouldn't even have had the water hot enough by this time," she de-

And when it comes time to take a bath, the Niestraths are glad that they don't have to "sit in a No. 3 wash tub, which was something each one of us dreaded, especially if company should happen to drop in while we were still in the midst of

#### Modern Bathroom

A modern bathroom, plus a shower in the basement adds up to "adequate bathing facilities," Mrs. Niestrath said. "It's no job to give our two children a bath now. And that shower in the basement sure helps keep the bathroom clean," she remarked as she smiled and looked at her husband.

'Having a place where my husband can clean up after he comes in from the field is a work-saver for me," she said. "And it relaxes me," her husband added.

"We just couldn't afford to be without our water system now, they both agreed. To the Niestraths running water is almost as important as the electricity they receive from the Southern Illinois Electric Cooperative of Dongola, which makes the water system possible.

# Wayne-White Co-op Is Still Growing

THE Wayne - White Counties Electric Cooperative of Fairfield in 1937 got its start with 175 miles of wire and 584 signed members. Today the co-op has 1,900 miles of line, 8,325 members and is the second largest electric cooperative in Illinois.

Originally the Fairfield co-op had been planned by two separate groups and could have easily been two distinct co-ops had not these two groups joined together. The two projects that had been planned were made the new project of the twocounty electric co-op. And the name of the two counties was given to

Construction of the first project of 175 miles was started in the spring of 1937. This project cut diagonally across the two counties. When the line was finally energized on November 17, 1937, 27 farms were wired and ready for service. By the end of the first month of operation, 314 farms were receiving power.

Metering Points

Electricity for the first project and for six succeeding projects was obtained at metering points along a power company's 69,000 volt transmission line which ran through most of the cooperative's area.

As the miles of line, memberships, and kilowatt consumption increased, however, this method of supplying power to the lines became inadequate and substations were built. Two substations are in oper- out that the use of the metering



STRETCHING LINE for another new member of the Wayne-White Counties Electric Cooperative of Pairfield. The co-op has over 1,900 miles of line and 8,325 members and it is still growing. It is the second largest co-op in the state.

ation now while three more are in points was all right when the cothe planning stage.

Manager Owen Chaney pointed

op had a small kilowatt demand, "but now that our demands have gone up, we felt that if we were going to give good, dependable service we had to have substations."

Expansion

The co-op has changed its construction program also, Chaney added. "In the beginning our projects were built by contractors. Now we have our own crews who are doing all of our rephasing, connection and distribution work.

And with increased line mileage and memberships, the co-op office staff and maintenance personnel has expanded. From three employeessuperintendent, secretary, and one lineman—the co-op staff has expanded to a manager, 14 office employees and 65 outside linemen.

Coverage

And though it was originally a two-county electric cooperative, the lines of the Fairfield co-op have branched out into seven other counties. They include Edwards, Jefferson, Clay, Hamilton, Gallatin, Richland and Marion counties.

Numbered among the 8,325 members of the Wayne-White electric cooperative are 22 small towns and villages whose populations range from 100 to 700 persons. In addition to these, the co-op supplies service to hundreds of rural schools, churches, filling stations, drive-ins, and small businesses.

When completed, Manager Chaney said, the co-op will have better than 2,500 miles of line in service and over 11,000 members. In 1949 the co-op had a record construction of 360 miles of line to 1,010 members. "I think we will beat that this. year," Chaney remarked.

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# Finds That Corn Borer Trap 'Beats Spraying'

BOYD Handel of Chadwick found another use for his electric current this year. He took the service of the Jo-Carroll Electric Cooperative of Elizabeth into one of his fields to kill corn borer moths.

Handel, a director of the Elizabeth cooperative, installed a corn borer trap in the middle of a 40acre field last summer, in order that he, as well as the co-op, could determine the effectiveness and practicability of using electricity to combat the corn borer moth.

Connected on June 23 and disconnected on September 20, the corn borer trap used 872 kilowatts of electricity. Billed at the co-op's minimum rate the cost was \$42.79. Added to this was the construction expense, which was around \$35, making the total cost \$78.

#### 'Worth It'

The co-op director said that even if the cost of the electricity would have been twice as much, "it would still have been worth the experiment. If I had had it sprayed it would have been \$120. And then the application may not have been any good after a heavy rain, whereas this method was in constant service."

Making a comparative test of the number of borers in this field with an adjoining field, Handel said that he found a 50 per cent difference. "That is, there were 50 per cent



CORN BORER trap, which Boyd Handel (shown) of Chatwick tested in a 40-acre corn field last summer to determine its effectiveness. Four lights attract the moths, which are electrocuted when they come in contact with the network of wires around

less borers in this field than in the ence too, but he wouldn't know how other field." He added that he ex- much until he picked it. pects the yield will show a differ-

The electric coperative director

said that even though he may have been a little skeptical at first about this method of killing corn borer moths, "I am now sold on it and intend to use it again next year. I do believe, however, that I would have gotten a better kill, if I had installed the trap a little earlier in the season."

### Heavy Kill

Nevertheless, he explained. "if I would happen to go check the light on a quiet night, I would usually, find about a one-half inch layer of dead moths on the ground under the lamp. Sometimes the kill would be so heavy that it would short-circuit the trap."

The odd-looking trap from a distance resembles a cage. Four 300-watt bulbs with specially designed reflectors hang in the 24inch cage. These bulbs are designed to give maximum coverage to a 40acre field.

The four bulbs are enclosed by a network of wires, which are energized when the current is on. The lights attract the moths, which fly into the wires and are electrocuted.

The moth trap is turned on and off automatically by an electric time clock. Handel said that he set the clock to turn the trap on at sunset and to go off at sunup.

Although research is still going on with the borer control traps and farmers have been cautioned against the practicability of them, Handel commented that he was well-satisfied with his experiments.



CHILD'S TOY? No it's an electrically - operated communications system which has saved a lot of steps' for the Wayne Lanings of Mt. Sterling. With it Mrs. Laning is able to contact her husband if he happens to be in his barn and is. wanted on the phone.

Laning, who helps operate a 344acre farm, said that the communications system enables him to continue with what he is-doing without having to take time off and go up to the house to see what his wife wants.

Mrs. Laning said the system

comes in handy around suppertime. "It's much easier to call Wayne on this instrument, than to yell outside for him to come and eat," she remarked. "This way I know he hears

The Lanings have the system wired with a three-way switch so that it can be turned-off at the barn. The house unit is on all of the time. The \$20 that Laning paid for the intercommunication system "wasn't much when you think of the steps I save now," Laning said. The Lanings are members of Adams Electric Cooperative of Camp Point.

# What's New?

# Churn Eliminates Drudgery

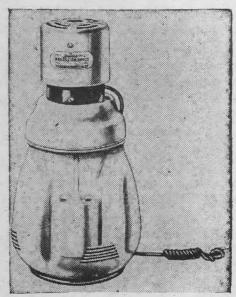
Nothing tastes better than homechurned butter. No longer, however, is the churning of butter at home a drudgery. As thousands of families on electrified farms can testify, the home electric churn is a popular labor-saving device. The electric churns are in wide use on both farms and in small towns. The churning is done in a few minutes with no physical effort.

Available today are a number of electric churns especially designed for home use. All of them are shaft-driven which eliminates belt or chain drives and are powered with motors suitable for most REA currents. The motors are capable of operating for long periods of time without heating.

With one exception, the models available, have glass jars for holding the cream and milk. These jars are easily attached or removed and are convenient for cleaning. The metal container churn is for above-average churning quantities.

# Another Feature

One model of electric churn has a dasher shaft which may be detached for smaller churning or for whipping cream. It can also be used for other kitchen mixing chores. The detachable unit in this model can be adjusted to fit the owner's crock.



available churns run from three to four quarts to three and five gallon sizes. All models are completed with extension cord and plug.

Prices of the electric churns are dependent on sizes of containers and whether deluxe or standard models are purchased. No model examined sold for more than \$20. They are made by the Dazey Corporation. Warner and Carter Avenues, St. Louis 7, Mo.

In tests at Dixon Springs, cattle wintered entirely on fall-seeded Balbo rye except during short periods of very bad weather made just as good gains as those fed corn silage The churning capacities of the hay, and one pound of soybean meal.

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# Warns Members To Beware Of Anti-Co-op Propaganda

"Rural electric cooperatives are not subsidized by the government," W. H. Monke, president of M.J.M. Electric Cooperative of Carlinville, declared, "they are home-owned and controlled."

Monke made this declaration at the Carlinville cooperative's 12th annual meeting, held November 18, in the Carlinville Community High School gymnasium. A capacity crowd was present at the ali-day meeting.

The president pointed out to the members that the government merely loans money to the co-op at a low rate of interest. "It is an amortizing loan and it is so arranged that it will be paid off in 35 years," he said, "and the government holds a mortgage on all the lines and property of the cooperative until the loan is paid-off."

#### 'Prior To 1935'

Without such a plan as this, many rural folks never would have been fortunate enough to have had electricity at a low rate, he declared. For "prior to 1935 only a very small percentage of farms had electricity." And they had to pay for the building of the line, which in some instances cost them hundreds of dollars, he said.

Monke urged the members to beware of any untrue accusations made by some "unfriendly parties towards REA or to the services rendered by it. This is your cooperative and your property, so do everything possible to protect it," he reminded the members.

The M.J.M. president told them that "it is an old story, but that quite frequently members are approached by someone or by some article published, that cooperatives do not pay their fair share of taxes." Monke said that if the members know the facts or look at the co-op's financial report they will see that the co-op has paid out over \$60,000 in taxes.

### Duty

He said that "it is your duty to tell these facts and speak up for the cooperative when asked. Let us hope that not only members but that the entire public will be familiar with the name of M.J.M. and what it stands for. It is one way in which you can protect your interests," Monke said.

Manager A. C. Barnes spoke about the growth and operations of the co-op. At the close of 1949 the co-op had 1,245 miles of line serving 3,577 members. As of November 1, there were 1,391 miles of energized line serving 3,873 members, he said.

Two new substations were energized during the year, which will help to give members "greatly improved service," Barnes said. He also mentioned that a voltage regulator had been installed at the Brighton substation. The regulator is set so as to hold down voltage during the periods of light loads and

With YOUR OWN TRACTOR

With YOUR OWN TRACTOR

Protert your faha or business
NOW with a fow-cost, standby generator that operates
from tractor belt or gas engine. Why wait until your
lights go out — stoker, refrigerator and radio stops
then it's too late! Write
today for complete details,
the fleater franchise Available
WINPOWER MFG. CO.

"Rural electric cooperatives are likewise to hold it up during the at subsidized by the government," periods of heavy loads.

#### Two-Way Radio

"On July 7, your cooperative placed in operation two-way radio communication," the manager pointed out. "The office is now in constant touch with all the trucks either day or night. In case of an outage we are able to dispatch a lineman to the trouble as soon as reported."

Barnes said that the two-way radio was also a big financial saving for the co-op in that it cuts down the mileage and time expense of operation as well as cutting down on the cost of telephone calls. "All this has been done to give faster restoration of your service," he explained.

"In regard to our loan we have borrowed \$2,700,000," he said. "The interest on this money has cost us \$22,189.91 for the first eight months of 1950. Against this loan we have paid \$127,311.53 on the principal. From previous years we have accumulated \$54,129.49 in advance payments and bought \$50,180 in bonds. These are considered as a cushion of credit against our indebtedness."

Barnes told the members that when the cooperative was started that no one ever dreamed that the consumption of electricity would increase so rapidly. "If you noticed in your report, the average farm consumption is 211 kilowatts today. After our first year of operation in 1940, it was only 48 kilowatts."

#### Strohm Speaks

John Strohm, noted journalist and world traveler, gave the principal address. Strohm discussed his recent trip in the Far East where he visited India, Burma, Malaya, Indonesia, Indo-China and Japan. He showed colored motion pictures during his talk which illustrated his speech.

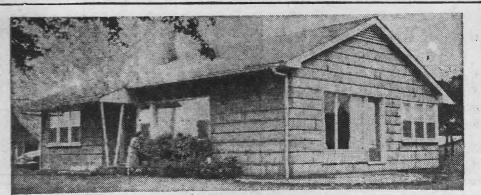
Strohm also showed some uncensored pictures taken inside Russia three years ago. Discussing the current world situation in the possibility of war with Russia he said, "I doubt if we will have an all-out war with Russia at this time because Russia lacks a large enough industry, communication systems and raw materials to fight a war,

### Must Be Ready

"And as long as Russia can gain ground by having others fight for her, like the Chinese Communists and the Korean and Indo-China Communists, she doesn't have to wage war." Nevertheless, we have got to keep ready for a war, Strohm declared.

The present nine-man board of directors of the co-op was re-elected under the staggered-term amendment, passed at the last annual meeting. Monke, Carl Bloome, and Oscar Bunte were elected for one-year terms. John Kallal, M. B. Young, and Earl Hanold were elected for two-year terms, while Adolph Monke, Clarence Doerr, and Henry Egelhoff were elected for three-year terms.

A by-law amendment to increase the amount of money which the coop can borrow from \$3,000,000 to \$5,000,000 was passed. Girls of the F.H.A. chapter of the high school prepared and served a noon lunch. Musical entertainment was provided by the high school orchestra. The chorus of the Northwestern Unit High School of Palmyra gave a recital in the afternoon. Attendance awards were presented at the close of the meeting.



THIS ATTRACTIVE rural home is typical of the many new homes found in the country since the advent of rural electricity. Farmers, as well as rural dwellers, now enjoy comforts and conveniences formerly reserved for a few of them.

Mr. and Mrs. Edwin Whalen of Rosehill built this modern four-room home in the country mainly because of the availability of power from the Norris Electric Cooperative of Newton. And like other urban dwellers who have moved to the

country, the Whalens had the desire for "plenty of freedom."

With plenty of windows, the Whalens said that they can enjoy the wide-open feeling of the country, "and we are not hemmed in." There are nine windows on one side of the house. Two large picture windows in the living room provide more of that outdoor feeling.

The interior walls of the home are made of plywood. The closets, drawers and kitchen cabinets are built in the walls. Mrs. Whalen said that her new home is just as efficient as "any you would find in the city."

# Anti-Co-op Group Readies New And Dirtiest Smear Campaign

(By Cooperative News Service)

Are you a member of a cooperative? Mutual? Credit union? Do you have a son or other relative fighting in Korea? Then you'll be glad to know that the National Tax Equality Association is about to tell the nation that your business is a "financial 4F"—not-so-polite phrase for tax-dodger.

The new campaign blankets cooperatives, mutuals and other nonprofit organizations as "big businesses" who "get by with paying little or nothing on their huge profits," as NTEA President Garner M. Lester writes to NTEA "members and friends."

"Billions in business—millions in profit—permitted to escape income tax through two world wars—now again in time of our country's great need!" dramatically proclaims one of a series of newspaper advertisements with which the NTEA hopes to dot the nation.

# Series of Ads

In vivid pictures and text, the eight proposed advertisements are designed to rub raw the emotions of a public already tensed by crisis. NTEA's latest campaign—timed to start on Christmas week, of all times—appeals to the most elemental drives, fear and anger. It capitalizes on the nation's war crisis to smear non-profit business, on behalf of corporations included among those who have made some of the highest profits in history.

It approaches a new low in advertising of any kind.

Sponsors of the ads need not reveal themselves, either, Lester writes in his letter accompanying the sample ads. He says, "Your name need not appear or be known in connection with these ads in any manner." NTEA, he says in effect, will sign them if others won't.

The ads are even a cut below the NTEA "buck" banned by the U. S. Treasury. On the bottom of each of the proposed ads is a coupon through which readers are urged to write their Congressman to tax patronage dividends of "cooperatives and other non-exempt businesses."

# Lester's Letter

Lester, in his letter, says "leaders in both Houses of Congress have definitely promised that the next war

tax bill will include provisions to tax cooperatives, mutuals and other presently tax-exempt competitors of private business." What the present ad series—plus radio spot announcements now being beamed in at least one state—seeks is a "nationwide demand for full tax equality."

Here are some choice quotes from the ads as proposed:

(Slanted at wage earners) "While Congress was quick to boost your tax, it did nothing about taxing thousands of big businesses on their huge profits... These tax pets... escape nearly a billion dollars a year in income taxes...

"Mr. Congresman . . . How come you permit these businesses . . . such as co-ops and many mutuals—to go scot-free, or nearly so, year after year while raising my income taxes again? You are responsible. Tax these tax-exempts first before doing any more talking about raising my taxes, or anyone else's!

"Le's get the whole battery firing!" reads a caption under a portrait of a grim battery labelled "private business" and "wage earners" firing at an enemy, while soldiers labelled "co-ops and other tax exempts" loll grinning in a nearby foxhole.

# 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



# 'Sweets' Are Thoughts For Christmas



alike. Each year we pick up the strands of previous ones and weave them into an ensemble that will fit this year's needs. The tree makes its perennial appearance, but the gifts beneath it change. Skis and skates sprawl out where teddy bears and erector sets once lay. The same indescribable excitement of Christmas shopping is in the air. We still look wistfully at doll carriages and toy soldiers, but we buy phonographs, records and perfume.

Though each year our kitchen pantry may be stocked with a different variety of cookies and cakes, candies and puddings—Christmas goodies are as much a part of the holiday season as the holly wreath and Santa Claus! And there's fun a'plenty for the whole family in the baking and decorating of these gay

So let's get out our mixing bowls, for we've gathered together for this issue, a group of favorite Christmastime recipes . . . some to make for our own use, and others to make for gifts.

# Dark Fruit Cake

Here is a recipe for dark fruit cake. It makes five loaves of about one pound each, and features moderate cost, generally available ingredients, rather than the more expensive

No two Christmases are ever items sometimes called for in fruit cake recipes.

1 pound soft dried but uncooked prunes 1 pound seedless raisins 1/2 pound candied citron 1/4 pound nut meats (about 1 cup)

cup fat cup brown sugar, firmly packed

eggs tablespoon milk cups sifted flour teaspoon mace

1 teaspoon cinnamon ½ teaspoon baking soda

Pit and chop prunes. Soak raisins 20 minutes in hot water and drain. Cut citron in strips and chop nuts. Mix all together. Cream fat and sugar together. Beat in eggs and add milk. Sift together flour, spices and soda and stir into fruits and nuts. Add to creamed mixture. Grease and flour five small loaf pans (3 to 4 cups capacity). Line bottoms with brown paper. Grease the paper. Pour batter into pans, dividing equally. Bake at 250° degree F. (very slow oven) for three and one-half hours. Cool slightly, then remove from pans and strip off paper. Cool thoroughly and wrap in waxed paper or aluminum foil. Store at least two weeks in a cool place before using.

You'll find this recipe calls for a minimum of ingredients as far as fruit cakes go, but at the same time this light cake is ever so rich.

# Light Fruit Cake

34 cup butter
3 cups sifted powdered sugar
8 eggs, separated
3 cups white raisins
6 ounces glazed cherries
6 ounces candied pineapple
1 cup chopped blanched almonds
Grated rind of 1 lemon
4 cups all purpose flour
1 teaspoon baking powder
1/2 cup fruit juice

Beat butter until creamy. Add sugar and beat one minute. Add egg yolks and beat mixture 10 minutes. Stir in fruit, almonds and lemon rind, add sifted dry ingredients alternately with liquid. Fold in stiffly beaten egg whites. Pour batter into bread tins, seven and one-quarter by three by two and one-half inches, waxed paper lined. Bake at 275°F, one and one-half hours. Makes three

# Plum Pudding

pound seedless raisins pound currants cup nutmeats (mixed) cups flour
eggs
cup molasses
cup buttermilk
cup finely chopped or ground suet
cup fruit juice
cups fine dry bread crumbs
teaspoons soda
teaspoon cloves
teaspoon allspice
teaspoon nutmeg
teaspoon cinnamon cups flour teaspoon cinnamon
teaspoon salt
teaspoon allspice
teaspoon nutmeg
teaspoon salt

Dare fruit

Prepare fruit and nutmeats and dredge with one cup of the flour. Beat eggs until light and fluffy, add molasses, then buttermilk, suet and flavored fruit juice. Stir in bread crumbs, then remaining flour, which has been sifted with soda, spices and salt. Add dredged fruits and nutmeats and mix. Pour into one greased three-pound mold, cover and steam for three hours. Cool pudding, wrap in heavy wax paper and store. The pudding keeps for weeks in a cool place. Re-steam and serve hot with your favorite hard sauce.

### New Orleans Pralines

cup brown sugar cup molasses cup cream tablespoons butter teaspoon vanilla

Boil the first four ingredients, stirring constantly to 238° F. or until when tried in cold water a soft ball is formed. Add vanilla, pour over the nuts and stir until it begins to sugar. Drop from tip of spoon in small piles on buttered pans.

#### Holiday Fruit Cookies

½ cup soft shortening 1 cup brown sugar, packed in cup

egg eup thick sour milk eups sifted enriched flour teaspoon soda teaspoon salt cup broken pecans eup candied cherries, cut in halves eup cut-up dates to 42 pecan halves

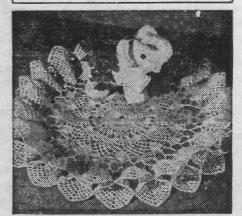
Mix together thoroughly shortening, sugar, egg. Stir in milk. Sift together dry ingredients and stir in. Stir in nutmeats and fruit. Drop by teaspoonful about two inches apart on greased baking sheet. Place a pecan half on each cookie. Bake 10 to 13 minutes (just until golden brown and set) in moderately hot oven. Cookies should be soft when taken from oven. Makes about three and one-half dozen cookies two inches in diameter. Additional fruit and nuts may be used if desired. Other kinds of fruit and nuts may be substituted, such as raisins, citron, candied pineapple or almonds.

Date Squares

cup sugar cup sifted flour teaspoon baking powder teaspoon salt cup walnuts

2 cups pitted dates Separate eggs. Beat sugar into beaten yolks. Sift flour, baking powder, and salt. Chop nutmeats and dates. Add to flour mixture. Add yolks and sugar and mix well. Fold in stiffly beaten whites and vanilla. Blend thoroughly. Spread mixture evenly in greased eight-inch square pan. Bake in moderate oven (350° F.) 30 minutes. Cut into two-inch squares. Serve hot or cold. Makes

# Ruffled Doily



SOMETHING NEW has been added to the traditional table doily, a crisp fluted edge that stands away from the table in a double tier of points. This ten-inch size is fine for your small tables underneath a potted plant or vase. Directions may be had by sending a stamped, selfaddressed envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill.



THE OPENWORK diamond pattern and web-like border of this CROCHETED DRESSER SCARF make a lacy design that is sparkling in white, and equally effective in pastel tones. A direction leaflet is available by merely sending a stamped, self-addressed envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill.

# Price, Appearance Not Guide To Long Service Of Equipment

of new household equipment, especially the larger items like refrigerators, home freezers and washing machines which represent a considerable investment for many families.

Managers of apartments and other rented housing usually estimate about 10 years as the lifetime expectancy of such equipment. But no research has been made of the usual life of family-owned equipment. It should last considerably longer than 10 years, according to household equipment specialists of the U.S. Department of Agriculture, if it is well-made and then properly used and cared for.

Still in service in many homes are some of the first automatic refrigerators, washing machines and vacuum cleaners manufactured. Owners of these early models often report few and only minor repairs during 20 or even 30 years of use. In fact, it is sometimes said that such equipment was "too well made" because thrifty families dislike parting with such old faithful servants even when new improved models offer more convenience and other advantages.

### Lasting Qualities

Families who are investing in equipment today need to give special attention to lasting qualities because more metal and other materials, as well as labor, will be going into defense products. Neither price nor appearance is the guide to long service.

Generally it is safest to buy from a well-established manufacturer with a reputation for quality products who can back up his guarantee. Depending on the manufacturer is necessary because many of the construction features that count most are enclosed in the equipment so that they cannot be examined by the

Plain or "standard" rather than deluxe models generally offer the most for the money. Elaborate trim, fancy gadgets or other extras bring

"How long will it last?" is a up cost without making the equipquestion often asked by purchasers ment do its main job any better. The essentials generally are the same in a manufacturer's plain or stripped model as in his deluxe models because they all are turned out on a production line.

### Maintenance

Worth considering especially when more labor will be occupied in defense work is that the simpler equipment and the less extras it has, the fewer the parts to get out of order. Repairs and maintenance on equipment need to be thought of as well as initial cost.

On electric equipment look for the UL seal of the Underwriters' Laboratories as assurance of safe performance.

For convenience and prompt servicing, buy from a local dealer with a dependable service department to avoid the inconvenience of sending parts back to the factory for repair.

### Foot Toasters



THESE FOOT TOASTERS are worked in a cable stitch pattern and trimmed with red and blue. The soles are leather and come readymade for hand-knitted and crocheted socks. Pattern is available by sending stamped, self-addresed envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill.

# 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.

A recipe for Christmas Candy:

1 cup nut meats
1 cup rich milk
1 teaspoon vanilla
1 tablespoon butter

Boil ingredients eight minutes, remove from stove and beat until very stiff. Pour on buttered plate and put aside for at least two hours, or over-

night—then cut in squares.—Mrs.

Joseph Haarmann, Jr., R. R. 3, Ef-

fingham, Ill.

To get rust stains off your windows, go over them with plain dry steel wool and then wash them. They will look like new and the steel wool will not scratch the glass-Mrs. Woodrow Smith, R. R. 2, Cutler, Ill.

A Yo-Yo Cookie recipe: Cream one cup brown sugar, one cup white sugar, one and one-half cups of shortening (part butter). Add two well beaten eggs; dissolve one teaspoon soda in two tablespoons of vinegar; sift together, two teaspoons baking powder, four cups sifted flour, one-quarter teaspoon salt; one teaspoon vanilla, one teaspoon almond flavor. Mix in order given. roll in ball size of walnut, place on greased cookie sheet and press down with fork. Bake in moderate oven 15 minutes. You may sprinkle top with sugar if you desire.-Mrs. Beineda Manley, R. R. 1, Paris, Ill.

If you do not have a defroster on your car-dip a cloth in alcohol (not permanent type because it is oily) and wipe over windshield. This will keep ice from freezing on the windshield. Mrs. Alma Wangler, R. 4, Mt. Vernon, Ill.

An iron skillet is cleaned perfectly when grease is burned on by setting on a bed of coals in furnace. Leave only until grease burns off. Watch closely. Cool and rub with steel wool. Just like new!—Mrs. Roy Williams, Utica, Ill.

# Hunting Cap



(A Pattern)

# Pattern List

We've included on our pattern list this month some last minute gift ideas along with suggestions for Christmas gift wrapping, Christmas party ideas and decorations which we hope you will find of assistance for your Yuletide season planning. We'll get the leaflets out just as fast as we can, but be sure to get your order in right away. The patterns are FREE! Just send a STAMPED, SELF-ADDRESSED envelope to Kay Conlan, Illinois REA News, Box 1180, Springfield, Ill., for every FOUR pattern leaflets you

Ideas For Fun

Novel Uses For Xmas Cards Wrapping Xmas Gifts To Eat Table Favors For Xmas Kris Kringle Decorations Unusual Xmas Gifts To Make Little People's Xmas Gifts Christmas Cards To Make Wrapping Xmas Gifts Xmas Table Decorations Place Cards and Favors Boy Blue Birthday Party Baby Bunting Party Bridal Table Decorations

Items To Sew

Knitting Bag Two Gift Aprons Felt Toys (Swan, Bunny) Pine Tree Place Set Sea Gull Applique Luncheon Set Felt Belt Print and Plain Apron Nylon Blouse Mother-Daughter Aprons Three Fruit Potholders Square Dance Skirt \* Smart Sewing with Cotton Bags

Items To Knit

Striped Afghan (Cable Stitch) Man's Knitted Tie, Socks Two Carriage Covers Men's Argyle Socks

**Sweaters** 

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

Helpful Hints

Gift Ideas Decorating with Rayon Fabrics Removing Spots and Stains Tips On Making Buttonholes

Toys To Crochet

Floppy Dog Dress, Hat For Doll Crocneted Christmas Doll Pussy and Bunny Puppy Black Cat and Pink Dog Loopy Dog and Ball

### 'Old Favorites'

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 Frothy Centered Pineapple Doily Hectagon Shaped Doily Shell Stitch Chair Set

Items To Crochet

Crocheted Baby Set Penguin Bath Set Girl's Hat. Mittens Three Quick-To-Crochet Gifts Classic Beret Crocheted Headband, Bracelet Fireside Afghan Hat and Bag Set Perky Crocheted Hat Baby Soaker With Bib Dressy Hat Crocheted Scatter Rug Pineapple Popcorn Kitchen Set Square Pineapple Doily Beige Wool Hat \* Learn to Crochet Pillow Case Trim Guest Towel Edgings

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

# Little Bottle of Nail Polish Has Many

# Ingenious Home Uses

NAIL polish is one of the biggest little bargains in a dime store. If you hadn't thought of it in that way, buy a couple of bottles, one of clear, and one of red, and try them. Keep them handy, not to glamourize your nails, but to help you and your family in many ingenious ways about the house.

For example, protect costume jewelry from tarnishing by brushing it with clear polish as soon as you buy it. This keeps the metal shiny and prevents its discoloring your skin. And you've doubtless found how quickly it stops those aggravating runs in your nylons.

Clear polish can cement loosened objects such as screw-ons, bric-a-brac, and plastic buttons. It seals bottles of volatile substances that are seldom used, such as perfumes.

#### Medicine Bottle

If the label on a new bottle of medicine is glossed over with clear nail lacquer, the important directions and refill number are preserved for future reference. And a quick brushing of the same will keep your canned goods labels from falling off because of dampness.

When small tots' shoe laces lose their tips, twist the ends, dip them in clear polish, and presto—they'll go through the shoe-eyes like new again. You can do the same for a stiff tip to string beads. It's handier than a needle.

When an occasional chigger bite drives you nearly frantic with incessant itching, dab a bit of clear polish on it. The pest will smother and you will sigh with relief.

There are endless uses for colored nail polish. Give your imagination full sway, but here are a few tips to start you off:

# Hand Paint Dishes

"Hand-paint" plain white dishes with bright red lacquer. Cup handles, edges of plates, saucers, and sauce dishes all become more attractive when touched with a thin edging. Or a raised design can be colored to make the dishes look much more expensive than they really are. Ash trays and vases from the dime store will often benefit by a dash of extra color and individuality. One application will last through many weeks of dishwashing. When it does begin to wear off, you or the children can easily touch it up in a liffy.

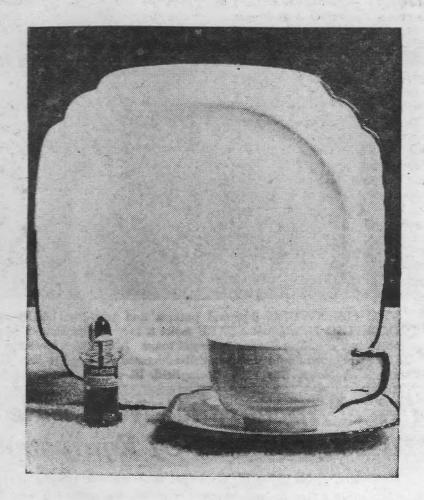
If there's illness in the family, paint a pert initial or flower on cup and glass to identify its user. In fact, every member of the family, whether ill or well, will like having his glass

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PLAIN WHITE dishes can be effectively "hand-painted" with bright red lacquer. Cup handles, edges of plates, saucers, and sauce dishes all become more attractive when touched with the thin edging.



TOT . NOME ANY YEAR

marked. Thus, each one will know "tis his, and his alone." This saves dishwashing because each one uses only one glass between meals.

You will more than delight a guest by marking a glass with his initials. Whether for a meal or a day, he will appreciate your thoughtfulness, and again you will have few glasses to wash. The polish is quickly whisked away later with a dash of remover on cotton, or a few light strokes of a knife.

### For Marking

Colored nail polish is especially handy to mark china, silver, or pans that go picnicking or camping. At the end of the outing, your own belongings are easily gathered together. And if a Boy Scout goes to camp, he's certain to get back home with the same articles you sent, when there's a dash of nail polish applied in your own individual mark.

Like every housewife, you doubtless have a bit of "Scotch" in you when it comes to throwing away fruit jars that are perfectly good except for a slight nick or two on the edge. But how exasperating on canning day to have jars lined up ready to fill, only to find several have chipped edges! Avoid this by dashing a bit of red polish on bottom of each one when first you notice a chipped place. They'll be good for storing cereals, dried beans, and numerous other items.

Bright red polish is like a red flag of danger when painted heavily on top and sides of containers of poisonous or harmful substances. Splash it on freely. Then educate yourself and family to Stop, Look and Think before ever opening or using the contents of a bottle so emblazoned.

Rummage through your trinket box. You'll

probably find a pair of ear-clips or an old pine that you don't want to throw away, but that is tarnished or worn. Coat these with red, red polish. You'll be proud as Punch with your "new" costume jewelry.

### Brighten Clothes-Pins

Brighten wooden clothes-pins with nail lacquer to hold potholders, towels, or what-have-you proudly in place in the kitchen, or as napkin-holders when you need extras.

If you have Christmas tree bulbs that still burn, but are spotty in color, paint them with red nail polish. They'll look bright as new. Or if you prefer, add fruit coloring to clear polish. Results are guaranteed to please.

Glistening red walnuts (thanks to nail polish) add inexpensive bits of color to a Christmas tree, and are also safe it there's a small youngster who likes to see if the decorations taste as good as they look.

You can make your own personalized note paper in a jiffy. According to your mood, sketch a gay flower border or a single plossom. Paint a dignified monogram or a replica of your home. It's fun to express your individuality with nail lacquer. You don't need to be an artist. You don't need to know a thing about painting. Just try your hand at polish-painting on two or three sheets of stationery. You'll not want to stop.

However you look at it, nail polish is a super-investment in your home. Keep it handy. Use it whenever the notion occurs to you. You'll find more and more ways to make it work for you. And you'll wonder how you ever got along without it before. For truly, nail polish keeps house, plus!

# Clinton Electric President Tells Annual Meeting 'Gas Ranges Have No Place On Co-op Member's Farm

President Vincent Albers of Clinton County Electric Cooperative urged members to give their co-op full support by using electricity in every practical way possible. He spoke at the 12th annual meeting of the co-op, November 2, at Breese.

Since electricity has been one of the greatest advancements of the century, the farmers should take complete advantage of the benefits in better living and higher profits which it affords," the president said.

Every co-op member should patronize his organization 100 per cent, he continued. Bottled gas ranges have no place on a member's premises. Not only are electric ranges more efficient and economical, but they use the product which 'your own organization was set up to sell.'

#### Rate Reduction

A reduction in retail rates was recently put into effect as a result of the lower wholesale rate received from the power wholesaler, Albers announced.

The past year was a very successful one he asserted. The co-op expanded its lines and now has more than 700 miles of lines, farther than the distance from Breese to Chicago and back. "We have approximately 12,000 poles besides a great deal of other kinds of equipment which makes the maintenance job a considerable one."

The president asked for the continued cooperation of members in reading their meters and paying their bills on time. Also he asked that they report any unusual conditions they may observe along the lines and that they keep their fence rows clean.

A much-needed office building is planned, Albers said. A warehouse will be attached. Plans have been submitted to REA for approval. Construction will depend upon the defense situation, he added.

Manager Reports

Again this year, Manager Joseph H. Heimann reported that "no one waits for electric service from Clinton County Electric Cooperative." Anyone wishing service will be connected immediately. However, if shortages of materials, such as copper become acute, "we may not be able to maintain this policy."

During the past year, 48 miles of line connecting 135 new members was built, the manager said. Kilowatt-hour consumption increased 15 per cent with an average of 266 kwh. per user a month reached in

Extensive rebuilding was underaken, Heimann revealed, including heavier lines to take care of evergrowing loads, and new substations. He predicted that the reconversion work will be completed soon.

Other Improvements

Other system improvements for the betterment of service included the addition of automatic equipment, and brush spraying. Installation of two-way radio communication in coop trucks is underway and will help maintain better service.

The manager told of the wiring conditions uncovered by the wiring inspection, which the co-op is making available to all the members. They varied from pennies behind fuses to wiring that does not meet specifications.

'It is not compulsory for you to make corrections to your wiring that the inspector recommends, but we urge you to do so since it is for

your benefit. It will mean safer and better service for you," the manager emphasized.

The manager expressed the idea that perhaps the "middle man" could be eliminated in financing rural electric co-ops, if the farmers would loan their money directly to the co-ops, instead of to the government via banks, only to be reborrowed by the farmers. It would mean the farmer would get interest on millions of dollars which banks do not now pay them. Maybe such a plan is worth investigating particularly by those who complain that the government is doing too much financing, Heimann added.

#### Taxes

He spoke on the subject of taxes saying that the co-op pays all taxes except profit taxes from which it is exempt because of its non-profit nature. He also explained capital credits as the difference between the amount of money the member pays for electricity and the actual cost. "This is what repays the loan and is therefore your capital investment. A record is kept of your share of the capital and credited to you.

We should always realize that the cooperative is the only way electric service would have ever been brought to every farm home and rural establishment. By grouping and working together it has been possible to accomplish the distribution of electric power on an areawide coverage basis," the manager

The report of Robert W. Holtgrave, treasurer, revealed that the cooperative has repaid 38 per cent of its loans to REA and that the co-op has an excellent financial

Editor Speaks

In the principal address, William E. Murray, editor of the Illinois REA News, spoke on the subject, The Importance of You."

Underestimating your own importance is normal because most human beings cannot help but be aware of their inferiority in the face of the mysteries of nature and the cosmos, and the perilous developments of our day and age," the editor declared. "Only a very foolish man could feel superior.

'But this natural tendency of underestimation keeps people from realizing their tremendous importance in the affairs of government, commerce, and even the local rural electric cooperatives.

Determining Factor

"However, what you, as individuals say and think, determines the and bathroom fixtures. type of government we have, products on the market and the magazines and newspapers you read. Each one of you influences many people around you, most of whom you don't even know, and in turn your opinions are snowballed into gigantic proportions unknown to you," Murray affirmed.

"Because you think that most people hold a different opinion from yours and because opinion takes a long time to make itself felt, are the two reasons why you may conclude that what you think is of little sig-

"Applied to your rural electric cooperative, what you think determines how your cooperative is operated. You select others to run it for you. Yet it is their duty to know how you feel and to base their decisions on what the majority wishes.

(Continued on Page Sixteen)



RECEIVING INSTRUCTIONS on how to fit drainage pipe together is this group of power use advisers, who attended the Illinois Power Use School, November 13-17, at Robinson. They are: left to right, Roy Goode of Rural Electric Convenience Cooperative of Divernon; Instructor Fred McVey of REA; Mel Wittenborne of Southern Illinois Electric Cooperative of Dongola; and James Sherwood of REA.

# Plan And Install Farm Water System At Power Use School

water system and the value of coop membership understanding were the two topics discussed and demonstrated at the Illinois Power Use School, held November 13-17 at

Approximately 17 electric cooperative personnel attended the school which was sponsored by the power use committee of the Association of Illinois Electric Cooperatives, the University of Illinois extension service, and the application and loan division of REA.

The program was divided into three sections: the study, theory, and planning of a farmstead water system; the installation of a water system; and panel discussions on membership information techniques.

Planned System

During the first two days, the cooperative personnel discussed the advantages of farm water supply and how an adequate one should be set-up. They planned the entire installation from sewage to kitchen

On the next three days, the power use advisers journeyed to a farm north of Robinson where a practical application of what they had studied was held.

The work was divided into three three phases, sewage, water, and plumbing. The power use advisers were divided into three groups also to do the work. Each of these groups alternated jobs every two hours.

The sewage group installed the drain pipe, laid the field tile and supervised laying of the septic tank. The plumbing group was concerned with the pipe from the well to the pump inside of the house, while the plumbing group put in the bathroom, kitchen and laundry fixtures.

Each group had an instructor. Fred McVey, of the application and loan division of REA, handled the sewage group; Earl Arnold, also of REA, the water group; and Frank

The installation of the farmstead. Andrew, of the University, the plumbing group.

McVey pointed out that "we are not trying to make plumbers out of these cooperative personnel, but are trying to give them a basic understanding of how a water system should be planned for the farm-

A panel discussion on the "Benefits to the Cooperative from a Well-Informed Membership", was held on Monday evening. T. H. Hafer, chairman of the Illinois power use committee, conducted the panel.

A banquet was held on Wednesday evening, after which a panel discussion on "Who Shares Responsibility for Building Member Understanding," was held. Wayne Maley, power use adviser of Southwestern Illinois Electric Cooperative of Greenville, was chairman.

# Allen--

(Continued on Page Two)

payroll of a number of utilities, including Virginia Electric and Power Co., as a high-salaried consultant. Ellis' argument carried the day, and Falck was eliminated despite powerful utility pressure in his behalf.

Propaganda Tour

Grover Neff, of the Wisconsin Light and Power Company, who in 1935 claimed that all the farmers who would ever want electricity were being served, is now making a propaganda tour of the Midwest with a hand-picked group of utility officials. They are visiting farm and other editors, and are peddling an aggressive line of anti-public power blather. In Iowa, the Neff band visited the editors of Successful Farming and Better Homes and Gardens, urging them to write editorials opposing more REA transmission and generating loans. Other editors visited were in Kansas, Nebraska, Iowa, and Minnesota.

# **State Board Considers Varied** Agenda At November Meeting

The board of directors of the Association of Illinois Electric Cooperatives heard a report by William M. Planert on the Illinois Agricultural Association convention held recently in Chicago. This took place at the regularly monthly meeting of the board, November 17 in Springfield.

A resolution (see Page 3) concerning the I.A.A.'s stand on cooperative generation and transmission was submitted by Planert. He is also president of the Illinois Statewide Power Cooperative.

A committee was appointed to represent the Association in liason work with the Illinois Public Power Association.

Manager A. E. Becker reported that the Rural Electrification Administration had decided to defer enforcement of the "prevailing wage policy" on force account construction until further study can be given to the problems involved. A memorandum dated November 15, from REA has notified all cooperatives of this development.

The board voted not to hold the Illinois breakfast at the 1951 National Rural Electric Cooperative Association convention in Cleve-

Becker reported that 13 to 14 cooperatives are interested in the annual meeting caravan. He said that the cutbacks in appliance manufacturing, and the increased costs of rentals for caravan equipment, might affect the feasibility of the plan. He told the board he would contact manufacturers to determine the extent of their participation.

E. C. Collier of the REA management division, gave an outline of the management analysis and forecasting system furnished by REA to cooperatives.

# Co-op Folks Put Golden Rule In Practice To Help Their Neighbor

William Doubler of Annawan is one farmer who knows that his neighbors and friends practice the golden rule.

Doubler, suffering from a rare blood disease, was hospitalized at the Mayo Clinic, Rochester, Minn., before he could pick his 127 acres of corn. "Who was going to pick the corn?", was a problem neither Doubler or his wife had an answer

But unknown to the farm couple several of their friends and neighbors had discussed his plight and had organized a harvest day at the Doubler farm. And early on the morning of November 13, 74 farmers with a great array of tractors, corn pickers, wagons, portable elevators and other equipment descended upon the Doubler farmstead.

# Homemakers Help

And before noon the corn had been harvested and the hungry farmers came in from the field to the farmhouse where they found that 22 homemakers had prepared a large meal consisting of 18 chickens, more than a bushel of potatoes, 27 pies, four large cakes and dozens of bowls of vegetables and salad.

When asked how she felt Mrs. Doubler replied, "it makes me feel good to know I have such fine neighbors. We all appreciate what they did. I do not know how we shall ever be able to really thank all of these kind people."

Lloyd De Rue, neighbor of the Doublers and the person who set the date for the harvest affair, said that when "we called for some help for Doubler, the response was quick.

Both Doubler and De Rue, as well as most of the 96 persons who turned out for the corn picking, are members of the Illinois Valley Electric Cooperative of Princeton.

Those who assisted at the corn harvest and furnished equipment

Bozo Croegaert, Fred Rostyne, Bill Haverbeck, John Van Hyfte, John Hermie, Gus Bloome, Harry Heath, Ezra Gripp, Frank Van Quickleberg, Art Walgrave, Virgil Walgraves, Berl Shaw, Ed Brown, Jiggs Rakestraw, Leonard Anderson, Orville Croegaert, Hub De May, Francis Loncke, Harry Loncke, Fluf Rakestraw, Marion Rakestraw, Jens Miller, Henry Van De Voorde.

Ralph Van De Voorde, Rene Seirens, Don Teates, Earl Salzman, Ed Elgin, Vernon Elgin, Aloice Croegaert, Virgil Croegaert, Cyril Dauwe, Marvin Decker,

Joe White, Walter Gripp, Al Wancket, Vic Wancket, Charles Van Damme, Cliff Verdick, Chuck Van Vooren, Don Van Damme, Looie Van Damme, Bill Vyneman, Bob Dumers, Clarence Carrington, Tip Hodgett.

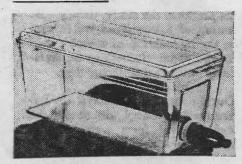
Mandius Dolander, Ed Cathlyn, Bill Esher, Gene Esher, Ed Vandersnick, Gene Vandersnick, Lawrence Van Hyfte, Pete Swanson, Shorty Huughe, Lawrence De-Ed Doubler, Ray Boolinger, Frank Verbeck, Bob Anderson, Nels Anderson, Andrew Anderson, Sam DeReu, Murray Matson, Vic Hanson, Irvin Nutt.

Beck Price, Evo Demuynck, Perdon Sturtewagon, Bill Frankenrider, Fred Getz, Don Doubler and Vincent Cause-

The women present to help out in the kitchen were:

Mesdames Lloyd De Reu, William Vyneman, John Youngberg, Frank De-Decker, Mell Celus, Bill Esser, Charles Van Vooren, Ed Verdick, Lam DeReu, Ed Cathelyn, Phil Goebert, Pete Sturtewagon, Ed Elgin, Henry Van DeVoorde, Bill Haverbeck, Vic Wancket, Art De Splinter, Leo Doubler, Al Wancket, Junior Burgess, and Misses Genevia Elgin and Bernadine Anderson.

# What's New?



INSTEAD OF unhandy bottles kept in the electric refrigerator for cool drinking water, it is now possible to have a new glass tray with a handy tap from which to obtain the water.

The tray which holds over a gallon of water doesn't take too much space in the refrigerator and has a removable, push-button spigot. For service at the table, the new cold drink dispenser can be removed from the refrigerator during a meal.

Warm water and soap or a teaspoonful of baking soda in lukewarm water is all that is needed to clean the tray. It has hand-grip indentations front and back for easy handling outside the refrigerator.

The product is known as Tap-A-Glass and is sold by Foster Products. Inc., 659 Main street, New Rochelle, N. Y. The manufacturer is Trylyn Mfg. Co., San Francisco 4, Calif.

# Co-op Folks

#### RALPH SMITH

Ralph L. Smith is going to make electricity work for him. Like so many other rural electric co-op members, the Clay Electric Cooperative director said that "by using electricity on the farm, I can take it easy and eliminate a lot of needless work.

A charter member of the Flora electric co-op as well as being its secretary-treasurer, Smith said that his plans for using electricity as much as possible on his 220-acre farm are "typical of most rural electric consumers, who at first, thought that their only use for electricity would be for lights but now use it in hundreds of ways.

'And the people who, when the co-op was first organized, refused to sign up for electricity, now want the service immediately," he declared. But the director is highly pleased with this development for he feels that the more electricity consumed, the faster the co-op can repay its debt to the government and be owned by the members.

The director, himself, plans to add a water system on his farm. "I figure that with running water on the place, I can save one-hour a day and also double the number of hogs I feed." He now feeds 51 hogs and estimates that they drink around 50 gallons of water a day, but "would drink more if it were avail-

able, but a man just can't carry enough water by hand for them.'

#### JACOB D. GOTTSCHE

Jacob D. Gottsche is president of Farmers Mutual Electric Cooperative of Geneseo. He has been on the co-op board since it was organized and believes that "without our co-op the majority of our members would still be without elec-

"I may have had electricity," Gottsche said," but I would have had to pay for my own line too. Besides I don't believe in having power when others can't." He said that no farmer should have to be without electricity.

'Why shouldn't a farmer have electricity?", the director asked. 'His production is of vital concern to the economy of our Nation. You wouldn't see a manufacturer do without electricity, so why should the farmer do without it?"

Gottsche farms 120 acres north of Geneseo. His is a grain and live-stock operation. He feeds and raises Yorkshire hogs. He has been farming for 25 years and as he put it, "I am rooted to the soil."

Before he had electricity the director said that he wore out two gas engines on his water pump. "Now all I do is press the button and forget about the pump. No more water worries for me," he declared.

# Clinton Electric Meeting

(From Page Fifteen)

That is what your management

How you will react to a policy, is the primary consideration whenever boards of directors attempt to arrive at a decision," Murray said.

"The stress that co-op directors put on keeping you informed through power-use advisers, the state publication, and other means. shows that the directors recognize the importance of your opinion and want you to have the facts so that you can form an intelligent opinion.

"As an editor, I can testify that what you as individuals think, is the determining factor in the content of magazines. Unless we editors give you something of value and interest to you, you will not read the publications. And a magazine which is not read, is absolutely worthless," Murray emphasized.

He said that the thousands of favorable comments from readers, 'lead us to believe that we think we are on the right track. We hope to stay on the right track and to improve so that your statewide paper will be of more interest and value and will merit your respect and good opinion.

The editor summarized by urging his listeners not to underestimate their importance. "It is only because you thought there was a need for rural electrification that your cooperative was begun. And it will only last as long as you individuals have a good opinion of it.'

Brief remarks were made by State Manager A. E. Becker.

Elected trustees for three-year terms were Myrtle Dierkes, Wylma Haake, and Robert W. Holtgrave. Distribution of attendance awards concluded the meeting.

# Washington Report

local electric co-ops.

# Move to Dismiss Suit Halting Power Co-ops

Attorneys for five government officials being sued by 10 Missouri commercial electric companies in the Washington, D.C., Federal Court, requested on November 15 that the suit be dismissed.

The commercial electric companies entered the courts in an effort to halt construction of a generating plant and transmission lines by two REA-financed rural electric cooperatives in Missouri.

Rural electric spokesmen had previously expressed opinions that the suit had been filed for publicity purposes and with little hope of winning

# **Defendants**

Defendants in the Missouri electric company suit are Charles F.

Brannan, Secretary of Agriculture; ing a thorough study by state and John W. Snyder. Secretary of the Treasury; Oscar L. Chapman, Secretary of the Interior; Claude R. Wickard, REA Administrator; and Douglas G. Wright, Administrator of the Southwestern Power Administration. The latter is an agency of the Department of the Interior charged with the wholesale marketing of government-generated power in the southwest.

> The Missouri electric companies want to force the administrators being sued to stop advancement of REA toans to Central Power Co-op and N.W. Electric Co-op in Missouri. The two co-ops plan to build a generating plant, the output of which would be sold to SPA to "firm up" the water power. In return the co-ops would purchase power from SPA. Another part of the plan calls for the SPA use of the transmission lines and ownership of them at the end of 35 years.

# Your Co-op Newscolumn

# **NEWS FROM** Illinois Valley

Princeton, IIL 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, Mainten-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 Prince-

Sincere seasons greetings and best wishes to all members and friends for a most happy and joyous holiday season from the board of directors and employees of the Illinois Valley Electric coopera-

#### SHOP EARLY

Santa Claus advises that all members, who plan to give electrical appliances and gifts for Christmas, should do their shopping ear-

Certain electrical appliances including refrigerators, ranges, etc. are being allocated to dealers and this has limited the available supply. Giving something electrical for Christmas is always an excellent suggestion. Makes the recipient a most practical gift. So, something electrical for Christmas and do your Christmas sopping early.

# 4-H CLUB PROGRESS

During November 4-H club members were honored by achievement day programs held all over the nation. The junior members of our cooperative in the eight counties served, their leaders and rural youth assistants deserve all honors accorded them.

The remarkable progress made in developing the 4-H club program is a good sign of the type of 4-H leaders. The work they are doing to build character, responsibility and self-reliance in our rural youth, is ample proof of good self-reliance leaders.

The rural electrification program developed

by the REA

has also had its

part in the 4-H

club program.

Cooperative

power and serv-

ice has made

possible the de-

velopment and

extension of



F. I. Ruble

4-H club projects. Because of its convenience and versatility, appliances and equipment adapted to its use have aided greatly in the production of poultry, swine and stock of higher quality. Cooperative power has also been a real factor in developing he future home-makers program.

The national 4-H club congress keld at Chicago, November 26 to December 1, brought together national, state and county achievement winners from over the nation. This congress was stimulating to all who attended. The Illinois Valley Electric Cooperative congratulates the winners and their leaders.

President and Mrs. Upton Craig, Victoria; Director and Mrs. Dale Anderson, Galva and Mr. and Mrs. Fred E. Darr attended the Westinghouse Electric Supply Company dinner held Tuesday evening, November 28 at the Stevens Hotel, Chicago. This dinner was given by Westinghouse to honor winners of the 4-H club electric program.

#### THINK THIS OVER

Everyday our cooperative members are contributing their share to America's strength for peace or war. Today nearly 85 per cent of our nation's farms are electrified. In the area served by our cooperative it is approximately 97 per

The amazing fact is that only 15 years ago only 10 per cent of the nation's farms were receiving central station service. The REA program was started in May 1935 and has steadily progressed. Today ourmembers are using more electric power. In fact in 1949 only two other Illinois cooperatives averaged more kilowatts used per month than your coperative, and there was only a dif-ference of six kilowatts per month between second and third place.

In today's emergency with manpower growing in shorter supply, and food demands increasing, more electricity may be the only

Those in the government realize, you can be sure, how important electricity is to food production in our nation's rural areas. You can also be sure of one thing more
—farm power—electric power—is power for defense.

# BULLETINS RECEIVED

A series of bulletins released by REA compiled under the supervision of J. P. Schaenzer, head, electro-agriculture section technical standard division, have been received at your co-op office.

Data and research information on electric home pasteurizers, home freezer specifications, automatic clothes washers, electric ranges, electric water heaters and abstracts on crop conditioning are contained in these highly informative bulletins. If you are particularly interested in securing information on any of the above subjects please advise us and it will be forwarded to you.

# NEWS ABOUT MEMBERS

Mrs. Edith Kays, secretary-director of your cooperative, has been invited to attend a conference at REA headquarters in Washington D. C. to be held December 4-7. The conference will bring together a limited number of cooperative directors from over the nation, to discuss and plan a public relations and power use program which can be adopted by all electric cooper-

Others attending from Illinois include John Sargent, president and A. E. Becker, manager, representing the Association of Illinois Electric Cooperatives.

Manager F. I. Ruble and Fred E. Darr were guests of Manager Warner Russell of the Southeastern Iowa Electric Cooperative, Mount Pleasant, Iowa when he entertained managers from Iowa REA Cooperatives at an open house held at the co-op office November 16. The cooperative recently completed their new office building and the visitors appreciated the opportunity to inspect it. A delicious turkey dinner was served those attending the meet-

A new barn has just been completed on the Earl Chalus farm in Waltham township, northeast of Utica. It is entirely modern and co-op power will be used effectively in the structure. The barn is of the type which can be used to feed cattle as well as for general

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

Mt. Vernon. IL. H. G. Downey, Manager

The board of directors and employees of Tri-County Electric wish to again extend Christmas greetings to the members of the cooperative, who now number more than 6500. The times in which we live are again becoming uncertain and this factor is being increased

For example, our suppliers of materials for line construction are withdrawing all their price lists and costs of materials are the prices in effect at the time of shipment. Many companys will not guarantee prices beyond 30 days, at the present time.



H. G. Downey

and that is the Christmas story which we read and think of every year with hope that this world some day

But there is

one story that

does not change

and can be de-

pended upon

may regain its senses and realize that warfare gains no one anything.

#### Construction Report

Our contractor, the Oil Field Electric Company, expects to have completed construction of all lines on the present contract by the last of November. It is our hope to have all of these lines energized and all members on these lines receiving service by Christmas

The number of applications on hand indicates that we will probably not let any more contracts for line construction as our own crews should be able to handle the amount of line remaining to be constructed during the year 1951.

The month of October was a very exceptional one for line construction work, in fact it was much better than the summer months of August and September. Our crews completed 15 miles of line during the month of October which is the largest construction month to date, this year. System improvement work, which improves your service, is proceed-

The Washington county crew, under the direction of Charles Swain, is now rephasing lines in the western part of Washington county and the Marion county crew, in charge of Bob Worley will start rephasing work north from our Alma substation, located at overhead bridge north of the Salem.

The Jefferson county crew, headed by Francis Wittenbrink, has completed the three-phase and two-phase lines down the Log Cabin road which will improve service and voltage regulation for all of the members of the cooperative living near Spring Garden and south of Belle Rive.

# OUTAGES

The Illinois REA News has included in this issue, an article giving figures on outages determine the efficiency rural electric service and along these lines we have tabulated our outages for the first six months of this year. Outages, like flies, mosquitos and thorns on rose bushes, are aggravating to all con-

We who are responsible for the operation of your electric system realize how essential electric service is to your property. It is becoming so essential that you have use for it

24 hours of the day. That is one of the reasons your cooperative has spent approximately \$60,000 the last year on additional system improvement to improve your continuity of service.

Getting back to the tabulation of outages, we found that during the first six months of this year we had in the three counties in which we serve 59 outages. Fortynine per cent of these outages or 29 of them were assumed to have been caused by lightning. After patrolling the line we could find no other reason why the line was put out of service.

Limbs and trees are still causing a few outages, how-ever this percentage figure is decreasing rapidly and we expect it to be a minor item in the very near future as our tree crews under the super-vision of Leo Revis in Jefferson county, LeRoy Hess in Marion county and Charles Swain in Washington county are making great headway in removing all dangerous, leaning and dead trees from our

During this six-month period 13 per cent or eight outages were caused by limbs and trees. It might be interesting to note that we had four line outages that were caused by members who felled trees on our line. The balance of the outages are rather assorted, consisting of cats, loose connections, broken insulators, broken arrestors. broken wires, defective reclosures, defective cutouts and etc.

During this same period we have in our files reports covering 114 individual outages. These are outages that caused the interruption of service to an individual member of the cooperative. The largest item on this is shown as "unknown". When we reached the scene of the trouble we found a fuse blown on the transformer and could find no reason why it had blown.

Ninteen outages during this period were caused by un-known reasons. The most common causes for individual outages were: lightning, which accounted for 14 outages; trouble on the members side of the premises, 14 outages; overloaded transformers or transformers that failed, 13 outages.

Loose connections also came in for their share, and we had 13 outages caused by loose connections. Our maintenance program, which is scheduled to get under way in the near future, will, of course, assist greatly in reducing outages caused by loose connections.

The balance of the outages can be attributed to limbs and trees, birds causing fuses to blow, service wires pulled loose from houses, houses that have burned down, broken wires and defective equipment. A study of these or will do much to guide the course of work so that we can improve your service. That is why we have spent the time to tabulate the outages and report them to you.

# NEW EMPLOYEES

The increase in connections has resulted in the cooperative purchasing a new posting machine, which is scheduled for delivery during the month of November. In connection with this work we have hired a new employee, Helen Glover of Mt. Vernon to assist with our office work.

# EMPLOYEES

We would like to report that Mr. and Mrs. Earl I Tanner are the parents of a boy named Joe Earl, born Tuesday, November 7, at 12:51 p. m. Mrs. Tanner will be remembered as Myrtle Baltzell, our former work order clerk.

# SALEM OFFICE

Bids will be taken December 20 and garage space for all of the systems.

cooperative supplies and equipment.

### OPERATING STATISTICS

	Sept.	Sept.
	1949	1950
Miles energized	_1648	1902
Revenue		
per mile	\$23.52	\$22.71
Connected		
members	5869	6460
Density		
per mile	3.56	3.40
Average bill	\$6.60	\$6.69
Average		
kwh used1,3:		
Kwh sold1,10	00,952 1	,274,732

# **NEWS FROM** Corn Belt

Bloomington, Ill. T. H. Hafer, Supt.

We want to thank several of our members for their fine help in cooperating with our employees in keeping good service and proper metering of the electric power. Many members write us cards telling us that their



T. H. Hafer

stopped; some wires are hanging too low; that a guy wire has been cut or broken loose, or so on. A most recent

meters have

bouquet should

son of Towanda. One morning several of his neighbors on the same line called in and stated that their radios were unusable because of too much static. Then Mr. Brunson came in and reported that his lights were flickering and that he had seen some flashes at the top of his transformer pole.

We immediately radioed this message to our men in their truck who were looking for the radio trouble. They went directly to Mr. Brunson's and found a loose clamp at the top of his transformer which was causing all the trouble.

# 4-H WINNER

We are glad to report that Gordon Schroeder, of the Bloomington Busy-Bee 4-H club, won the state award in the 4-H Farm Electricity contest. He received a \$50 war bond. Gordon has been one of the leading farm electricity 4-H members in McLean county ever since the project was started.

# UP TO DATE

Your co-op directors and employees want to be in the position to keep your electric service in the most up to date methods possible. In order to do this they must know chances to get new ideas. Three opportunities used recently were:

Two Directors, Mrs. Ruth Otto and W. B. Ellis, along with Joe Crosno, wiring inspector, and T. H. Hafer, manager, attended the National Farm Electrification conferences at St. Louis recently. At this meeting farm electric engineers, manufacturers, utility and co-op men all met together and discussed their ideas for better farm and home electric equipment.

Our office employees including J. D. Schunk, Sue Watson, Betty Chismark, Jean Stevens, Donna Ortman, and Beulah Miller recently took a day to visit the co-op offices at Divernon, Greenville, Steeleville where they visited briefly with the employees of each co-op office and swapped ideas on how best to take care of the cooperative records.

At Steeleville they saw a new coop building which made them just a little bit envious. They reported a very worthwhile time spent with friendly employees who were interested in doing the best job possible for their cooperatives.

Joe Crosno, wiring inspector, and at 8 p. m. on the building the co- T. H. Hafer, manager, attended a operative proposes to construct one week plumbing school, held for north of Salem on Route 37. This co-op personnel in Illinois, so that building is part of an overall plan they could be of more help to co-op to provide sufficient warehouse members who want to install water

# **NEWS FROM** Southwestern Electric Co-op Greenville, III.

V. C. Kallal, Manager

#### TELEPHONE NUMBERS

ond 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.

ayette County—Maurice Ketten, St. Elmo 326.

Elmo 326.

Madison County—Ed. Bernes, Edwardsville 1087.

Your annual meeting held October 19 was probably the most poorly attended in the history of the cooperative. Your keen interest in the affairs of your electric cooperative is necessary for its success and hence it was most discouraging to find such a small number attending the meeting.

The weather was perfect for soybean harvesting, corn picking, and wheat sowing and therefore many of you stayed at home. Perhaps it would be a good idea then to give you a few of the facts concerning electric cooperative which were given at the meeting.

Your President, G. G. Pape, of Edwardsville, reported that the gross revenue would exceed \$550,000 for the year 1950, and that this would increase to more than a \$1,000,000 annually by 1960. He further stated that your electric cooperative was growing into a large enterprise with an investment of over \$3,000,000 at this time.

Mr. Pape complimented the mem-



bership and that of more than 1,000 other electric cooperatives for having the courage and ability to develop successful electric cooperatives. He emphasized that the rural elec-

V. C. Kallal tric cooperatives are self-liquidating and put no burden whatsoever on the taxpayers of the nation. It was pointed out that with good management, the cooperative would, in time, be debt-free.

# BETTERS COUNTRY

Mr. Pape continued by stating that your electric cooperative has done much toward community betterment, has increased the taxable wealth in the community and has made business for the local business men. It has benefited both industry and labor in the large manufacturing centers where the line construction material, wiring, and electrical appliances are made. In this way, he said that the rural cooperatives have helped substantially to maintain a highlevel of employment all over the United States.

The treasurer's report by Edward P. Ohren of Pocahontas showed that \$383,609.78 had been repaid on the indebtedness of the cooperative up to August 31, and that during the same time \$193,302.91 had been paid in interest.

It was also pointed out that since 1940, the cooperative has paid over \$61,000 in state taxes, \$24,000 in local taxes and over \$12,000 in social security taxes. To this could be added sales taxes on line material purchased, gasoline, oil and taxes on telephone service and a host of others.

Make up your mind now that you won't miss your next annual meeting. Plans, in cooperation with some of the other electric cooperatives, are now being made for having the next meeting outside under a tent sometime during the months of July and August.

# NEW HEADQUARTERS

The Rural Electrification Administration has recently approved the construction of an office and warehouse at Greenville for your cooperative. It is expected that construction still can be started this fall. Work is progressing satisfactorily on the new warehouse at Edwardsville.

By the time you read this, the construction of the radio towers at Greenville, St. Elmo, and Edwardsville will be almost completed. All these service facilities will make for efficiency in operation of your electric cooperative.

# CONSTRUCTION

Enough work now has been com-

southeastern part of Bond county should notice a definite improvement in voltage. Likewise approximately 100 members in St. Jacob township should now enjoy better service since the rephasing work best." has been completed in that area.

Also, enough progress has been made up to this date that those members living south of US 40 and around St. James, Bethlehem and Gilmore are now finding their appliances work with a better efficiency. More work in the last mentioned area, weather permit-ting, will be done by the time this Illinois REA News gets to your mail box.

Less than 200 applications for service are now on file in your office. Connections made during the month of October bring the total membership to over 6,000. The good weather during October which permitted you, as farmers, to get much accomplished was also an excellent line construction weather.

We can probably best express this season's sentiment by quoting from a pamphlet that just came into the office. That greeting is for "A merry Christmas and a safe electrical home all through the vear."

Many of you will be giving mixers, coffee makers, waffle irons, and other appleances as gifts this Christmas and you'll certainly want them to be safe. Your guarantee of safe, construction is the Under-writer's Laboratories' "inspected" label. Be sure and look for it on Christmas tree lights, cord sets, electric blankets, and all your electrical equipment.

And speaking of blankets our recent survey showed that 55 members are enjoying this modern convenience of electric living. The cooperative donated an electric blanket as an attendance award at the annual meeting in Edwardsville and it was received by Henry Wiemers, Dorsey.

#### 4-H CONTEST

Many of you know that we have tried to encourage the 4-H farm and home electric contest in our area this year. The program is set up to develop an interest in electrical methods and equipment, and to apply skill in effective, efficient, and profitable utilization of power.

Your power use adviser conducted several meetings in Bond, Fayette, and Effingham counties in cooperation with the extension youth advisers. He also worked with project members in developing the first year program. The co-op awarded several awards last month at the achievement programs to those with the best projects.

Our congratulations particularly go to the Bond county group who won the state plaque for the best over-all project. We are also proud to note that most of the winners' parents are members of our co-op.

In Bond county, Tom Sussenbach, Greenville, was first award winner and the second place winner in the state contest, a fine achievement; Kenneth Zobrist, Pocahontas, was second and Seldon Gaffner, Greenville, third.

Fayette county winners in order were: Miller Sarver, Ramsey; Mack Jackson, Ramsey; Gene Henry, Cowden; Noel Montgomery, Cowden; and Wayne Lovette, Loogootee.

We did award a prize to the Effingham county winner, although none of our 350 Effingham county members were represented in the contest. Next year, we hope some of them, and many in Madison county, will take part in a project to learn more of the advantages of electricity.

# LETTER

Just a few days after our annual meeting, we received the following letter from Mr. and Mrs. Otto Lotrich, R. R. 1, Mason, which pleased us very much and made us very happy:

"Yesterday was a wonderful day, bright and warm, and everything along the way was colored up just right. We had an awfully nice trip to Edwardsville, enjoyed the meeting very much, especially Farmer Bill and the Magician, and the rest of it too.

"Then on top of it all, got a \$5 award from the Edwardsville Lumber company. Got a gallon of white paint with it-top wages for me. Then we came home through Marine to Route 40 and 128. Got

pleted so that the members in the home about 6:15 p.m. A grand day, sure enough.

> "We think the co-op is in good hands and while the future seems very uncertain, we will go ahead as she lays and weather it with the

#### **OPERATING STATISTICS**

September, 1950 \_\_1,961.79 Miles energized . Revenue per mile \_ ...24.00 Total connected members \_5,968 Density per mile \_ Average bill \_ \_8.03 Average kwh used 238.19 Percent minimum bills ... KWH sold \_ 1,388,914 September, 1949 \_1,792.86 Miles energized -Revenue per mile \_ 21.51 Total connected members 5,310 Density per mile \_\_ Average bill 7.46

214.33

..1,101,446

# **NEWS FROM Clinton County**

Average kwh used

KWH sold \_

Percent minimum bills .

Breese, Ill.

Joseph Heimann, Supt.

Effective as of September 20, the following reduced rate schedule is effective:

### FARM AND HOME SERVICE

First 40 KWH or less per month @ \$3.00 per month minimum bill

Next 50 KWH per month @ 4.0c per KWH Next 110 KWH per month @

2.5c per KWH Over 200 KWH per month @ 1.5c per KWH

#### SERVICE IN RURAL VILLAGES

First 20 KWH or less per month @ \$1.50 per month minimum bill

Next 20 KWH per month @ 7.5c per KWH Next 50 KWH per month @

4.0c per KWH Next 110 KWH per month @ 2.5c per KWH Over 200 KWH per month @

# 1.5c per KWH SERVICE TO SCHOOLS, CHURCHES AND COMMUNITY

HALLS First 40 KWH per month @ 7.5c per KWH Next 50 KWH per month @

4.0c per KWH Next 110 KWH per month @ 2.5c per KWH

Next 800 KWH per month @ 2.0 per KWH Over 1000 KWH per month@ 1.5c per KWH

The minimum annual charge shall be \$18.00.

#### CONTROLLED WATER HEATER SERVICE

Off-Peak Rate @ 1.3c per kilowatt-hour

This rate was effective for all current sold after September 20 and was reflected on your October bill which reached you on November 1. This change in rate schedule was made because of a reduction in our wholesale power contract and was

passed on to you under the policy of your board of trustees to give the members dependable electric service at a minimum of cost.

Robert Hintz, lineman for this

cooperative, has moved to Shattuc. For all outage reports from 5 p. m. to 8 a. m. and on Sunday for area east of the Kaskaskia River call Robert Hintz, Shattuc. OPERATING REPORT

#### Miles energized .702.87 Revenue per mile . \_\$22.69

Connected members Average kwh per farm \_\_\_\_\_230 Average bill per farm \_\_\_\_\$7.78 ....\$7.78 459,997 KWH sold

# NOTES

Water Systems: Fremont Rinderer, Joe Kollman.

Water Heater: Harvel Peters Joe Kollmann, Carrie Felton. Deep Freeze: Henry Heinzmann

George French. Range: Aug Grapperhaus, Rudolph Heinzmann, Lily Eikhoff.

Refrigerator: Lily Eikhoff. Television: Carrie Felton, Gerhard Kampwerth.

Mix-master: Frank Straeter, Henry Billhartz. Milking machine: Raymond Lip-

pert. Pasteurizer: Adolph Gossett Lawrence Korte.

Hot plate: John Orrell, Ironer: Emil Graesser. Fan: Henry Heinzmann.

# **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.

As the news from your co-op goes to press, we take this means of welcoming the members that have been connected on the H section, and we, also, wish that the contractor was finished so that everyone could have electricity.

As most of you remember, the construction contract was supposed to have been finished August 4. The contractor still has 60 miles of poles to set on the project. Naturally the board of directors is getting uneasy because we all know that it is getting the time of year when we have bad weather.

The contractor states, however,



have the lines completed by the first of the year if he does not have too much bad weather. There have been cases where some people wanted

that he will

J. E. Hardy

their lines built before others, but the manager has had nothing to do with building these lines before anyone else.

We know of several cases where the contractor has overlooked short extensions. Of course the contract calls for these lines to be built. and the contractor has to go back and build them. These we hope will be built and completed by the time this Illinois REA News is received by you members.

# RECONVERSION WORK

The reconversion of lines is completed. The area to be served from each substation has been taken from its old source of feed and connected to these three substations. The co-op has yet to complete a regulator station near Route 49 and south of Newman.

New oil circuit reclosurers have been installed on some of these feed lines, so that trouble will be isolated and can be found and repaired more quick-

We would like to take this opportunity to thank you members for your splendid cooperation while this reconversion work was going on. We know that it caused a lot of hardships, doing without electric service while the reconversion work was being carried on, but it was a thing that had to be done so that you members could have better service and good voltage for years to come.

# NOTE

Mr. McConchie is improving very satisfactorily, and it doesn't look like it will be too long before you will see Cliff around the office and around our area again.

# NEW PERSONNEL

Terry Clapp, who has been wiring inspector, but was not an employee of the co-op, has been employed as wiring inspector, and meter tester and repairman. Some of you members have probably seen the new truck that we purchased for Terry to carry on this work with.

At the present time Mr. Clapp is not testing meters, as he will have to go away for some schooling. We are also happy to announce that Mrs. Margaret Schneider of Grandview township has been employed by your co-op and will be one of the girls that you will see a lot of when making office

Your board of directors has also purchased a two and one-half ton truck. This truck is in St. Louis at the present time getting a construction bed made for it. When it is completed, it will be used for the happiest you have ever enjoyed.

construction of extensions for those not being served at this time.

#### **OUTAGES**

On Wednesday, November 8, we had an outage in Douglas county on some of our new line. The outage was caused by someone shooting an insulator, and the rain shorting the same out, thus kicking your line out.

If we could have kept someone from breaking this insulator, this outage would not have happened. Neither would it have cost your co-op around \$20 to find and repair this damage. So let's all caution the young boys about throwing rocks and shooting at insulators.

#### NOTICE

We wish to thank Glenn Randall for calling in to tell us of the damage to our poles caused by lightning. By reporting this promptly our men were able to repair this damage during the day, thus preventing an outage some night, due to this trouble.

We have been accused by a certain party that the co-op had been taking part in politics. We wish to advise you mem-bers that the co-op is not connected in any way with a political machine.

We have directors and employees who belong to both parties, and they vote as they choose. We hope that this statement will make it a lot clearer to parties who think the co-op is a part of a political ma-

# **NEWS FROM** Menard

Petersburg, Il. Howard O. Bell, Mgr.

Occasionally we have requests from members, who are moving from the cooperative lines, for a refund of the membership fee which they paid when they were connected. It is very disappointing to these members to be informed that this fee is not refundable once they have received service.

It is true that our certificates do have a place for the member to sign when the fee is returned to them, but this is done only in cases where we were unable to provide service. However, this does not apply when service has been made avail-

We make a special effort to impress on the new members, when they sign the membership application, that this fee is not refundable to them, yet sometimes it appears that we have not stressed this point enough.

# WHAT CO-OP IS

The Menard Electric Coopera-

tive is just what

the name signi-

fies; it is a co-

operative. To re-

ceive service

from it, it is

you

necessary

member-



This ship applies to Howard O Bell the

first

that

individual receiving service and not to the location. Should you move to another location served by the Menard Electric Cooperative membership will entitle you to receive service at the new location.

So please keep the following facts about your membership in mind: first, your member-ship is not refundable; second, it entitles you to receive service anywhere on the cooperative's lines, but 'oes not permit you to have more than one place connected in your name at one time.

Should you desire to have two or more places connected at one time it will be necessary to secure an additional service permit. Third, it cannot be sold or transferred to another party and fourth, it is not a deposit and cannot be applied to your final energy bill. Clip this out and place it with your membership certificate and it will save confusion at a later date.

This will be the last issue of the Illinois REA News to reach you before the Christmas holidays and the board of directors and the cooperative personnel wish to take this opportunity to extend to all you members of Menard Electric Cooperative their sincere wish that this Christmas season will be the

# **NEWS FROM** Egyptian Co-op

Steelville, 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. ex-cept 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.

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
Manage, Steeleville, No.

William Muench, Steeleville, No. 82-R-12.

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.

The month of December brings everyone's mind the joyous thoughts of the approaching Christmas season. Since we were children, Christmas has been one of the high spots in each year.

The many beautiful church Christmas programs are now being rehearsed by the youngsters. As we listen to the children recite their little speeches in the home and later at the Christmas program we feel the full meaning of Christmas deep in our hearts.

Peace on earth, good will toward men is becoming in creasingly more important to the Christian people everywhere in the world, so let us all with folded hands continue to pray that this old saying becomes

On the lighter side when the



children are not busy with their studying and in the evening when the grown-ups are relaxed from their day's work, elaborate plans are being made

R. S. Holt for decorating christmas trees, gift purchases and family reunions. May we take this opportunity to wish you and your family a most joyous Christmas season and a happy and prosperous New Year with peace on earth, good will toward men prevailing everywhere.

With the cold weather here, many of the cooperative members are making plans to use electricity various heating purposes. In the home, radiant heating panels can be used to heat an extra room. These panels are now available at many dealers and are easily installed.

Also, you can secure various space heaters that will do a good job for you where a little extra heat is needed in a room. Electric blowers attached to your furnace increase the heat efficiency considerably. There are other heating devices, too numerous to mention, available

to combat the cold winter.

If you have any water pipe on the outside which might be in danger of freezing, you can use a new lead cable, which is thermostatically controlled, to wrap around the pipe. This unit is small in cost and cheap to operate. For more information write to this office. Don't overlook the poultry and livestock water warmers. Having plenty of water, at the right temperature, available means increased profits for you.

If you have questions or need help in installing any electrical equipment, please write to our power use adviser, Ora Snider, and he will be glad to give any assistance needed.

From Mrs. E. Lavern Worthen: "I just wanted to let you know Laverne Worthen and Lavern Worthen are one and not two different people so please cancel one copy of the Illinois REA News. This will help you stretch paper shortage." Thank you for directing our attention to this matter.

From Henry E. Ahlers, Murphysboro: "The ground wire for our electric line has torn loose. Please make repairs as soon as possible." (Note) We appreciate letters from our members telling us of broken

wires. Mark V. Marcinkow-From

know we installed an electric range this past month. We sure like it fine. We won't use it much for a couple of months yet, as we have a tank of gas to use up first, but as soon as that's used up, we will use the electric range all the time.'

From Ed Masterson, Red Bud. "Have added a four-can milk cooler to my equipment."

# **NEWS FROM** Western Illinois

Carthage, III.

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 —
oustide of regular office hours, call
one of the following numbers:
Lee Leonard, Carthage — White 343
Clarence Hutchins, Carthage—Blue 522
Luther Bennett, Carthage — Black 416
John Gerdes, Carthage — White 329
L. C. Marvel, Manager, Carthage—
White 277

We again report some shooting damages. We are putting this ar-ticle in the second time in order that we might overcome the damages done by shooting.

We experienced some broken glass at the storeroom and warehouse during halloween. Part of the damage was caused by the shooting of air rifles, while other damage was caused by throwing rocks. We will appreciate any information from our members who might be able to aid us in finding out who has, not only been shooting at our line protection equipment, but at our storeroom and warehouse too.

NEW LOAN

We have sent in final papers for

our new loan but we do not know how soon they will be approved or when we will receive our money. We received have our approval plans and specifications on

L. C. Marvel

new extensions, and hope it will not be too long before our money will be coming. However, the material situation seems to be getting worse as time

We have made a few line extensions, but from now on it will be slower due to the material shortage. We are making every effort to get material so that these extensions can be made, and we hope those who have signed up for this allotment will be patient. We assure them we will get to them just as soon as we can.

ATTEND MEETINGS

L. C. Marvel, Lloyd Dickson, Lee Murphy and Lee Leonard attended the National Instructors Safety and Job Training convention at Spring-

field, October 23 to 27. On November 9, Mr. Marvel attended a meeting at Springfield pertaining to an annual meeting caravan that the Illinois cooperatives are trying to organize. Miss Mary Brady attended the bookkeepers meeting in Springfield, November 1, 2 and 3. Mrs. Kenneth Tucker attended this same meeting on November 1.

LINE NOTES

While waiting on material to make line extensions our line crew has been devoting much time to taking down trees along our lines. We would like to have the members cooperate with us in this work so that we can get as much of this clearing done as possible, so that we will get away from a lot of hazards when or if, we have our annual ice storm.

Occasionally we have members who write that their bills have increased a great deal. Sometimes we find that they have not used the correct pre-They vious readings. used the previous readings which they used the month before.

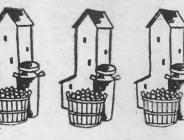
This would result in paying for a month's service twice. So if your usage seems high be sure to check to see that you have used the correct previous reading.

ELECTRIC BILLS

Normally all bills are mailed by the first or second of the month. If you do not receive a bill within a few days notify the co-op, and a duplicate will be mailed. As an alternative, when no bill is received. mail a remittance equal to an average monthly bill. The co-op has no ski, Chester: "Just a line to let you way of knowing whether or not you

OUT OF FOUR THREE ! Illinois Farmer Cooperatives

#### PAY FEDERAL INCOME TAXES







TOTAL NUMBER OF FARMER COOPERATIVES 612

454 PAY FEDERAL INCOME TAXES

158 CLAIM TAX



Each farmer in Illinois, on the average, is a member of 2 or 3 cooperatives. Three out of every four of these cooperatives pay the same federal income taxes as independent private corpora-

SOURCE

Farm Credit Administration U.S. Treasury Report, October 1949.

> ROLAND W. BARTLETT, PROFESSOR AGRICULTURAL ECONOMICS UNIVERSITY OF ILLINOIS

receive a bill. Therefore, failure to receive a bill will not excuse any one from a penalty.

ARE YOU MOVING?

Should you be planning to move at anytime please take notice. We would appreciate receiving your kind cooperation so we may serve you better. But to do this we need correct and timely information. When you move off or on a place served by this cooperative, please read the meter when you leave, or when you arrive as the case may be, and let us know at once.

If you move off the line be sure to send us your final reading and your new address. We need this information so as to keep our files in order and your account correct. We can-not do a good job without your cooperation and information. Thanks so much.

Fifteen new members were added to our project during the month of October, and service was made available to eight who at this writing have not finished their wiring.

> **NEWS FROM** Rural Electric

Divernon, III. 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 19operator will connect you with the lineman on duty for outage calls.

A Merry Christmas and a Happy New Year to



each and everyone of you. The Holiday season is nearly upon us, and your co-op employees want to take this opportunity to extend the season's greetings to you.

Ralph White BE CAREFUL

Each Christmas we read in the papers of homes that are damaged or destroyed by fire. Many of these fires are attributed to faulty wiring of electrical decorations.

Decorations are safe if properly cared for. All fires can be avoided. Before you put up your decorations, you should inspect the wiring very closely, check for frayed insulation, broken sockets, and any other worn parts in the wiring.

Extension cords to the decora-tions should be checked. Tinfoil makes very nice decorations, but tinfoil is an electrical conductor, and if allowed to come in contact with a live wire could cause an arc that might be dangerous.

RANGE SURVEY

The results of an electric range survey appeared in the latest issue of your REA Highlites. In the survey, several electric ranges were checked to find out what the actual monthly kilowatt consump-

As you noticed, the average energy consumption for the ranges checked was approximately 106 kwh. Most members, whose ranges were checked, indicated surprise at the low energy cost of operating an electric range.

A similar survey is being planned for water heaters. The figures will be published when available in order that you may be better in-formed concerning the approxi-mate cost of heating water by

TREE CLEARANCE

Your cooperative's tree clearing crew is very busy clearing the hazardous trees from your electric line right-of-way.

During the past year many trees have been removed that were dan-gerous to your continuity of electric service. While a lot of trees have been removed, many more still remain along the lines. Your electric service has been improving constantly and your management is trying to keep right on with the improvements. Interruptions of electric service are becoming a rare thing.

As we stated above, many trees have been removed. You, as members, can help your cooperative to help you. Brush along the right-of-way is unsightly as well as being a detriment to your electric service. Won't you help your coop to help you by seeing that your fence lines are clear of growth that can affect your service?

The tree crew needs permission from you to remove the bad tree conditions. Since 90 per cent or more of outages are caused by trees, you can also help by giving permission to remove these hazardous conditions.

WFLDERS

The winter season is a good time to check your farm machinery for breaks and worn parts that occurred during the rush season, and repaired temporarily. electric welder will save you much time and inconvenience in making needed repairs.

With your own electric welder, you can usually make the necessary repairs without removing the broken part from the machine. The repairs can be made quickly and economically on the farm, and no trip to town is necessary.

If you are planning an electric welder for your workshop, contact your co-op office for specifications and recommendations on welders, and also that we may check your wire sizes and transformer capacity.

BROODERS

It seems that the winter months are the time to prepare for the spring and summer growing months. You will soon be thinking about starting your baby chicks. It will be necessary for you to check your electric brooder before getting your early chicks. The brooder should be turned on about a week before the chickens arrive. This will give you plenty of time to check the operation of the brooder and to make necessary repairs and adjustments.

The wafer should be checked very closely for satisfactory operation in keeping the brooder at the proper temperature. Quite often it is necessary to replace these from year to year. A red light under the brooder will help attract the chickens to the heat.

Pig brooding installations are becoming more numerous among the members. Your cooperative has plans available to help you with your pig brooder problems. The plans include either a heat lamp installation, which is widely gaining favor, or the hover type that is very satisfactory. These brooders provide the necessary heat for baby pigs during winter farrowing.

# **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 (Nights or Sunday) E. A. Cates ...... Flora 389J James Erwin ..... Flora 312J Henry Mix .... Flora Rural 8F31

We have a good wide gravel road from Iola to Edgewood. However, on the night of October 31 someone didn't have enough room on one of the curves and drove behind our pole, breaking the guy wire, which caused it to go over the primary lines. This caused the line to be out of service from 8:45 p.m. until 12:05 a.m.

We have had a few other outages caused by broken wire and insulators but none of a very long duration. It is again time to begin our annual tree trimming program. Our tree trimming crews are instructed to do a good job, causing as little damage to your property as possible. Any assistance given them will be appreciated.

BILLING

We have had a number of complaints from members who have failed to re-



ceive their reading and billing cards on time. We have checked with our local post office and they assured us this mail is forwarded as soon as

Elmo A. Cates received. Our reading cards are mailed on the 18th or 19th and the billing cards are mailed on the last day of the month unless that day is Sunday, then they are mailed on the day before. Please check the postmark on cards received late and check with your local post office for an explanation of the de-

SORROW

The Xenia community was saddened by the passing away of one of its prominent citizens, Mrs. Ethel Miller. Mrs. Miller was always willing to assist in anyway possible, especially when our REA lines were out of service. She would take time to get word to the proper employee even though she wasn't out of service herself.

Mrs. Miller was the wife of one of the co-op directors. Luther Miller. Our sympathy is extended to Mr. Miller and his family.

# **NEWS FROM** Southeastern

SHAN INVESTIGATE TO ST

Harrisburg, III. 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; Frank-lin County Area, Call Benton 768R; Johnson & Pope County Area, Call Golconda 162; Harrisburg Area, Call Harrisburg Area, Call Harrisburg 1363 or 1340

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.

Begin planning now to attend the annual meeting in February. There are three directors to be elected.

Some hunter evidently jumped the hunting season when on November 2 a co-op distribution line that feeds a sizeable area in Hardin county was shot in two by a charge from a shotgun.

We could tell from the appearance of the wire that the hunter was close to the line. Perhaps he did not intend to the wire—at least not enough to cause it to breakbut at any rate, this could have been very dangerous to anything close to the fallen wire. One end of the wire was still energized when the co-op maintenance crew arrived.



It cost the coop approximately \$46 to find the cause and make the repair. It also caused about a two and onehalf hour interruption in the service in that

T. Clevenger

area. Shooting insulators for rifle practice is another source of line outages. Often the insulator is only cracked, and from the ground it looks perfectly good. A cracked insulator causes the electricity to 'leak" from the wire down through the pole. In wet weather this leakis greater than in dry weather, and sometimes causes a line outage.

Often a condition such as this can exist for as long as six months without the maintenance men being able to locate the trouble. The only way the linemen can really find the trouble is to sectionalize the line, and climb every pole until they find the bad insulator.

# BILLING

We don't like to keep repeating, but it is just as essential that we have a monthly meter reading from the public building accounts as well as farm accounts. The power you use is purchased by the cooperative from the Central Illinois Public Service Company. It is bought by kilowatt hours just like it is sold to you.

The cooperative buys a given amount of kilowatt hours a month, and if we can only account for a certain number sold to the members of the cooperative, the difference is considered a loss, even though good portion may be what you didn't send in on your

meter readings. We have no way of accounting for this. That is why even though some public building accounts only use two or three kilowatt hours per month, we need a meter read-

Prepayments are acceptable, but as soon as the advance payments have been used up, we must have another payment or the account will be considered delinquent and subject to disconnection. If it becomes necessary to send a lineman out to read the meter, the \$2.50 service charge will be deducted from the prepayment. This is the

same method as used in farm and emmercial accounts.

amount of time involved in transfering 10,000 accounts from the 1950 account sheets to the 1951 sheets, we would like to ask that you get your December meter reading in as soon after your meter reading date as possible. All accounts will have to be transferred to the new sheets, and your new billing date in December and the first date in January.

#### TRANSMISSION

At last the cooperative's 28 miles of 69,000 volt transmission line has been energized. Bill Allen, resident engineer for the Rural Line Engineers, is now making the wash up. Mr. Lundeen, field engineer for the REA, has field-checked the completed construction.

The linemen in the Hardin county area have been busy setting the voltage taps back on individual transformers. Before the transmission line was built, the voltage was so low that all transformers had been set up to maximum peak. Now, with the transmission line energized, the source of electricity is much closer to the consumer, thus removing the cause for low voltage.

Setting the individual trans-

former taps back has meant climbing every transformer pole. This task has taken considerable time, but has been time well spent, since it means the voltage condition in the southern part of the co-op area has been successfully solved.

#### OFFICE CHATTER

Our sincere sympathy is extended to Bernard Feazel and his family in the tragic death of his sister, Bernadette Feazel. Miss Feazel was killed in an automobile accident November 6. Bernard is one of the

co-op truck drivers.
"Joe" Ladley, power use adviser, has taken a few days' vacation. Joe and his family visited relatives in Chicago. From there, he is going to Robinson, to attend the Illinois power use advisers' technical training school.

The co-op plans to use some power use demonstrations in conjunction with the community programs already in progress.

# **NEWS FROM** M.J.M. Co-op

Carlinville, III. A. C. Barnes, Mgr.

#### TELEPHONE NUMBERS FOR OUTAGE CALLS

Office-8:00 A.M. to 5:00 P.M. except Sat. & Sunday holi-... Carlinville 136 Homer Virden. Carlinville 326-L John Scroggins

Carlinville 577-Y
Aerio Balestri Hillsboro Co. 2005 Claude McAfee Brighton 40 Charles W. Witt, 803 Sumner ...Jerseyville 296W Delmar Howard Bloomfield Carlinville 1531L

Hensen, William Jerseyville 984W2 James Hopper, Carlinville 321X

lineman does not answer for any other business from trouble calls—Call A. C. Barnes, Carlinville 565-L KEEP THIS LIST NEAR YOUR TELEPHONE. Check ith your neighbors to see if their lights are out before calling. Then report the line outage.

COUPERATION INSURES BETTER SERVICE

To all our members and friends ve extend best wishes for a Merry Christmas and a Happy New Year. Soon, perhaps, tomorrow will be Christmas, the day we remember more than any other; the day those most priceless words were handed down to us "Peace on Earth, Good Will To Men". May they always hold true. May they make a real American home Christmas for you.

CONSTRUCTION Work has started on the build-



ing of the 'S' section. The clearing of the right-of-way has now been going for about two weeks There has been some delay in setting the poles

A. C. Barnes shortage of cop-per wire. It seems that copper is of smaller towns and villages is A. C. Barnes Because of the tremendous one item that is very hard to obtain growing.

today because so much is being used in our defense program. However, our contractor is making every effort to secure enough copper to keep the work going. The first distribution lines to be erected are in the northwest part of Fayette county adjoining our lines around Nokomis.

As we explained in a recent issue of the Illinois REA News the greater part of the work of this contract will be given over to conversion of our existing lines, especially those lines north and east of the Brighton substation and west of the Jerseyville substation. This conversion work will require some interruptions in our service at various times.

It will be our aim to keep these interruptions to a minimum at all times, but we hope that you will not loose sight of the fact that in end you will have better service. Any changes that we make in the system are always done for your benefit, to give better service.

Whenever the power is off it means a loss in revenue to your cooperative so you may be assured that we are going to see that this loss is kept small. It may not always be possible to notify you of an interruption, but if possible we will do so. This is one way that our connection with the new radio station WSMI-1540 on your dial, now using our service, may prove to be beneficial to you.

#### TUNE IN

On your radio to station WSMI, 1540 on the dial, 12:30 noon every day except Sunday. Your cooperative is giving to you over this station at this time the market and weather reports. This new radio station has a coverage which will reach the entire project. We feel that all our members are interested in such reports and this is another service your cooperative is offering

It is our plan from time to time as the occasion demands to use this time on the air to make any important announcements we might have for the membership.

Almost every member has a radio in his home and through this medium we can reach him if there is an announcement to make which would concern his service. Therefore, we recommend that you turn your radio dial to 1540 at 12:30 noon every day so that you may keep posted and alert for such important information that we might deem necessary to give to the entire membership.

Our only means of knowing if you are listening to our broadcast is for you to drop us a note telling that you heard the program. When mailing your monthly bill to the office just include a note saying that you listened to your cooperative program. Like all other radio programs we want "fan mail". The success of our program is measured by the number of letters we receive showing how many persons are listening in.

# BRUSH CLEARING

Now that your crops are all harvested and you may have some spare time from your regular farm work we would appreciate your co-operation in getting the brush out from under the lines along your farm. If you will clear that brush along your own property and your neighbor will do likewise it will save your cooperative a big ex-

Perhaps one of the most costly items of the operation of your cooperative is tree and brush clear-Brush, trees and electricity will not mix. So to insure better service and fewer interruptions give us your cooperation by clearing under the lines along your property.

# **NEW APPLIANCES**

Deep freeze-Sam Welton, Carlinville.

New electric range and hot water heater, Rollin Giller, Palmyra. Deep freeze, L. G. Robinson, Me-

Water heaters, William Krueger, Fieldon; Anthony Goetten, Jerseyville; Ona D. Grigg, Coffeen; Le-Roy Mullens, Hettick; Harry Heyen, Medora and Geo. A. Bunse Harry Jerseyville.

The 1950 census is showing that only 18 per cent of the total population lives on farms. In 1940 over 22 because of the per cent of the population lived on

# **NEWS FROM** McDonough Power

Arthur H. Peyton, Mgr.

During the past two months the members in the southwest end of the system have had a number of interruptions. This has been due to the construction of a new three loop feeder line. When completed, which will be in the near future, it will allow us to switch over from our number one to number two

substation or vice versa to elim-

inate any lengthy outages during

sleet storms or during any other

unforseeable interruptions.

This work is being done now so that it will eliminate any need of taking a line out of service in cold weather when heat and electricity are needed. We are sure you will benefit by this change.

#### BULLDOZING HEDGE



The cooperative has established a new policy in regard to removing future any hedge that is to be bulldozed from underneath the cooperative line,

Arthur Peyton will be paid for by the cooperative at the rate of 75 cents per rod. Before any hedge is removed, the member will make satisfactory arrangements with the office.

The cooperative engineer will then inspect the hedge to deter-mine if it is a menace to the line. In the event that it does not prove to be a hazard to the continuity of service on the line, the cooperative will assume no part of the removal cost. Arrangements must be made

#### HONOR MEMBERS

Dr. Ernest E. Davis, Avon's leading citizen, and member of the Mc-Donough Power Cooperative, was named Illinois' outstanding general practitioner of 1951 on 30, his 75th birthday.

Dr. Davis has been a member of cooperative since November 30, 1948. His farm is located in Avon township, section 21. His hobby is his 600-acre stock farm. Friends say he is a specialist in several branches of medicine.

His selection by a secret committee of the Illinois Medical society was told by President Dr. Harold M. Camp. Dr. Davis has practiced for 50 years in Avon, a town of less than 1,000 population in Fulton county.

# HEADS HOSPITAL

He is proud of the little 12-bed Saunders hospital near Avon, established in 1935. Dr. Davis has been its chairman since it opened.

The hospital was described by the Illinois medical society a model for small operations. It has cared for more than 5,000 patients to date. In 1,264 deliveries, it has had only one maternal death, and its baby death rate is as good as top-ranking maternity any hospitals.

Dr. Davis, also, has served as village president; member of the school board for 22 years: board chairman of the Tomkins State chairman of church trustees; and has been active in Universalist church work.

Dr. Camp said Dr. Davis takes a refresher course at some post graduate clinic every year to keep abreast of developments in medical

# A CHALLENGE

Dr. Davis says that "to have seen medical science advance by leaps and bounds, and possibly to have had a modest part in that advancement has been a privilege and a challenge.

"These past 50 years have been a most thrilling experience,"

He is the author of more than a World War II when he became the feeder.

only physician in an area formerly served by 18 doctors. Most of his work has been obstetrics and he still delivers about 50 babies a year, but his patients now include a growing list of old people.

#### BORN AT LITTLETON

Dr. Davis was born in Littleton, Schuyler county. His father was a physician and his mother a Massachusetts school teacher. He received a bachelor of science degree at Northern Indian Normal, Valparaiso, and graduated from Northwestern university medical school in Chicago in 1900. He spent six months interning at Chicago's Lying-in hospital then came to

# **NEWS FROM** Adams

Camp Point, Ill. Dean Searls, Mgr.

With the holiday season nearing, there will undoubtedly be the us-ual exchange of gifts. Nothing can be more useful and appreciated than an electrical gift.

Whether giving or receiving one of these gifts, please bear in mind hedge. In the the Underwriters' seal of approval. This is a guarantee that the article, no matter how large or small, has had a very rugged test and severe usage before being marketed.

Many of these appliances have been rejected several times and have been re-designed completely to withstand the tests given by the Under-writers' laboratories before the seal of approval, which is a guarantee of passing the severe tests given by them, is attached.

Not all electrical appliances bear



this seal as some have been tested and rejected and marketed anyway. Others have never been submitted for the test. This saves the manufacturer

Dean Searls time, trouble and expense attached and cheaper production and marketing methods are used, but these units are unsafe for use on our rural lines.

Please look for the UL label on these gifts whether you are receiv-ing or giving. Don't give something you would not use in your own home!

# WAGONS

The use of self-unloading wagons has become more popular with a greater use of field choppers, and small electric feed grinders have increased in number on our farms.

Wagons fall into two classes; namely, a wagon for ear corn, hay and silage, and a wagon for small grain, beans and ground feed. The wagon in the first class or the 'roughage wagon' is large strong—a seven by 14 foot flat bed of steel or wood with two-foot sides that are removable plus additional removable four-foot sides for hay and silage.

The rear end gate should be totally removable or will just have the middle section remov-able. The front end gate should be a movable bulkhead, moved back by a cable wrapped in the reverse direction on the same drum. The power for the drum is a one-half horse power electric motor.

The second wagon, the small grain, ground feed wagon, will best be an auger type driven from the power take-off on your tractor. Some wagon manufacturers claim that this wagon will do a thorough job of mixing feed.

With the use of small electric grinders that are automatically controlled, this wagon works in well with a plan to grind your feed at night and put fresh ground feed that has balanced ingredients into your feeders

There are many farmers doing this, and therefore are spending dozen medical papers, most of their time for more productive them on obstetrical matters. His work than to scoop grain into a worst period, he says, was during grinder and then scoop it into a

# LARAMORE and DOUGLASS, Inc. **ENGINEERS**

Power Plants, Distribution and Transmission Lines

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

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

Panton, III.

T. M. Brady, Manager

#### TELEPHONE NUMBERS FOR OUTAGE CALLS

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

Toni Barbieur, Paxton, 595 Kenneth Slater, Paxton, 576 W. S. Nelson, Paxton, 409L Jesse Fietz, Gilman, 159 W. H. Kamm, Hoopeston,

Don Allison, Hoopeston, 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 number above for our lineman at Hoopeston, who has again had a change in his telephone number and we hope this will be the last one. His new number now is 462, which is a private line. Please paste the telephone numbers near your telephone for ready reference.

Our linemen have completed the entirely new three-phase line, with large conductors, which will serve the members north and west of Gilman. Most of it is to serve the members north of Gilman, up as far as the Chebanse area. This will definitely improve conditions in that area for the present, and will take care of all future demands from the members in that area

This is part of our reconversion



program that has been planned for some time. It is necessary, in the operation of an REA financed cooperative, to look ahead into the future, and for that reason have plan-

T. M. Brady ned all of the reconversion work and are completing it as soon as

On October 11 we energized the new sub-station at Donovan. This area was formerly served out of the Gilman substation, and this station is built approximately one mile northwest of Donovan and will serve all of the members in the northeast part of Iroquois county.

This will also take care of the present and future needs of our members in that area, and give them adequate and reliable service. This is also a part of our reconversion program for the future expansion of the cooperative.

# NEW PROGRAM

the years, the new members that were connected for the electric service for the first time were required to have a wiring inspection to insure the safe and adequate wiring job for their farm homes. This assured them of having a safe wiring condition, as well as wires large enough for their needs at that

But since the original inspection, a lot of farm homes have expanded their facilities by adding additional wiring, and in many cases, by inexperienced persons who meant well but did not know the code requirements for a safe wiring job. And the result has been that some of them have had fires, and some have had excessively large bills caused by grounds on improper wiring as well as old and poor types of wiring.

It would, therefore, be an advantage to the member receiving service to have a re-inspection made of his wiring to determine whether his wiring is safe and whether he is paying for current Illinois REA News. Thanks.



that is not being used, through the grounds that appear on his wiring system, as well as the voltage drops as noted on page 6 of the November issue of the Illinois REA News.

We suggest that all of our members re-read the page 6 article in the November issue of the Illinois REA News which is a very fine article. The thought that occurred to me was that a large number of our members are wanting a re-inspection of their wiring, and as our inspector is not very busy during the winter months, we thought it would be a good time to have this re-inspection made and you can use your own judgement as to whether you want to correct the condition

His recommendations will be to report the conditions that need correcting from a safety standpoint, as well as a loss in current. It is the intention of the inspector to make a special price for this program if we have a number of people who are interested in having their wiring re-inspected.

We are thinking on the basis of fire hazards and grounds on the wiring systems that cause excessive use of current. We would like to hear from anybody who is interested in this program soon, so we may institute it as soon as possible.

# FREEDOM

There's no way to buy freedom when we want it. Only through assuming our responsibilities as individuals can we develop-or even maintain—the freedoms we have.

One of those responsibilities is to vote for those individuals and ideas in which we believe. We all have old, as our first lines were energized in August of 1938. Through the years, the new constant of the same ones of the same on important thing is not that we agree or disagree, but that we all express our views at the ballot box.

> We believe that this is essential for democracy to thrive. We have based the organization of our rural electric system on that belief. The votes of our members set the policies of this locally-owned, locally-controlled rural electric system.

To that one principle we attribute our success as a tax-paying local business enterprise. To that same principle we attribute the success of our nation.

Failure of our members to assume their responsibilities would weaken our business, just as surely as failure of all of us in our responsibilities as citizens would weaken our democratic nation.

IT'S YOUR PUBLICATION: The Illinois REA News is owned by the readers. Help it to help you! When patronizing our advertisers, mention that you saw their ad in the

# **NEWS FROM** Southern Illinois

Dongola, III.

George Endicott, Mgr.

Work has begun on the new office building. At the present time the contractor is waiting on the reenforcing steel before pouring the concrete foundation. This steel should arrive about November 20. The dirt has been moved and the drainage pipes or disposal field, and the septic tank have been laid.

If the weather doesn't interfere too much, it is believed that the outside work will be completed in time to permit winter construction to go on throughout the building and thereby permit the completion of the building as scheduled.

#### HALLOWEEN PRANKS Halloween pranksters had a field



day on the night of October 31 and are now worried. Approximately boys came out to your cooperative office and let the air out of the tires removing

George Endicott the valve cores from the tires, pushed a couple of 1000-pound reels of wire into the driveway and turned them over, pushed over transformers, which are very expensive, and blocked the bank into the driveway which was very dangerous.

If the poles had slipped, they could have injured some of the boys seriously. Union County Deputy Sheriff Pete Dodd came out and inspected and started investigation. At the present time nearly all of the boys are known; however, no action has been taken as yet.

# BILLING BOOKS

New billing books are to be sent to all of the members at the end of December. It is hoped that the members will destroy their old books upon receiving the new books. Quite often, members will get the wrong year's book and not notice the date. Therefore they have the wrong reading and a large light bill, which is always discovered, but after considerable confusion, and anxiety on the member's part.

# DRAFT EMPLOYEE

Leonard Martin, lineman on the construction crew, was drafted and reported to Ft. Sheridan, Illinois, flict is settled, there will be a low the Illinois REA News, when you on September 29 for service in the voltage condition in Massac county are in the market to buy or sell. reported to Ft. Sheridan, Illinois,

Army. Leonard was drafted once before at the close of World War II but didn't have enough time in service, therefore was called back. According to letters received, Leonard is now a cook at Ft. Knox, Kentucky.

#### TRANSMISSION

The construction crew is again working on the White Hill to Metropolis transmission line. The larger poles, which your coopera-tive had difficulty in securing from the pole supplier, arrived the first of November. The crew is installing these poles at highway and railroad crossings that require these taller poles.

Also "skips", that were due to growing crops such as soybeans and corn that could not be installed during the summer, are being set at this time. Progress should be increased in the future, barring rainy weather, as wire stringing should begin soon.

It was your cooperative's plan to have this transmission line completed and the substation in service, located approximately two miles north of Metropolis, by the first of the new year, thus relieving the existing low voltage condition prevailing now in Massac county. However, relief from this condition to members may be delayed by the difficulty in securing the necessary right-of-way from one member and landowner in the Metropolis area.

Your electric cooperative office is receiving many justified complaints from members in Massac county about low voltage, and your emthe driveways, and pushed some ployees have been doing all in their stacked poles up over the side of power to relieve this condition. This situation is brought about by the new members which are being added on the existing lines and the purchasing of additional electrical appliances, which is perfectly nor-mal and justified, too. To counteract this condition, this ever increasing load and low voltage condition, there is only one solution; the completion of the transmission line and new substation.

Unfortunately, with the present situation this low voltage condition will rapidly become worse as winter approaches. The transmission line and substation can be completed however, except for one section of the transmission line which is being held up by the right-of-way conflict. Once again, it is unfortunate that the members of Massac county will be the ones to suffer from the low voltage condition.

Your cooperative is doing its very best to complete this line, but until the present right-of-way conwhich cannot be cured until the transmisssion line is completed.

#### DISTRIBUTION LINES

Some construction has begun on building the short extensions to new members on the T section. Your electric cooperative is following the procedure of constructing to members that have their premises wired and ready for service. However, progress will be slow on this construction as other work such as reconversion must be done, but every effort is being made to construct these lines on T section as soon as possible and time per-

#### RECONVERSION

Reconversion work is being done from the Pulaski substation on through Olmsted and on up to Leving's place. It is hoped that this will be completed very shortly. It will give better service to members of the area. Your cooperative personnel appreciates your co-opera-tion, received while doing this work.

# **NEWS FROM** Shelby Electric

Shelbyville, Ill. W. L. Walker, Mgr.

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

As most of you members know, your cooperative has been a busy place the past several years. However, today we have practically all construction completed and 5,400 members are now receiving electric service from approximately 1,900 miles of electric line.

Any neighbors who may wish electric service should contact us at our Shelbyville office or at the Taylorville Farm Bureau office on Wednesday afternoons and thus enable us to schedule lines where possible, and also to secure materials which are not too easy to obtain at the present time.

Recently your cooperative ex-tended some heavy feeder lines in various territories. One threephase line was extended from our Moweaqua substation to the oil field northwest of Assumption. This heavy line made it possible for the people in that territory to secure more dependable service and we also picked up a large power load from the oil company.

# CLEARING BRUSH

Your co-op expended quite a large sum of money this past summer employing full-time employees to cut and clear brush as well as spray brush along the right-of-way. However, as many of you probably know, much of the brush is too big for our spray to kill and we therefore ask that all members please clear their fence rows under our lines.

We will then endeavor to keep the brush under control with our spray equipment. After all it is a small thing to ask each member to keep his own fence row clean, and certainly helps the appearance of the farms! Ninety-five per cent of outages are caused by trees and limbs falling on the line and there will be less interruption of service from ice and snow storms if our right-of-ways are clear.

# MOVING

Perhaps many members will be moving from farm to farm between now and March 1. When you move, please notify our Shelbyville office so our serviceman can secure your meter reading and you can pay a final bill for the service you have used. Otherwise it is impossible for us to know and you are charged for the service until such time as we are aware of the change. Also, we want to know where you are moving, and if anywhere on our lines. we will attempt to have service turned on for you immedi-

Since this will be the last Illinois REA News before Christmas, the employees of this co-op wish to take this opportunity to thank each of you for your splendid cooperation during 1950 and to extend to each of you a Merry Christmas and a Happy New Year.

Get in the habit of looking first in the RURAL EXCHANGE section of your statewide publication,



# en Pals

#### MERRY, MERRY CHRISTMAS!

To all our Pen Pal friends, we want to say MERRY CHRISTMAS and HAPPY NEW YEAR, too. Hope Santa comes on Christmas Eve with a pack so full of wonderful gifts and toys that this will be the best Christmas ever. We hope, too, that you'll remember all your Pen Pals and send them a holiday greet-

Join our letter-writing fun, boys and girls. Pick some Pen Pals from the many listed on this page, and send your letters for the paper to Kay Conlan, Junior REA News, Box 1180, Springfield, III.

-Kay.

#### FIFTH GRADER

I am a girl 10 years old and in the fifth grade. My birthday is August 3. I weigh 70 pounds and I am four feet five inches tall. I have dark blonde hair and brown eyes. My hobbies are horse-back riding and playing with my baby brother. I have two brothers but no sisters. I would like all girls between the ages of eight and 12 to write to me.

Jackie Liston, R. R. 3, Fairfield, Ill.

#### CROCHETS



I am a girl 12 years old. I have brown eyes and blonde hair. My birthday was December 1. I have birthday was December 1. I have five sisters and one brother. I am in the eighth grade at Morgan Grade School. I live on a 325 acre farm. My hobbies are driving horses, reading and crocheting. I weigh 106 pounds. I want boys and girls between the ages of o me.—Shelby Jean 2as, Ill.

10 and 17 to write to me.— Lyerla, R. R. 1, Alto Pass, Ill.

# FOUR BROTHERS

I am a girl 13 years old. I have brown hair, blue eyes and a light complexion. I am about five feet tall. I have four brothers, Terry, 15, Robert, 11, Allan, 6, and Darrel Owen, 2. I collect pictures of movie stars and cowboys. I would like boys as well as girls to write to me. I will try to answer all letters that I receive.—Shirley Ann Smith, Box 22, Coffeen, Ill.

# A NICKNAME

I am a girl 15 years old and my birthday is March 19. I have blue eyes and brown hair. I weigh about 100 pounds and I am five feet four inches tall. My hobbies are writing letters and taking pictures. I have a nickname and all my friends call me, Pate. I would like to hear from boys and girls between the ages of 15 and 20. — Betty Hoke, Herod, Ill.

# PLAYS HOUSE

I am nine years old and my birthday is July 18. I am in the fifth grade at the Panther Fork School. My hobbies are playing house, playing ball and riding my bicyele. I live on a 120 acre farm. I go to Suaday School and church every Sunday. — Irene Byars, R. R. 1, Kell, Ill.

# RAISES CHICKENS

I am a girl 12 years old. I have blue eyes and blonde hair. My hobbies are raising chickens and riding my bike. I have a pet dog named Abner. I would like to hear from some Pen Pals. — Roseann Harper, Wayne City, Ill.

# COLLECTS BUTTERFLIES

I am four feet 10 inches tall and weigh almost 75 pounds, I have light blue-grey eyes and brown hair. I am II years old. My hobby is collecting butterflies and entering them in fairs. Last year I won \$5.50 on some of my butterflies. I am a Tomboy. Do I have a twin on that? I live on an 86 acre farm. I will try to answer all letters written to me so fill my mailbox, boys and girls. — Naomi Lemmon, R. R. 4, Robinson, Ill.

# DOG. 'SPORT'

I am a girl 12 years old. My birthday is June 16. My hobbies are horseback riding, swimming and roller skating. I have light brown hair and dark brown eyes. I go to Yellow Springs School. I have a dog named Sport. I would like to hear from boys and girls between nine and 14, so come on, Pen Pals and fill my mailbox.—LeiLani Loretta Young, Sparks Hill, Ill.

# HAS PET DOG



I am a girl nine years old. I have brown hair and eyes. I weigh 74 pounds. I am four feet five inches tall. I am in the fourth grade at Yellow Springs School. My hobbies are riding my bicycle, horseback riding and roller skating. I my picycie, horse-back riding and roller skating. I have a brother who is in the third grade. I have a pet dog. His name is Buck. He plays ball. nd girls to write to

#### FEEDS CHICKENS

I am 11 years old and I like to feed chickens. I would like to hear from boys and girls of my own age. I am a brunette.

—Patricia Kaiser, R. R. 4, Greenville, Ill.

#### ENJOYS SEWING



I am a girl 16
years old. My birthday is May 19. I
have brown hair
and blue eyes. I
live on a 160 acre
farm and I have
two brothers and
one slster. I am a
junior at the Onarga High School. I
like to read and
take care of small
children. I also like
to sew and bake. I
will answer all letters that I receive.
—Mary Jo Thomas,

R. R. 1, Onarga, Ill.

#### A NICKNAME

I am a girl of 16 and my birthday is April 7. I have red hair and dark blue eyes, I am five feet four inches tall. I weigh 122. My one and only hobby is roller skating. I go to A. J. C. H. S. I have never had a Pen Fal before but I would love to have one. Won't someone help me by writing to me? I have several nicknames. Write to me and find out what they call me, It's pretty interesting.—Marilou King, 113½ Kirk Street, St. Anna, Illinois,

#### JUMPS ROPE



I am a girl eight years old and my birthday is April 3. like to jump the rope. I have two dogs, one named dogs, one named Bing and one named Billy. I also have a cat named Tom. I have two sisters. One is 12 and the other is 17. I would like to hear from every boy and girl between six and 10 years old.—Barbara Faye Baccus, R. R. 1, Karnak, Ill.

#### PLAYS CLARINET

PLAYS CLARINET

I am a girl 10 years old, My birthday is August 7. I have a sister, Linda, who is eight and two brothers. Thad is five and Johnny is one. I have hazel eyes, light brown hair and I am four feet two inches tall. I weigh 87 pounds. My hobbies are playing the piano, playing clarinet, writing, cooking, reading, riding my bicycle, listening to the radio and lots of other things. We live on a 180 acre farm and raise pure-bred Aberdeen Angus cattle. I have a calf, too. I would like to receive letters from boys and girls of every age. Write to me. Don't forget your picture. I will try to answer every letter I receive.—Karen Patricia Kuhfuss, R. R. 1, Mackinaw, III.

# SKATES

I am a girl 15 years old. I have blue eyes. My height is four feet three inches and I weigh 125 pounds. I have light brown hair. I have five brothers and no sisters. My hobbies are skating, horseback riding and writing letters. Please, Pen Pals, write to me if you are a boy or girl any age in the teens. I will be glad to answer every letter.—Dorothy Lewis, R. R. S., Fairfield, Ill.

# ENJOYS LETTER WRITING

Hello! Won't you be my Pen Pal? I was 16 May 31 and I am a junior in high school. I am five feet seven inches tall, have medium brown hair and gray-blue eyes. My hobbies? I like to play basketball, softball and tennis. I also like to cook, read and write letters so come on all of you teen-agers and fill my mailbox.—Helen Hopper, R. R. 1, Casey, Ill.

# LIKES TO FISH



I am a boy 14 years old. I have brown hair and blue eyes. I have a big brother and a little sister. I like to fish and ride a bicycle. I would like to hear from boys and girls between the ages of 12 and 15.—Glen Woodrum, R. R. 1, Cantrall, Ill.

# CAN BAKE

I am a girl 11 years old. I have brown hair and brown eyes, I have two brothers and one sister. I am the oldest. My hobbies are reading and drawing, I broke my arm in April and I had just gotten the cast off and I broke it again. I am five feet tall and 1 weigh 78 pounds. I can cook and bake, too. I would like to hear from boys and girls between the ages of 10 and 13. I promise to answer all letters.—Mary Ann Giffin, R. R. 2, Vergennes, Ill.

# CHEERLEADER

I am a girl 14 years old. My birthday is February 18. I have black curly hair. I have a dark complexion and brown eyes. I am five feet five inches tall. I help my mother and sister with the housework and I work out part of the time. I was a cheerleader at Bone Gap School last year. I liked it very much. I would like boys and girls between the ages of 13 and 18 to write to me. Come on boys and girls and fill my mailbox.—Louise Wood, R. R. 3, Albion, Ill.

# COLLECTS ROCKS

back riding and roller skating. I am a girl 12 years old. I am in the right grade of Matthews School. My hobies are collecting rocks, riding my bike grade. I have a pet dog. His name is Buck. He plays ball. I want all the boys and girls to write to me. I will answer all letters.—Wilma Ruth Denton, Sparks Hill, III.

#### PLAYS 'JACKS'

I am a girl nine years old and my birthday is July 5. I have blue eyes and brown hair. I have a brother and a sister. My hobbies are playing jacks and riding a bicycle. I will try to answer all letters that I receive from boys as well as girls. Come on Pen Pals and fill my mailbox. Do I have a twin?—Karen Kay Irwin, R. R. 1, Pawnee, Ill.

#### VISITS GRANDPARENTS

VISITS GRANDPARENTS

I am a girl 14 years old. I have brown hair and dark brown eyes. My hobbies are playing the piano and reading. I do not live on a farm but I visit my grandmother's and grandfather's farm often. I would like to hear from girls 12 years old and over. Come on Pen Pals, I'm waiting for your letters.—Lenora Evetts, 310 North Otis Street, Marion, Illinois.

#### BASEBALL



I am a girl 13 years old and my years old and my birthday is September 4. I have light blonde hair and blue eyes. My hobby is playing baseball. I have two brothers who are six and 15 years old and two sisters who are two and 19. I will try to answer all letters so come on Pen Pals and fill my mailbox. I will be waiting — Laurene Waller, R. R. 1, Oakdale, Ill.

### PADIO LISTENER

I am a girl 21 and my brithday is August 2. I have brown hair and brown eyes. I am five feet six inches tall. I live in the country. I like to listen to the radio. I will answer all letters from girls and boys between the ages of 19 and 25. So fill my mail box Pen Pals.—Louise Martin, R. F. D. 1, Stonefort, Ill.

#### SCHOOL BAND

I am a boy, 16. I have blue eyes and dark brown hair. I am a junior in high school. I play the piano and trumpet in the school band. I take lessons at Millikin University in Decatur, Illinois. I promise to answer every letter that I receive. I don't have any Pen Pals so you see I really would like everyone to write to me.

—Bob Perry, Findlay, Ill.

#### HELPS AT HOME

I am a girl 13 years old. I am five feet one inch tall. I have red hair, blue eyes and freekles. I weigh 135 pounds. My hobbies are reading, writing, skating, bicycling and helping around home. I live on a 240 acre farm and have many pets. I would like to hear from boys and girls between the ages of 13 and 16. My birthday is April 13. Do I have a twin? Come on Pen Pals and fill my mailbox.—Katherine Ellison, R. R. 2, Moweaqua, Il.

# AUGUST BIRTHDAY



years old and my birthday is August 1. Do I have a twin? I have brown hair and blue eyes. I am in the eighth grade. My hobbies a re playing the piano and riding my bicycle. Please, boys and girls, fill my mailbox. I will answer every letter I receive. — Ponna Lou Sherwood, R. R. 1, Lakewood, III.

# CATCHES BIRDS

I am a boy 13 years old and my birthday is August 22. I have two brothers, three and 18. My hobby is catching birds. I go to Reno Grade School. I would like to hear from both boys and girls between the ages of nine and 15.—Vincent Lenceski, R. R. 1, Box 166, Sorento, Ill.

# LIKES TO HUNT

IIKES TO HUNT

I am 16 years old. I have blond hair and blue eyes. I am a junior at Findlay High School. My weight is 164 and my height is five feet ten inches. I am very interested in music. I play the clarinet and take lessons at Millikin University in Decatur, Illinois. I like hunting and fishing very much. I like hunting better than fishing. I would like very much to make music my life work. Well, Pen Pals, that is all I am going to tell you now. I will answer all letters I receive so fill my mailbox.— Eugene Neal, R. R., 2, Shelbyville, Ill.

ENJOYS BAKING I am a girl 11 years old and my birthday is September 9. I have light brown hair and blue eyes. My hobby is baking. I will try to answer all letters that I receive from boys as well as girls. Carol Waller. R. R. 1, Oakdale, Ill.



I am a girl 14 years old and my birthday is September 23. I have blonde hair and blue eyes, I am five feet three inches tall. I like letter writing and collecting rocks. I would like to hear from boys and girls between the ages of 12 and 15. I will exchange pictures, exchange pictures, too. I promise to answer every letter. —Dolores Schaum-

small Bibles. I would like to have Pen Pals so come on, please write. I will try to answer all letters.—Ernestine Breneman, R. R. 5, Marshall, III.

#### A DECEMBER BIRTHDAY

I am eight years old, and I am in the fourth grade. My birthday is December 13. I have red hair and blue eyes. My mother is a beauty operator. My hobby is playing with paper dolls. I will answer all letters. Come on boys and girls and fill my mailbox.—Kay Hendrix, R. R. 1, Box 104, Eldorado, Ill.

#### RIDES BIKE



I am a girl 10 years old and I have blonde hair and blue eyes. I am four feet six inches tall. I weigh 65 pounds. I have one brother who is six years old and a sister who is 11. My hobbies are playing the piano and riding my bicycle. I would like to have Pen Pals.—Ruth Ann Muench, Lenzburg, Ill. years old and I have

#### COLLECTS STAMPS

COLLECTS STAMPS

This is my first letter to Junior REA
News. I am a girl 15 years old. I have
brown hair and blue eyes. I am five feet
four inches tall and weigh 126 pounds. I
live in the country and belong to a 4-H
Club. I collect stamps and like to play
music. I would like to hear from anyone so
please write to me. I will answer all letters as soon as I receive them. My birthday
is September 29. I have six brothers and
four sisters.—Elaine Tharp, R. R. 1,
Windsor, Ill.

\* \* \*

#### A JULY BIRTHDAY

I am a girl nine years old and my birthday is July 10. I have light blue eyes and red hair. I am four feet tall. My hobies are riding my bicycle, milking and riding on the tractor. I have one sister and two brothers. I would like to hear from boys and girls between the ages of eight and 15. I promise to answer every letter I receive.—Audrey Res, R. R. 1, Rockwood, Ill.

#### A SOPHOMORE

I am 15, a sophomore in high school and I have blue eyes and brown hair. I am interested in almost every kind of sport. I also like to read, I will answer any letters from boys and girls between the ages of 15 and 20.—Margaret Rolfs, Burr Oak, Iowa.

#### A FAVORITE DOLL



I am a blonde with blue eyes and I am eight years old. I am in the fourth grade. I go to Cobden School. I live on a 140 acre farm. My hobby is playing jacks. I have a large doll maned Linda Mae. I will try to answer all letters that I receive. I would like to hear from boys and girls between the ages of eight and 10 years old.—R. 2, Cobden, Iil. am a blonde

Louella Casper, R.

# HORSEBACK RIDING

I am a girl 14 years old and my birthday is November 8. I am five feet two inches tall. I have blue-gray eyes and my hair is dark brown. My hobbies are reading, horseback riding, and bicycle riding. I also enjoy writing letters. I have seven sisters, three brothers, nine nephews and four nieces. I promise to answer all letters. I would like to hear from boys and girls of all ages. Come on Pen Pals and fill my mailbox.—Evelyn Hancock, R. R. 2, Carrier Mills, Ill.

# NEW FRIENDS

I am a girl 15 years old and my birthday is January 10. I have brown hair and brown eyes and I am five feet seven and one-half inches tall. This is my second letter to the Junior REA News. I enjoy very much writing to and receiving letters from Pen Pals. I also enjoy making new friends. I will answer all letters I receive from boys and girls between the ages of 14 and 23. Come on Pen Pals let's get acquainted.—Marrilu Foster, R. R. 3, Harrisburg, Ill. Harrisburg, Ill.

# PLAYS PIANO



This is my first letter to the Junior letter to the Junior REA News, I was 10 years old June 5. I have brown hair and blue eyes, I am four feet four inches tall. I have one brother. I like to play the piano. I would like to hear from girls between the ages of nine the ages of nine and 12. — Nancy Kite, R. R. 2, Oak-land, Ill.

# PLAYS PIANO

I am a girl 15 years old and my birthday is January 10. I hove brown hair and hazel eyes. I weigh 120 pounds. I am a sophomore at the Casey High School. I have one brother but no sisters. My hobbies are writing letters, playing the plano, skating and playing ball. I would like to hear from boys and girls between the ages of 18 and 18. Come on, teen-agers and fill my mailbox.—Norma Kelly, Hazel Dell, Ill.

# TWO PET DOGS

I am a girl 12 years of age. My birthday is July 7. My hobby is riding horses. I am four feet six inches tall. I help my daddy on the farm by hoeing in the garden. I have red hair and brown eyes. My pets are two dogs and one cat. Come on boys and girls and fill my mailbox. I will try to answer every letter.—Nancy Lou Barker, R. R. 1, Opdyke, Ill.

# PLAYS SOFTBALL

too. I promise to answer every letter.
—Dolores Schaumburg, R. R. 1, Buckley, Ill.

\* \* \*

COLLECTS SHELLS

I am a girl 15 years old. I have brown hair and blue eyes. I am five feet tall and a sophomore at Marshall High School. My hobbies are collecting small shells and Ill.

PLAYS SOFTBALL

I am fourteen years old. I have brown syes and black hair, I weigh 150 pounds. My hobbies are softball, taking care of small calves and swimming. I like to receive letters but I don't like to write them unless I have someone to write to. So come on boys and girls of all ages, fill my mailbox and I will fill yours with answers.—Esther Ruth Larimore, R. R. 3, Windsor, Ill.

#### ENJOYS MOVIES

This is my second letter to the Junior REA News. I am a girl and I am 15. My birthday is July 4. I have blonde hair, gray-green eyes and I am five feet five inches tall. I weigh 125 pounds. My favorite hobbies are car riding, dancing and going to the movies. I will enjoy writing to anyone between the ages of 14 and 18. Come on Pen Pals and fill my mailbox.—Violette Maxine Richey, R. R. 2, Stonefort, Ill.

#### LIKES DANCING

I am five feet four inches tall and weigh 127 pounds. I have blue eyes and dark brown hair. I was 15 years old on September 7 and I am a freshman. I have one sister. My hobbies are dancing, reading and writing letters. I would like to hear from both boys and girls of all ages. I promise to answer every letter I receive.—Maxine Hout, R. R. 2, Effingham, Ill,

#### ROLLER SKATING

I am a girl 16 years old and my birthday is August 4. I have blue eyes and blonde hair. I am a sophomore at the Adair High School. My hobbies are roller skating and listening to the radio. I would enjoy writing to boys and girls between the ages of 15 and 19 so please write to me.—Janet Penington, Adair, Ill.

#### SQUARE DANCING

I am a girl 13 years old. My birthday is November 26. My hobbies are playing softball, square-dancing and horseback riding. I have brown hair and hazel eyes. I live on a 40 agre farm. I have one brother who is 15. I have one cat and two kittens. I also have a dog. Come on Pen Pals and drop me a letter.—Ruth Ann Johnson, Star Route, Mill Shoals, Ill.

### DRIVES TRACTOR



I am a boy 12 years old and my birthday is April 26. I am four feet five inches tall. My hobbies are raising hogs and driving the tractor. I will try to answer all letters that I receive.-James Kite, R. R. 2, Oakland,

#### A REDHEAD

I am a girl 12 years old. My birthday is October 9. I have deep red hair and brown eyes. I go to Noble Grade School and I am in the seventh grade. I ride the bus to school. My hobbies are cooking, bicycle riding, swimming and singing. I have two brothers and two sisters. I am four feet nine inches tall. I would like to hear from both boys and girls between the ages of 11 and 15. Come on, let's get acquainted.

—Barbara Thompson, R. R. 3, Olney, Ill.

### IOWA PEN PAL

I am 14 years of age and a freshman in high school. I have light brown hair, blue eyes and weigh about 110 pounds. I will answer all letters from both boys and girls.—Harriett E. Cole, R. R. 1, Iowa City, Iowa.

# PLAYS PAPER DOLLS

I am a girl 10 years old and I have brown hair and blue eyes. I weigh 66 pounds. My hobby is playing with paper dolls. I would like to hear from some Pen Pals. I promise to answer all letters I receive from Pen Pals between the ages of eight and 11.—Mary Lou Lawrence, R. R. 1, Enfield, Ill.

# MOTHER'S HELPER



I am a girl nine years old and my birthday is February 22. I weigh 71 pounds. I have dark brown hair and brown eyes. My hobbies are skipping rope and helping mother. I have three sisters. Their names are Joan, Marie and Peggy, I would like to hear from both boys and girls between the ages of eight and get the mail rolling to my door. I think I can answer all letters.—Kay Ellen Pickens, R. R. 1, Dieterich, Ill. years old and my

# HELPS AT HOME

HELPS AT HOME

I am 15 years old. My birthday is August 31. I just love to keep house. I have atways worked at home. I don't come from a large family. I had one sister but she died so I am pretty lonely much of the time. I would like to hear from a lot of Pen Pals. We live on a 50 acre farm. I am five feet two inches tall and I weigh about 120 pounds. I have brown hair and blue eyes. My hobbies are singing and keeping house. Come on Pen Pals and fill my mailbox.—Juanita Forley, R. R. 1, Makanda, III.

# MANY HOBBIES

MANY HOBBIES

I am a girl 14 years old. I have dark brown eyes and dark brown hair. I am five feet tall and I weigh 98 pounds. I am a freshman this year and I go to the new school at Marshall. My birthday is July 21. I have many hobbies. They are singing, letter writing, bicycle riding and playing my clarinet. These are only four of them but I have many more. I would like to hear from boys and girls of all ages so I could learn all about them. If you will write to me I will answer all of your letters and tell you more about myself. Do I have a twin?—Clara Josephine Beauchamp, R. R. 3, Marshall, Ill.

# PLAYS SOFTBALL



I am a girl 13 years old and a freshman at the Shelby High School. Shelby High School.
I have brown eyes and brown hair. I am about five feet four inches tall and weigh 130 pounds. My hobbies are writing letters, reading and playing softball. I have a dog named Rover and a cat named Blackie. I have two sisters and one

Blackie. I have two
sisters and one
brother. I would
come on and fill my mailbox.—Shirley
Cross, Lakewood, Ill.

### Farming **News Notes**

ELECTION

The November 7 general election showed a decided farm vote trend away from the administration. Traditionally Republican, rural Illinois reversed its 1948 vote.

Study of rural election returns will show, however, that the swing to the Republicans was more pronounced among northern Illinois farmers, who reportedly are better fixed financially. From Springfield south the Illinois farm vote was more to the Democrats as evidenced by the retaining of a Democratic congressman in the 21st District. Farmers in southern Illinois are reportedly less prosperous than those in the northern and central counties.

#### CHANGE

The change from liberal to conservative members of the Congress and increase of Republican power may mean less favors for mid-western farmers. Republican power can be held only in coalition with the southern Democrats who will in turn, favor cotton, tobacco production over corn, hogs and wheat. This has been true in past, although Southern farmers are now important producers of many of the crops formerly produced almost exclusively by mid-western areas.

#### ADULT EDUCATION

City women have much less opportunity to learn about home-making than farm women do. About three-million farm women are enrolled in courses or attending meetings where they can learn about home decorating, meal planning, food values, furniture and many other things. This service is given by the county and home demonstration agents of the Department of Agriculture's Extension Service. This service could be extended to city women as the law does not prohibit spending the money in cities.

# **GALVANIZING**

A cold galvanizer designed to protect iron and steel from growing early bean. (2) An oil rust is reported. It is said to content of 20.5 per cent per give as complete protection as bushel; higher than any other hot-dipping nethods, yet can of early varieties. Seed for be applied with a brush or 1951 plantings may be availspray. The compound is use- able in Illinois from the coful in touching galvanized operating State Experiment material that has been worn or Station. damaged.

# **VILLAGES**

A group of economists at the University of Illinois have recently conducted a study in answer to the question: Why do city workers live in agricultural villages?

Housing and cheaper living costs were among the important reasons for living in smaller communities. Loyalty to the home town was the main reason for the place of residence.

# FROM USDA

Improvement of Nation's grasslands, as a base for balanced livestock farming, sustained abundance, and good nutrition, is the goal of a program which the USDA and the Association of Land-Grant as a source of gross farm innow carry out together.

Farmers' cash receipts from marketings in November are estimated at 3.1 billion dollars, 14 per cent less than in October but eight per cent more than one year ago.

\* \* \* Engineers of the USDA, working in cooperation with private industry, have developed a new type anchor for keeping in place during high winds the circular metal grain bins widely used throughout the mid-west and other grain producing areas.

At the close of the first year of the REA telephone lending program, almost 30,000 prospective new rural subscribers were assured modern telephone service as a result of REA loans. About 20,000 others were soon to have modern telephones to replace antiquated, unsatisfactory ones. During the first year over \$12-million REA approved loans were granted to 27 commercial companies and 14 cooperatives for extending service in rural areas of 21 states. More than 600 loan applications totaling over \$75 million from 41 states and Alaska have been received.

Extensive tests to discover better ways of protecting cotton fabrics from rot and mildew will be made cooperatively during the next few years in various parts of the world by the Army Quartermaster Corps and USDA.

A dairy cow that produces only 200 pounds of butterfat a year seldom makes a profit for her owner, regardless of production costs and milk prices. This finding comes from a study of production records of dairy herds compiled over many years.

Announcement is made of the release of Blackhawk, an early, high yielding variety of soybean for the cornbelt. The new bean as result of four-year testing shows: (1) average yields of 28.9 bushel per acre. Highest of any commercially

# FROM U OF I

An eight-year Michigan experiment has proven that highpressure fog units have proved mighty effective in rural fire protection. Records show that use of this equipment took less than 500 gallons of water in 87 per cent of the farm fires.

An easy way for dairymen to keep barn breeding records clean is to tack an old plastic tablecloth or like material over them.

A 20-year old study shows that soybeans have increased greatly in importance as a source of farm income. However, corn kept its leadership Colleges and Universities will come. Hogs were the chief old buildings to fill your needs source of cash income. During at less cost.

the 20-year period, income from livestock and livestock products averaged 64 per cent of total farm income, while crop returns averaged 36 per cent.

The state law says that all farm vehicles and tractors must have at least one white headlight and one red taillight, both visible from at least 500 feet away. If a farmer unnecessarily blocks traffic or creates a dangerous condition on the highway, he may be liable to other persons. Farm vehicles and implements are excused from almost all other laws applying to other vehicles.

Now is the time to get rid of rats! At present prices it costs roughly four dollars a year to keep one rat. The cost of ratkeeping has doubled since 1940. Are you rich enough to feed several hundred rats at their present cost of upkeep?

Net cash income averaged \$17.45 an acre on the better Illinois farms in 1949. This is only 31 cents below the \$17.76 received in 1948, but it's \$5.83 below the peak of \$23.28 earned in 1947.

TCA, a new chemical weedkiller, will wipe out quack grass completely with only one spray treatment applied in the fall. The spraying will replace repeated cultivations, discings, and other mechanical methods formerly used to eliminate the weed. The chemical breaks down easily in the soil and will all be gone by next spring's planting.

Since 1944 Newcastle disease has spread across the U. S. so rapidly that no major poultry-producing area has escaped it.

University of Illinois corn plots which were kept free of weeds yielded 41 bushels per acre more than plots in which weeds were allowed to grow.

# DID YOU KNOW?

Bacitracin, one of the new drugs, is proving valuable in saving the lives of pigs affected with swine dysentery.

Clean corn in the crib will dry much faster and more evenly than corn mixed up with a lot of husks and dirt.

One way to reduce the number of dirty eggs that you take to market is to gather the eggs several times a day, especially when the litter is wet.

Putting artificial lights in your hen house to make a 13-14 hour day during the short days is a real profitmaking move.

The biggest hazard facing beef cattle feeders this season is the chance that farmers may get scared and ship too many cattle to market about next February if the price drops slightly.

You can keep your costs for buildings and fences at rock bottom if you don't do any new building when you can remodel

# Attention: Co-op Members!

HAVE YOU

TRIED



# RURAL EXCHANGE

HUNDREDS of your fellow co-op folks have. And the reports we have received, prove that results have been excellent. The RURAL EXCHANGE section is providing co-op folks with a service that can't be matched anywhere for value and exceptionally low cost. Where else could you reach 95,000 farm families—actually well over 375,000 prospective customers-for as little as \$1.00? The answer is: "Nowhere, except in the RURAL EXCHANGE section of your very own statewide publication, the Illinois REA News!"

BECAUSE the Illinois REA News belongs to its readers, it's main purpose is to be of utmost service to its owner-readers. Thus a special rate-50% off the regular rate-is available to you co-op folks. Like other services of your publication, you're invited to take full advantage of the special RURAL EXCHANGE classified rate.

IF you have something to sell, buy or swap, think of the classified section in your statewide publication first. You'll be glad you did.

RATES to co-op members-5 cents per word. 20 words for \$1.00-minimum ad accepted. Each additional word, 5 cents. This is 50% off the regular rate of 10 cents per

IMPORTANT: This offer is good only to Illinois REA co-op members and their families. Non-REA co-op member rates, 10 cents per word (See "Regular Rate" information).

JUST write your proposition in the easy-to-follow form (below) and send it along to RURAL EXCHANGE, Illinois REA News, Box 1180, Springfield, Illinois.



# Rates Below For CO-OP MEMBERS ONLY!



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

4		

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 at will be 20 words. Price for 20 words (or less) is \$1.00 for e 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.)

		100				
YOUR	NAME				************	
YOUR	ADDRESS					
			(3.7	T		-

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

# Reaching Over 375,000 Rural People Each Month

#### Auctioneers

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

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OLD GUNS bought, sold, traded. We pay top prices. Send 10c for bargain list. M. Rywell, Box 104, Harriman, Tennessee.

100 GOLD filled collar buttons sent for any piece of old gold you send us. Lowe's, Dept. Y, Holland Bldg., St. Louis 1, Mo.

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 li-censed. Rose Smelting Company, 29-FA East Madison, Chicago, Illinois.

#### WATCHES WANTED!

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COME TO beautiful, healthful, fertile Ozarks for cheap homes and lands. For free lists and literature, write, Barnsley, Clarks-

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TOWN EDGE, 4 acres, two houses, modern except heat. City water, good road, city fire protection. Strout Realty, Holliday, Illinois.

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

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REBUILT ALMOST new 1 to 3 H.P. Gasoline engines. For use on lawnmowers, farms. shops. motorbikes, etc. Write Cauffiel Motor Industries, Service Department. Temperance, Michigan.

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BUILD YOUR own electric motors from scrap automotive generators—complete il-lustrated instructions for all makes. Only \$1.00. Autopower Dept. RA. 918 South Theresa. St. Louis 3, Mo.

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T. H. JOHNSON & SON, McCormick-Deering farm equipment. See our com-plete line of appliances. Route 29. West Taylorvile, Illinois.

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FREE CACTI . . . three different rare flowering cacti, including beautiful Mexi-can Golden Ball. Send 25c mailing charges. Aunt Reddy, Edinburg, Texas.

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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 vear warranty. Price f.o.b. factory (uncrated) 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

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

RIDING HORSE for sale, dark bay with white star in head. Mrs. Thurman Margason, Route 2, Oakland, Ill.

BERKSHIRE BOARS serviceable age. Also bred gilts. Black Diamond Stock Farm Marion L. Schupbach, Sparta, Illinois.

REGISTERED BROWN Swiss bulls, month to service age—excellent pedigrees. Priced low from \$75.00 up—to dairymen interested in herd improvement. For further details, write or come to: Pala-Barr Farm, Route 2, Barrington, Illinois.

REGISTERED HOV-STEIN bulls, 2 mos. to 12 mos. of age. Sired by son of well-proven sire out of 760 lb. 2x dam HVR records on cows. Sangamo Farm, R5, Springfield, Ill.

BEAUTIFUL REGISTERED saddle bred fillies. Bright chestnuts with white mark-ings. Thirty years a breeder. B. B. Rich-mond, R. 4, Columbus, Wisconsin.

3 GAITED English saddle pony, black four white stockings. 14 hand gelding 4 years. Well trained. Good manners. Also golden chestnut harness show pony 46 inches 6 yr. gelding. Good action. Write Melvin Faller, R2. Charleston, III.

FOR SALE: Purebred guernsey bull calves. Two months to serviceable age. From high producing dams. Tested for T. B. and Bangs. Everett R. Read, Woodbine, Illinois.

RED DANISH heifers, two months to two years, both purebred and grade. Two blue ribbon winners at 1950 Michigan State Fair included. Also some purebred bulls. Viggo Rasmussen, R3. Marlette, Michigan.

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

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HEREFORD BOARS for sale, Registered and vaccinated, Hillbrook Farm. Three miles north, two miles west of Macomb, Illinois. Donald Foster.



Co-op Members ... See

Preceding Page (pg. 23)

GRADE AND purebred Holstein and Guernsey calves. Bred for production and show ring competition. Cavey Farm. Elk-horn, Wisconsin.

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#### Miscellaneous

BLANKETS, COVERLETS, yarn many other woolen items for your w Batting custom made. Many gift it Free catalog. Middlebury Woolen I Goshen, Indiana.

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. Ver

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.

REVOLUTIONARY HEARING device. No battery, no wires, Just a simple ear plug that carries sound to the ear drum. Beaudry, 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. Skee Mfg. Co., 132 E. Main St., Webster, Mass.

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AT LAST! an unconditionally guaranteed double edge razor blade made of finest surgical steel. 50 blades 45c postpaid. Buril Co., 61 N. Dale, St. Paul 5, Minn. FREE CIRCULAR. Pipes, pipemaking kits. Ideal Christmas gifts. Carvapipe, 2829-I, Hamilton, Ohio.

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FREE DOUGH cutter with purchase of Gold Medal pie crimper and Gold Medal cookie and biscuit cutter. All three for \$1.00. Write Independent Sales Co., RFD No. 4, Mt. Vernon, Illinois.

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ARE YOU in trouble? Do you feel you can't tell anyone and yet you must. Maybe I can help you, free of charge. Just write and tell me about your problem and I'll write you an answer, all in strict confidence. Write A.C.L., P. O. Box 438, Bloomington, Ill.

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