

*Illinois*

# Rural Electric News

January, 1956



# Better Bargains

**Fair trading is dying, and consumers will benefit**

**T**HERE is big news for consumers. Fair trade control of prices—especially for electrical appliances—is on the way out!

Perhaps you have noticed the discounting of brand name merchandise by reputable firms, not just by the discount houses.

First to pull away from fair-traded merchandise was the Westinghouse Company. Their move is being watched by others and in other lines such as fountain pens, the lead is being followed:

All of which means that in the face of a boom market, the surplus of manufactured goods has reached the point where leading merchandisers and manufacturers are willing to call it quits on factory-established prices—the consumers' real friend "competition" has ruled out price fixing.

Behind all this are the rulings of

several state courts saying that "fair trade" is unconstitutional, thus giving the hard-driving price merchandiser the best reason in the world for discounting price-fixed merchandise.

Then, too, manufacturers found it expensive to continually be protecting those merchants bound together under fair trade agreements from the "price cutters" and discount houses.

Fair trade laws grew up during depression years when falling prices and business failures scared businessmen into demanding fair trade legislation. The movement spread until at the present time 45 states (except Vermont, Texas, Missouri and the District of Columbia) have such laws.

Dealers are bound together not to sell any fair-traded merchandise at less than the manufacturer's established price. Almost from the start there have been evasions of the legislation and many tricks used by both merchants and manufacturers to get around the laws.

Fair-traded merchandise has a fixed profit margin for the dealer ranging from 20 to 50 per cent. The discount merchant operating with a

less elaborate store and foregoing service on equipment works on about a 15 per cent margin.

There are arguments—pro and con—on fair trade practices. Most of these are advanced by organized trade associations representing groups of dealers in special lines. Consumer opinion on fair trading has been for the most part silent; although, when expressed is usually against fair trading. The consumer is generally thought to benefit more under open competition.

The laws are said to protect the small merchants; yet, they do protect inefficient merchandising and are particularly unfair to persons in low economic groups. It is a form of special privilege merchandising for certain retailers and manufacturers.

Yet, it is argued that fair-traded merchandise during periods of rising costs tends to rise more slowly than the market in general. Faced with trade-in problems on electrical appliances, merchants have found fair trading a distinct business handicap.

Fair trading may be thought of as a form of price supports—a subject now much in the minds of farmers. Merchants unable to compete

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By William S. Roberts

**P**IRATING of small rural industries and "cream" pockets of members is a prelude to power company seizure of rural electric systems, a case in the Pacific Northwest demonstrated last month. There, a public utility district, started with REA-financing and converted from a cooperative to public ownership three years ago, fell into the lap of the Washington Water Power Company under circumstances which could be duplicated in other rural areas.

There are efforts of power company spokesmen to picture the event as a "victory" of private over public power. But when the vital factors which affected the outcome are isolated, it appears to be a victory of power company wealth and other advantages over a rural electric system.

Why is this important to the rural electric cooperative member? Simply because he is paying off more and more REA loans each year, and for every dollar repaid to REA a co-op member somewhere has that much more equity ownership in his electric system. Millions of dollars already are involved, eventually it will be billions of dollars in equity provided by cooperative members which they should guard militantly.

Out in Stevens County, Wash., it all started with a dispute over a few rural industries within the area served by the cooperative which Washington Water Power Company reached out to grab. The co-op's directors converted their system to a public utility district to protect their

## Washington Report

members from repeated invasions of their territory. With revenue bonds authorized by voters of the county, they repaid their REA loans and continued serving a predominately rural area.

But the effort of the power company then became an "all or nothing" struggle to obliterate the rural system altogether.

In Stevens County, the Water Power Company served 2,900 consumers on 300 miles of line, the "cream" of the area. The P.U.D. served 2,300 consumers on 1,200 miles of line. But the advantage of density was only a small test of the power company advantage. Behind Stevens County, the power company possessed the revenue resources of vast other areas including the city of Spokane.

When the showdown test came in a plebiscite on selling the P.U.D. to the company last month, all the forces of the power industry bombarded voters with propaganda. A reported 35 "doorbell ringers" made a house-to-house appeal for votes, the radio, billboards and newspapers were used to influence the election—expensive but effective methods—and colorful pamphlets and small gifts were handed out by the bushel to win friends for the power company.

The result was a rural system was voted out of existence, not by its members but probably in the

main by the 2,900 consumers of the power company. Cooperative members would have more—in fact all—to say about the disposal of the system they own. But in any contest for ownership, the weight of power company wealth and experience would be a tremendous advantage to be overcome.

**A** decision of the United States Supreme Court not to hear an appeal by ten Missouri power companies last month marked the successful conclusion of the most significant court test of the Rural Electrification Administration in its history.

The suit started after the power companies failed to block an REA loan for cooperative generating and transmission facilities in Missouri, to be integrated with power facilities operated by the Interior Department. In Federal Court, the companies pointed out that REA Act only permits loans for providing central station electric service where it was not previously available. Once established, they argued, a co-op should not be allowed to construct its own generation plant.

After losing their first test in Federal Court, the power companies took their case to the Court of Appeals. The latter court ruled the companies were merely trying to establish a monopoly over power supply in an area which included cooperative service.

### Illinois

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Do not view television in a dark room. Properly balanced lighting will eliminate eyestrain by equalizing difference between the bright screen and room background.

A light behind the set lightens area around the TV, thus reducing contrast and making for more comfortable viewing.

## FOR BETTER TELE-VIEWING

*You need a properly lighted room, otherwise you will experience eyestrain; here are some helpful tips:*

**E**YESTRAIN and television can be almost synonymous. It is a physical reaction caused by watching television under improper lighting conditions. Just as you should provide the right comfort lighting for sewing, reading, and studying, so should you for television viewing. In most cases eyestrain will be eliminated.

Although every home presents a different problem, here are a few simple tips to help you safeguard the eyes of your family and make television watching more comfortable.

1. Make sure that the room is properly lighted: If the room in which you view television is dark, the pupils of the eyes try to adjust in size for the darkness of the room and the brightness of the screen. It is impossible for your eyes to dilate for the darkness and contract for the brightness simultaneously, so the eyes struggle for a compromise. Lighting, however, reduces the contrast between the screen and the room background thus relieving eyestrain.

2. Try rearranging your present lamps: Perhaps the lamps you now have just as they are, or possibly with different shades, will meet the requirements. The most comfortable arrangement of TV set, seating arrangement, and lamps for television viewing in your home is something that only you can determine. But here are some points to keep in mind:

(a) Be careful not to place lamps so they are reflected from the screen back into your eyes. As a suggestion, turn on your proposed lighting arrangement with the television set "Off." Sit in the various viewing positions in the room. If you can see the lighted lamps reflected in the darkened screen, that same brightness will remain as an annoyance when the TV set is "On." Then, either a rearrangement of lamps or viewing positions must be made.

(b) Do not use lamp shades that are brighter than the screen. It is usually desirable to use opaque shades, but some translucent shades are not too glaring.

(c) Try not to place lamp in front of the TV set so that the light coming from under or through the shade falls directly on the screen. Such improper lamp arrangement will "fade" the picture and it will not be sharp and clear.

(d) But above all: Do not sit in a dark room to watch television. Turn on enough properly placed lamps to give a low level of general lighting. Such lighting gives eye-comfort conditions which are necessary without distorting or "fading" the picture.

3. Remember you're not at the movies: Looking at television is not like seeing a movie. Here's the reason: The screen in the movie theater is many feet square and its picture is relatively low in brightness. Your television screen is measured in inches, and you look into the end of the tube which is 10 times brighter than a movie screen. Therefore, in movies where the screen is of low brightness, the theater of necessity is dimly lighted. In a home, however, where the television screen is bright, it should be viewed in a room where there is general lighting throughout. The important lighting is that in the area surrounding the TV set. In other words, the wall in back of the set should be well lighted without reflecting brightness on the TV screen.

4. Do not sit too close to the TV screen: Although there is no specific rule, the proper distance to sit from the TV screen is where you can see the picture best, but certainly not too close. If you sit closer than four feet, the picture will not be clear and you will experience eye discomfort. By trial, most grownups will



find a location that is most comfortable for them—usually from eight to 12 feet from the screen. Children, however, often sit much too close. Keep them at least four feet from the set.

5. Sit in front of the TV set: If the screen is viewed from too great an angle there may be considerable distortion of the picture especially in older sets. Try to view the picture as directly as possible.

6. Give your eyes a rest at intervals: Your eye doctor will tell you that the time limit for television watching will vary with different people. He will also advise you that periodic glances away from the screen around the room will relax the eye muscles from the strain of concentrating and focusing on one small area.

7. Eyestrain can be avoided: Dr. Franklin M. Foote, executive director of the National Society for the Prevention of Blindness, says, "Watching a correctly adjusted TV set in a room that is properly lighted is no more harmful than sewing, watching movies, or reading. There have been discoveries of near-sightedness, complaints of headaches, eye fatigue and other defects in the eye mechanisms since TV has entered our homes. It has proved a diagnostic tool in many cases. There are going to be more discoveries of this sort by people whose eyes have

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Adolph Rickenberg saves a half-day of work a week with this automatic feed grinder and mixer.

# Better ways To FEED

**Automatic electric feeding devices now on the market, offer farmers, at reasonable cost, ways of saving a lot of time and a great deal of labor in the never-ending feeding chore**

**P**ERHAPS the automatic electric mixers and feeders, now on the market, may answer your feeding problems. Adolph and Dietrich Rickenberg of Steepleville, Harvey Zehr of Fairbury, and Harold Smith of Windsor, solved their problems with three of the feeding devices.

The Rickenbergs use a Mix-Mill, which measures the supplement and grain, grinds and mixes all the feed they need, and does it automatically. "Saves at least a half-day of hard work a week," Adolph explains.

The two brothers are in the dairy business. They combined their operations two years ago, and made plans to double their milking herd from 21 cows to 42. But, their old method of feed handling presented them with a labor problem.

"You see, we were milking in one barn, and grinding the feed in another," Adolph points out. "I figured we hauled about two tons of feed a week from one barn to the other." It seemed they were doing nothing but hauling feed all the time.

Doubling the herd under that system almost surely meant doubling the work load too. "It used to take the two of us a good half-day to grind the corn, sack it, haul it over to the milking barn, then hand mix it."



Harold Smith's bunker feeder distributes silage over 102-foot trough in eight minutes, eliminating a hard job.

When the Mix-Mill came on the market, the Rickenbergs saw a way out of their problem. They purchased the first one available in their area. Now, instead of grinding the feed once a week, they grind it twice a day,—“but automatically.”

The mill is installed in the milking barn, convenient to the stanchions. Overhead bins hold shelled corn, barley, oats and supplement. Pipes carry the grain from bins into the four hoppers of the mill.

Four dials control the rates of feed mixing from each hopper. Twenty-five rates of mixing are provided. A fifth dial controls the total amount of grain fed into the mill. An ammeter adjusts feed flow to prevent overloading.

Adolph needs simply to set these controls, turn the time switch on, and go about his other chores. In less than 20 minutes 200 pounds of feed is mixed, deposited into a waiting cart, ready for the next feeding.

This operation is done after each milking, Adolph explains. “Then we have fresh feed ready for the next milking.” He explains that the mill and the remodeling of bins cost around \$500.

“But, if I can get a few more gadgets like this one to save labor around here, I’ll buy them.” You just can’t afford not to save time, Adolph and his brother feel.

Adolph realizes that besides saving labor, the mill eliminates the need of the tractor, or the services of either himself or his brother, if they happen to be busy. “My 13-year-old nephew can handle this machine.”

As for cost of electricity, tests have shown that if a farmer gets his electricity for two cents a kilowatt-hour, he can grind 100 pounds of feed for one cent, or at a cost of 20 cents a ton. In other words, each grinding costs the Rickenbergs about two cents. They are members of the Egyptian Electric Cooperative of Steepleville.

The Mix-Mill was developed by the Belle City Engineering Company of Racine, Wis. The component parts used in its assembly are UL-approved. The motor is sealed. The mill sells for around \$400, and this includes two extra screens.

The screens are 14-inches in diameter, and six inches wide. The 1/4-inch screen is stan-

dard equipment. Other sizes to choose from are: 1/16; 1/8; 3/16; 5/16; 3/8; 7/16; 1/2.

Harvey Zehr uses a Viking electric grinder to prepare the feed for his 7,000 chickens. Unlike the mix-mill, this machine merely grinds the feed, Zehr still does the mixing. “But it saves me a lot of time,” he says.

Zehr got the grinder back in 1947 for less than \$200. It has long since paid for itself, he explains. He used to truck the feed to town to be mixed at 25 cents a hundred. And he grinds around 2,000 pounds a week. That’s a savings of \$5 a week, now.

The poultryman has a 500 pound holding bin above the grinder. This channels the corn into the grinder, which can handle up to 1,000 pounds an hour. From the grinder, he blows the ground corn into an electric mixer, where his supplement is added.

However, Zehr feels that the key to his whole setup is the grinder. Besides being automatic, it is compact, and is “one of the handiest pieces of equipment I have.” All Zehr has to do is open the grain spout, snap the switch and go about his business, while the Viking is working.

Hardened steel hammer blades mounted directly on the motor shaft, turn 3600 times a minute within the full circular screen, converting the grain kernels to correctly sized ground feed.

A non-plugging, non-clogging feed control provides the correct flow of grain. A one-horsepower electric motor powers the grinder. The screens are 15-inches in diameter and come in sizes 1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 3/8, and 1/2.

According to the manufacturer 100 pounds of corn can be ground for one cent. Additional savings can be realized by doing this job on the farm, thus eliminating trips to and from town.

For farmers who want to grind ear corn, hay, corn stalks, or other roughage, there are available two special attachments, which fit on the front of the mill in place of the front cover plate.

Besides saving on labor and trips to town, Zehr feels that he is able to give his poultry a better feed mixture, and get better gains as a



Harvey Zehr uses an automatic mill to grind feed for his 7,000 layers. He figures he’s paid for the device many times over.

result. This is another reason why he feels it pays a farmer to grind his own feed.

Zehr, a member of the Eastern Illinois Power Cooperative of Paxton believes that electricity is the best power tool to come to the farm in a long time. Harold Smith of Windsor is also sold on electric power as a farm worker.

Smith uses an electric Jamesway bunker feeder and figures it eliminates the need of one man in his dairy operation. He is a member of the Shelby Electric Cooperative of Shelbyville.

Smith feeds 50 head of milk cows, from a 102-foot sheltered wooden trough. He used to cart the silage along this trough and dump it by hand. It took close to a half hour each feeding to do this job.

But, Smith figured he had too much labor as it was. Therefore, he got himself the electric feeder, and now does the feeding job in eight minutes with considerably less work.

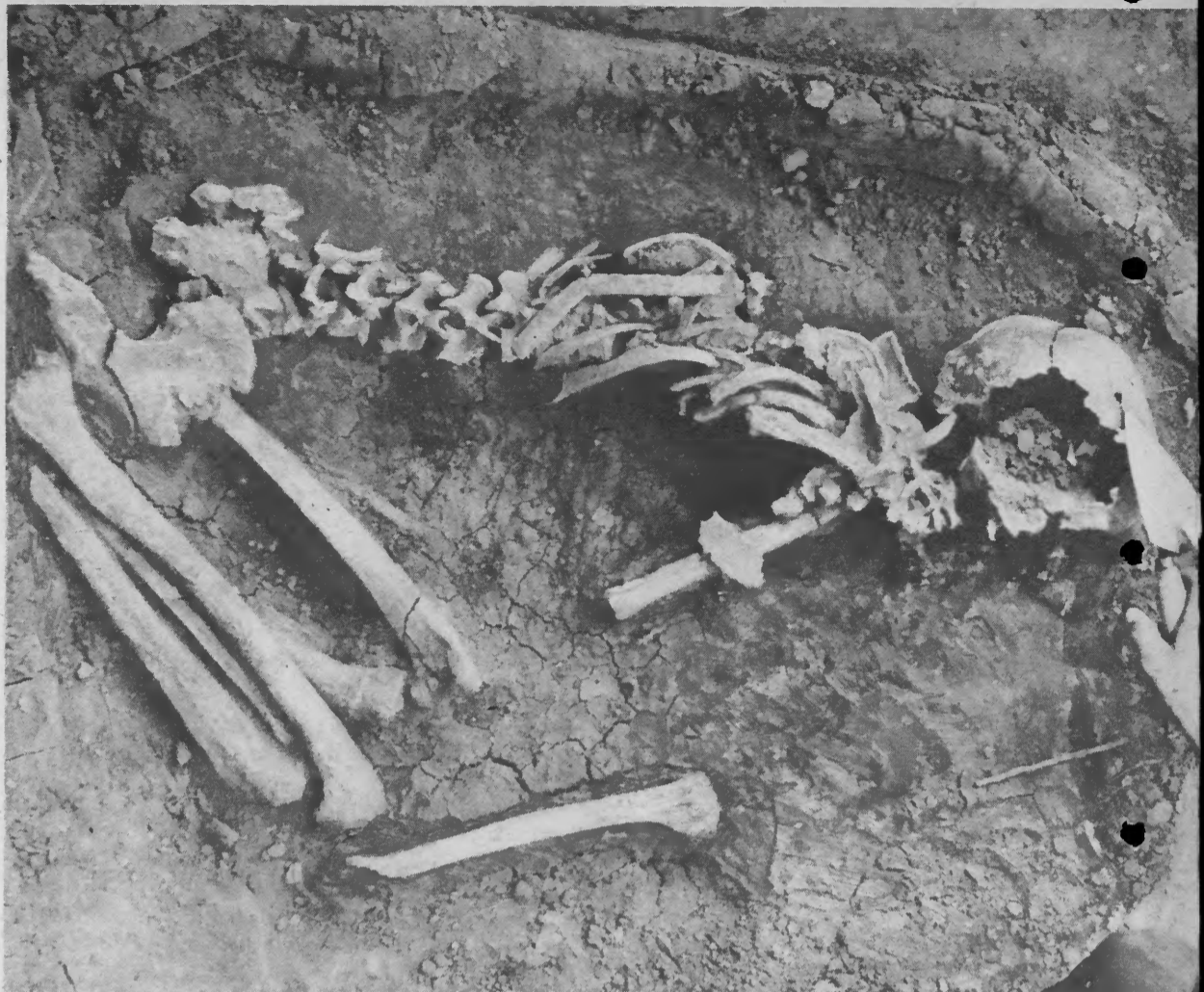
The silage is thrown from the silo, and carted to the end of the feeder. Here it is dumped. The electric feeder distributes it the length of the trough. It is called the shuttle-stroke cattle feeder, and operates without gears, chains, or sprockets.

Bars move in eight-foot strokes. Iron paddles attached to the bars fold across the bunk on the forward stroke, moving the feed out. On the return stroke of the drive bars, the paddles fold back to bypass the feed. They move forward on the next stroke.

According to Smith, “This is just one step in my improvement program. I intend to install an electric silo unloader and an elevator under the silo chute to make the whole feeding operation automatic.”



**YOUTHFUL ARCHAEOLOGIST** Stuart Struever, who is a member of Illinois Valley Electric Co-op, points to hole in head of Indian's skull, sign of ancient cure for a headache. The "cure" was often successful since it killed the patient.



**THIS SKELETON** of a Hopewell Indian, buried 2,000 years ago, was found on the Kuhne farm in Marshall County last summer during an archaeological expedition which unearthed an ancient Indian village.

# 2,000-Year-Old Village

## Remains of Ancient Hopewell Indian Civilization Discovered Few Feet Under Farmer's Orchard

A few feet beneath the orchard on Frank and Adolph Kuhne's farm near McNabb lay hidden a complete village of a tribe of Indians who thrived 100 years before the first Christmas.

A few bits of broken pottery and a couple of arrowheads appeared after a heavy rain washed away part of the creek bank that runs through the farm. Then Adolph Kuhne met youthful Archaeologist Stuart Struever at a Grange meeting. Struever had been invited to lecture on his speciality, early Indian civilizations of the Illinois Valley. That led to an investigation and then to a full scale expedition.

Struever and his workers, 12 high school students from the Marshall and Bureau County area, descended on the farm with picks and shovels last summer. By August they had uncovered what had once been a village of 150 to 200 Hopewell Indians. This "find," Struever says modestly, proved to be one of the most unusual ever made.

Atomic carbon tests showed that the Hope-

well Indians had lived on the Kuhne farm from about 186 B. C. to 150 A. D.

From the vast quantity of relics the expedition uncovered, Struever has been able to piece together an extensive description of what life among the Hopewells was like.

They were a very advanced tribe, much more civilized than the savage Indians whom the first whitemen in Illinois met centuries later. They were on a cultural level with the Aztec Indians of Mexico.

One of the reasons for the Hopewells' cultural and technological superiority, was that they were farmers. They learned how to grow food and therefore did not have to roam the continent in search of game as other tribes did. They had time for cultural pursuits.

Their method of farming was similar to that practiced in the Nile Valley in Egypt, 2000 years ago: In the Spring, the Illinois River, from which their village was a half-mile distant, overflowed. When the water receded, they planted their seeds. Corn and squash are two vegetables that it is definitely known they grew. They used crude hoes made of river clam shells and sticks to cultivate their crops.

They were a fairly hygienic people, Struever says. Each family had a deep garbage pit outside of its lodge, a pole-framed structure presumably covered with animal skins. It was in these garbage pits that most of the remnants of this ancient tribe were found. Besides well-pre-

served food specimens, including bones of mink, moles, elk and deer, corn cobs, and clam shells, these pits also revealed samples of artistic and technological skills, such as copper fishhooks and awls, stone axes, mauls, hammers, spoons, scrapers, needles, knives and arrow points, and a variety of pottery dishes, some of which are decorated with intricate geometric designs.

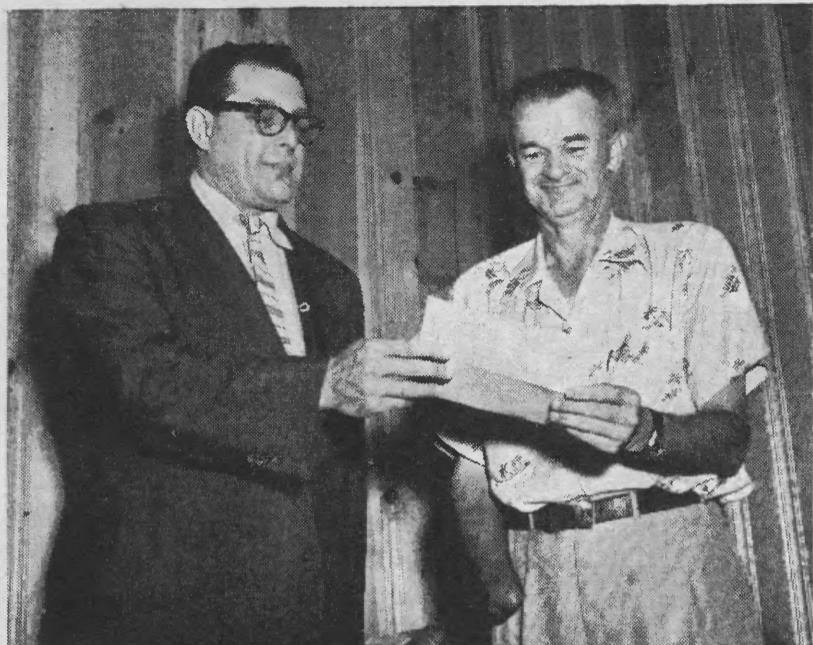
An interesting fact substantiated by the findings, is that there were no buffalo in Illinois during the Hopewellian era which lasted till 300 A. D. Had there been, bones of this animal would have been unearthed in the refuse deposits.

A short distance from the village, the expedition came upon the burial mounds of the villagers. Struever believes that the nobility of the tribe were interred in these mounds since the skeletons are surrounded by the most beautiful examples of pottery found during the excavations. Like the Pharaohs of Egypt, the Hopewell nobles took their prized possessions to the grave with them. Along with the skeletons, two "bundles" of bones were discovered. These consisted of small groups of disconnected long bones packed together, suggesting, Struever says, that they are the remains of "commoners" originally buried in the general cemetery, and later, either through a change in attitude or through family influence, transferred to the mound reserved for the "elect" of the tribe.

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# THE FARMERS' PLAN PAYS

## Here's Why



Philip Meade (left above), President of The Farm & Home Insurance Company, is shown as he presented a check for \$2,500 to Ernest Igo, a farmer from Claypool, Indiana, whose right hand was cut off on June 22, 1955, by a hay chopper. Mr. Igo presented his bills on August 9, and he received his check that same day. Mr. Igo took out one-half of a unit of protection in February of last year. (A full unit would have paid \$5,000.)

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8. No termination because of increasing age.
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11. Special provisions for pre-existing conditions.

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confined in licensed hospital, up to 3 months, any one case.

- Pays for 2 months out of each year for time lost due to pre-existing condition, if such condition is noted on application, and applicant is not under doctor's care at the time.

### HOSPITALIZATION

- \$8.00 or \$12.00 per day on room—YOUR CHOICE!
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- Each confinement 90 days.

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- Liberal payment for scheduled operations, dislocations, and fractures. Pays according to schedule up to \$200, in or out of hospital.
- Includes liberal benefits for X-ray treatments for cancer and tumors and deep X-ray and radium therapy when necessary, even in the doctor's office or laboratory.

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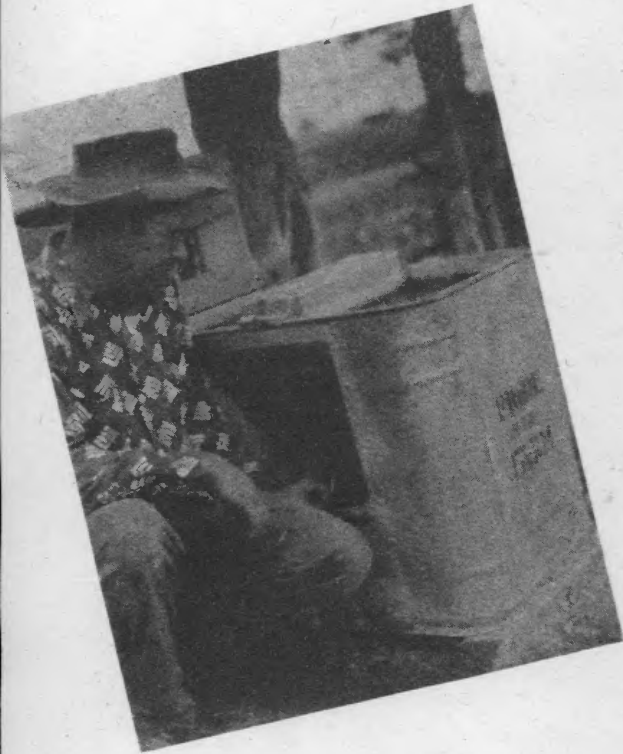
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# WINTER WATERING

*No Longer A Problem When The Job Is Turned Over To Automatic Electric Waterers, These Five Farmers Find*



OLD man winter may be a fearsome character to some farmers, but to five Macoupin County stockmen, he's of little concern. They have put in automatic, electrically-heated waterers to keep the water flowing in their stock pens this winter.

"My stock have all the fresh water they want. I don't have to chop any ice or fire any stove either," says Enos Waters of Carlinville. He has used his combination cattle-hog waterer for five years.

Still, Waters recalls in winters past, how he used to have to go out five or six times a day to fire the wood burner in the stock tanks. "That got to be one job, I didn't like to look forward to," he declares.

He raises about 300 head of hogs a year, and explains that water is quite a problem with them. "Hogs don't want water at your convenience, but at theirs," he declares. That's the beauty of this automatic waterer. "It provides them with warm water, whenever they are thirsty."

Waters is definitely sold on these combination waterers and plans on installing four more. "The best feature of them is that you don't heat the water, just merely warm it. I've found this is the most economical and efficient way of having ice-free water without making yourself extra work."

Jim Jones, of near Greenfield, installed his automatic waterer, because he had another problem besides frozen water. He had a lot of sick hogs on his hands last year, and he blamed the icy pond water for the trouble.

His nephew, Dale Wood, explains, "We have from 120 to 130 head of hogs each winter in this pasture where the pond is. We figured we had solved our water problem." But, last winter, many of the hogs got pneumonia.

This winter, Jones didn't want to chance

the cool water again, so he got the waterer. He also plans to use it to administer medicine to the hogs. "It should be easy to put in the bowl," Wood points out.

Orville Emery, known as 'Doc', of Carlinville, thought "\$100 was a lot of money to put out for a waterer," but now: "I wouldn't take anything for it. It is the best thing I have on this farm."

Like many other farmers, Emery had tried oil and wood heaters in his stock tanks, but neither proved satisfactory. "I was forever building the fire, or chopping ice."

Then, he heard about the electric waterer, and he says, "my troubles are over. I was a little skeptical at first, though, and I watched it for a while." But when he saw it keep the water free, he left it alone and "forgot it."

Emery straddled the fence with his waterer, thus enabling him to water stock in two lots from the same waterer. He has around 50 head of cows and 25 head of hogs.

Since he installed the waterer last year, Emery says he has noticed that the stock drink a lot more water. "I guess they are just like us humans. We don't care much for ice water in the winter, why should they?"

Wilbur Long of Chesterfield, had a somewhat different problem from the three previous stockmen. He kept his hogs about a quarter of mile away from his farmstead. Every day last winter, he had to walk the distance, to make sure the hogs had some water.

However, he had long dreamed of having an automatic waterer which would solve this problem, but had never done much about making this dream a reality, until last winter. "That was the straw that broke the camel's back," says his wife.

"He got tired of firing the wood burner in the tank." He looked around, found the automatic waterer was on the market, and installed one last summer. "He's looking forward to less work this winter."

**THREE FARMERS** who let electric waterers solve winter watering problems are Orville Emery (top) of Carlinville, Dale Wood of Greenfield, and Wilbur Long (bottom) of Chesterfield. M.J.M. Co-op Engineer Stults, demonstrates Long's equipment.

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CO-OP POWER helps Carl Koch raise pheasants for his private game preserve.

# Catering To Pheasant Hunters

"If the lure of the pheasant is in a hunter's blood," says Carl Koch of Breese, then he thinks his Beaver Prairie Game Preserve will more than satisfy this urge. Koch operates a controlled-shooting area.

With over 800 acres of land, from gently rolling plain, to rough, thicket-covered slopes, the preserve offers the hunter almost any type of hunting he desires. There are eight hunting areas, each ranging in size from 80 acres to 120 acres.

There's no limit to the number of pheasants a hunter can shoot. The minimum daily fee is \$13.50. It entitles a hunter to two pheasants, one cock and one hen. Additional birds cost \$6 for cocks and \$5 for hens.

However, Koch explains that during the regular state season, November 11 to 30, the hunters on his preserve must observe state law and cannot shoot hens.

The controlled season is from October 15 to February 15. And Koch guarantees there are enough pheasants on his place for every hunter. He raises around 1250 a year now, and turns some loose every hunting day.

Koch furnishes each group of hunters with a guide. He can accommodate up to 32 hunters a day. Each group is limited to four guns for reasons of safety. Hunters can use their own dogs, or rent one from Koch for \$2.50 per day.

The birds are all raised right on the hunting preserve in specially constructed pens. Koch starts the birds in early spring, under heat lamp brooders. He uses the red lamps to prevent cannibalism.

"I have been very satisfied with heat lamps," he explains. "I never had any serious trouble with them. I lost less than seven per cent of the

birds. Other breeders have told me they lose as high as 60 per cent." He credits the lamps with cutting losses.

When the birds are six weeks old they are put in pens. These pens are 150 feet by 30 feet, and are wire-enclosed. There are five pens, in all. Each pen has a float-controlled waterer.

Koch pumps water into a 50-gallon barrel, which he has elevated at one end of the pens. Water then is gravity-fed to each of the waterers. Small electric water heaters are used in the winter to keep the water from freezing.

Though the game preserve offers controlled shooting, each hunter must have a resident or non-resident Illinois license.

Koch's preserve is connected to the lines of the Clinton County Electric Cooperative of Breese.

handle the 5,500 birds in the same time it took me to care for only 300."

Water was at first a problem. "I spent \$847 to drill a well, only to have it go dry." He built an acre pond, which is 10 feet deep, and got an ample supply of water.

He put in an electric pump at the pond site and then pumped the water through 250 feet of plastic pipe to the poultry house. As a safeguard against disease, Wheeler installed a small chlorinator at the pump.

Wheeler plans on producing market birds of between three and three and a half pounds in nine to 10 weeks. He figures on having about four batches every year. "This way I'll hit the good market as well as the bad."

He estimates that eventually the poultry operation should provide one-third of his farm income. That's how he figures to beat low farm prices. He is a member of the Southern Illinois Electric Cooperative of Dongola.

experience in mind. He started with five cows and a few hundred chickens on his 32-acre farm near Olmstead in Pulaski County.

Today he has 25 head of purebred Brown Swiss, 5,000 broilers, and farms 250 acres. He credits this expansion to the success he has had with dairying and poultry. "When one market was down the other was usually up."

Until this year though, Wheeler says he raised his chickens in "hit-and-miss" way. "I was using about every building on the place. And, I didn't have a set program."

Recently he completed a 120 by 40 foot broiler house. He installed automatic waterers and a feeder in it to cut down on his labor. "I can

## He Diversifies

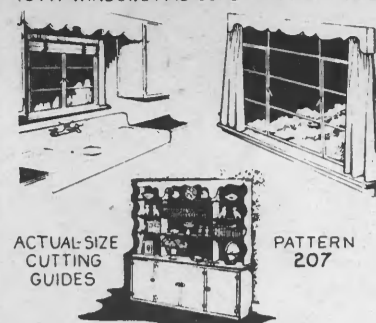
WHEN it comes to farming it pays to spread your eggs around a little, says F. E. Wheeler. "Never put them all in one basket." That's why he follows a diversified farm plan of dairying, poultry and grain crops.

A former extension field man in Ohio during the depression years, Wheeler says he noticed that the farmers who had two or three interests made out much better than those with one main crop.

"I also saw that the farmers who were raising poultry and doing a little dairying weren't singing the blues. They had monthly checks coming in."

When Wheeler started farming on his own, 20 years ago, he kept this

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- LONGER-WEAR



# Home-makers' Page

Edited by Kay Conlan

## Build Your Meal Around Skillet Main Dishes!

Cool weather calls for substantial meals and one of the best ways is to build those meals around skillet main dishes—combining a savory meat with potatoes, rice or a starchy vegetable. The little additional needed to round out the meal can be whipped together in a few minutes.

Skillets have come a long way since the footed black iron "spiders" Grandmother used. Many of them, which are designed for beauty as well as utility, can be rushed from the range to the table to double as handsome serving dishes. Or with the new electric skillets, you can cook right at the table.

This stew is no ordinary one, but a delectable combination of meat and vegetables tantalizingly flavored with spices.

### Company Beef Stew

- 1½ pounds beef stew meat
- ½ cup flour
- 4 tablespoons lard
- Ginger
- 1 teaspoon sugar
- Pinch of thyme
- 2 teaspoons salt
- ½ teaspoon pepper
- 1 bay leaf
- 1 medium onion, stuck with 4 whole cloves
- 2 tomatoes, peeled and quartered
- 1 green pepper, coarsely chopped
- 2 cups bouillon
- 4 medium carrots, cut in 2 inch lengths
- 4 medium potatoes, cubed
- 4 stalks celery, sliced
- 1 cup cooked peas

Cut beef into one inch cubes, roll in flour and brown in hot lard slowly and thoroughly. Sprinkle with ginger and the sugar. Add rest of seasonings, onions, tomatoes and green pepper. And bouillon (two cups water in which two teaspoons meat extract or two bouillon cubes are dissolved). Cover and cook at simmering temperature for one to one and one-half hours or until meat begins to be tender. Add carrots, potatoes and celery and cook for another half hour. Remove onions. Fifteen minutes before serving, add peas and top stew with spoonfuls of parsley dumplings made by adding finely chopped parsley to a standard dumpling recipe. Cover pan tightly and cook without removing cover for 15 minutes. (During cooking, additional water may be added, but for a rich tasting stew, do not add too much liquid). Five to six servings.

### Fried Chicken Vichysoise

- 1 frying chicken
- ½ cup flour
- 1 teaspoon salt
- ½ teaspoon pepper
- 1 teaspoon paprika
- ¼ cup butter or margarine
- ¼ cup lard
- 2 cups thinly sliced potatoes
- ¾ cup sliced green onions
- 2 chicken bouillon cubes
- 1 cup hot water
- 1 cup dairy sour cream

Coat pieces of chicken with flour to which seasonings have been added and fry to a golden brown in the butter and lard. Pour off any excess fat. Push chicken pieces to center of pan and arrange sliced potatoes in circle around chicken, salting potatoes lightly. Sprinkle onions over all, add bouillon cubes dissolved in hot water, cover and simmer for about 30 minutes, until chicken is tender. Remove cover, pour sour cream over chicken and continue to cook over very low heat for about five minutes, until mixture is heated through. Makes four servings.

### Rice Skillet

- ¼ cup butter or margarine
- ½ cup sliced onion
- ½ cup sliced celery
- ½ cup uncooked rice
- 1 teaspoon Vitalox (or 2 beef bouillon cubes)
- 2 cups hot water
- 1 teaspoon prepared mustard
- ½ teaspoon salt
- dash of pepper
- 6 slices cooked ham
- ½ cup grated medium aged cheddar cheese

Cook onion, celery and rice in butter until rice is golden brown. Dissolve Vitalox in hot water, add mustard, salt and pepper and stir into rice mixture. Bring mixture to a boil, then reduce heat, cover and simmer for about 25 minutes, until most of the liquid is absorbed.

Uncover, arrange the cooked ham slices on top and continue cooking, covered, for about 10 minutes, until meat is hot. Just before serving, sprinkle cheese on the ham slices. Makes four to six servings.

### Pork Chop and Corn Skillet

- 6 rib or loin pork chops, cut 1 inch thick
- ¼ cup hot water
- 1½ teaspoons salt
- ½ teaspoon pepper
- ½ teaspoon thyme
- 2 No. 303 cans whole-kernel corn
- Salt and pepper
- 6 tablespoons chili sauce
- 6 dill pickle slices (cross-cut)

Brown pork chops slowly and evenly in hot skillet. Add the one-quarter cup hot water, the salt, pepper and thyme, cover and simmer for



Company Beef Stew

about 40 minutes. Remove chops from skillet, add corn and sprinkle lightly with salt and pepper. Arrange chops on top of corn and crown each chop with a tablespoon of chili sauce and a dill pickle slice. Cover skillet and continue cooking for about 10 minutes, until corn is heated through. Makes six servings.

### Stuffed Flank Steak

- 1 flank steak, about 1½ to 2 pounds
- ½ cup butter or margarine
- 1 (4-ounce) can sliced mushrooms, drained
- 1 cup water
- ½ (8-ounce) package herb-seasoned stuffing
- 2 tablespoons butter or margarine
- 1 tablespoon lemon juice
- ½ cup hot water

Score flank steak on both sides. Cook mushrooms in the one-half cup butter until lightly browned. Add the one cup water and the stuffing and toss lightly with a fork until crumbs are thoroughly moistened. Spoon stuffing onto surface of steak, almost to edges, and roll, jelly-roll fashion, securing edges with skewers and lacing with cord. Brown rolled steak evenly and slowly in remaining butter. Add lemon juice and water, cover and simmer for about one and one-half hours, until meat is tender. Makes six to eight servings.

(Meat must be rolled into long thin roll, with fibers running lengthwise, so that in cutting, knife will cut across fibers.)

### Barbecued Round Steak

- 2 pounds round steak, cut ½ inch thick
- ¼ cup flour
- 1½ teaspoons salt
- ¼ teaspoon pepper
- 1½ teaspoons dry mustard
- 2 tablespoons butter or margarine
- 1 tablespoon brown sugar
- 1½ teaspoons Worcestershire sauce
- 2 tablespoons vinegar
- ¾ cup water

- 1 (6-ounce) can tomato paste
- 1 small clove garlic, minced
- ½ cup chopped onion
- ½ cup chopped green pepper
- ¼ cup chopped parsley

Cut meat into pieces about one inch in width and two and one-half inches in length and coat in flour combined with salt, pepper and mustard. Brown slowly and evenly in butter in heavy skillet. Add remaining ingredients, cover and simmer for about one and one-half hours, until meat is tender. Add more water, if necessary, during cooking to prevent sticking. Makes six to eight servings. Serve over hot noodles or rice.

### Beef Balls With Spanish Rice

- BEEF BALLS**
- 1 pound ground beef
- 1 slightly beaten egg
- ½ cup fine, dry bread crumbs
- 1/3 cup milk
- 1/3 cup catsup
- 1½ teaspoons salt
- ½ teaspoon pepper
- 1½ teaspoons Worcestershire sauce
- 1½ teaspoon chili powder
- ¼ cup fat
- SPANISH RICE**
- ½ cup uncooked rice
- ½ cup chopped onion
- 2 tablespoons chopped green pepper
- 1 can tomato soup
- 3 whole cloves
- 1 small bay leaf
- ¾ teaspoon salt
- 2 teaspoons sugar

Combine first nine ingredients and shape into 12 balls. Brown on all sides in the hot fat in a 10-inch skillet or Dutch oven, turning carefully. Remove balls and in the hot fat lightly brown the rice; add onion and green pepper and cook until tender. Stir in soup, one and one-half cups water and the remaining ingredients. Cover and cook over low heat for 35 minutes, stirring frequently. Add balls, pushing them well down in the rice. Cover and continue cooking for about 10 minutes. Four servings.

# New Patterns For The Handiwork Fans

THE quiet that follows the holiday season is a good time for the accomplishment of new things. To the homemaker who enjoys knitting, sewing and crocheting it means more leisure hours to really get into handiwork projects. For our pattern list this month we have selected these eight designs because they represent varied types of articles and needlecrafts. Perhaps there is a leaflet or two you would like to order.

To get your patterns: 1. Check the patterns you wish on the Pattern Order Coupon at the bottom of this page; 2. Enclose a clearly SELF-ADDRESSED and STAMPED envelope for every three patterns you order; 3. Mail your order so that it will be postmarked before the postmark expiration date, January 31, 1956.

1. **LENNY THE LION**—completely tame and willing to be cuddled and loved. His pink wool crocheted body highlighted with embroidered daisies. Green felt is used for his mane and tail.

2. **CARRY ALL CASE**—Here's a neat little bag that goes everywhere with ease. It is crocheted of cotton blended with metallic yarn to add glamour.

3. **EVENING SWEATER**—The blouse is knitted in a striped effect that is achieved by using plain cotton and metallic cotton in alternating rows. Neckline and edges of the brief sleeves are outlined with silver beads. Directions are given for sizes 12, 14, 16.

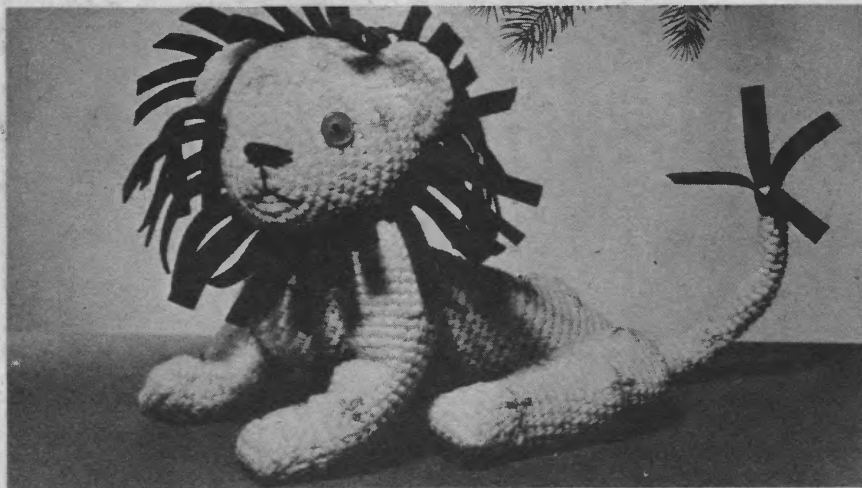
4. **CROCHETED INFANT'S SET**—This shell stitch infant's set consists of sacque, cap, booties and mittens. Satin ribbon is laced through neckline of sacque, trims rest of the set.

5. **BARNYARD APRONS**—Tricky pockets, resembling barns, are made of red and white striped cotton. Colorful embroidered hens and roosters are shown scratching around barnyard. The embroidery can be done quickly on zig zag sewing machine. If you don't have such a machine you can make the clever design with six strand embroidery floss.

6. **SEQUINNEED SKI SET**—Three piece set consists of a snug-fitting cap with ear-protecting flaps buttoned under the chin; a long, fringed scarf and rib-cuffed mittens. Each piece is knitted in stockinette stitch with cable pattern running down center.

7. **MAN'S ROBE**—Plaid trims this man's robe and gives the otherwise plain, serviceable style a dash of color and pattern interest. Because this pattern has easy to cut pattern pieces and simple seams, it can be made by even a beginner.

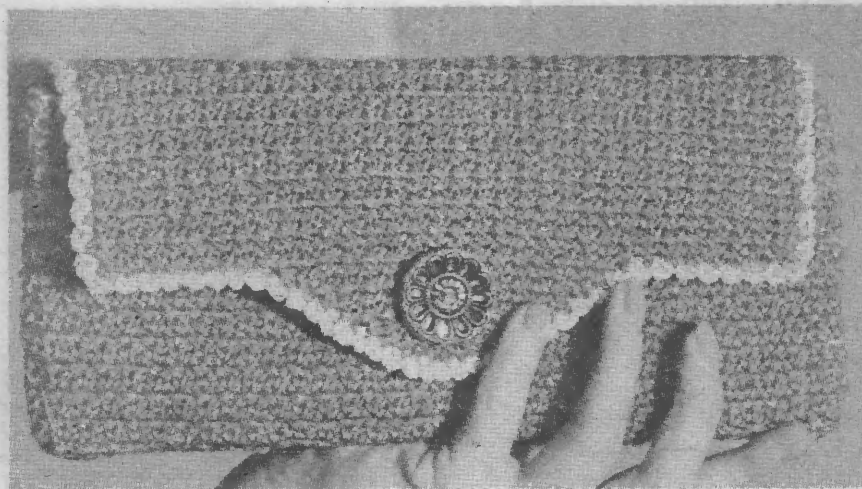
8. **HAT AND BAG**—This set is crocheted using double thick cotton and cotton with metallic strand. The hat is the popular cloche style and the matching bag follows the trend to deep and narrow handbags.



1. Lenny The Lion



5. Barnyard Aprons



2. Carry All Case



6. Sequined Ski Set



3. Evening Sweater



4. Crocheted Infant's Set



7. Man's Robe



8. Hat And Bag

## Pattern Order Coupon

Kay Conlan  
ILLINOIS RURAL ELECTRIC NEWS  
Box 1180  
Springfield, Illinois

Please send me without charge the pattern leaflets which I have checked below. I am enclosing a STAMPED, SELF-ADDRESSED envelope for every THREE patterns requested. (If possible, the envelope which MUST accompany all pattern orders should be of the larger size.)

- |                              |                        |
|------------------------------|------------------------|
| 1.....Lenny The Lion         | 5.....Barnyard Aprons  |
| 2.....Carry All Case         | 6.....Sequined Ski Set |
| 3.....Evening Sweater        | 7.....Man's Robe       |
| 4.....Crocheted Infant's Set | 8.....Hat And Bag      |

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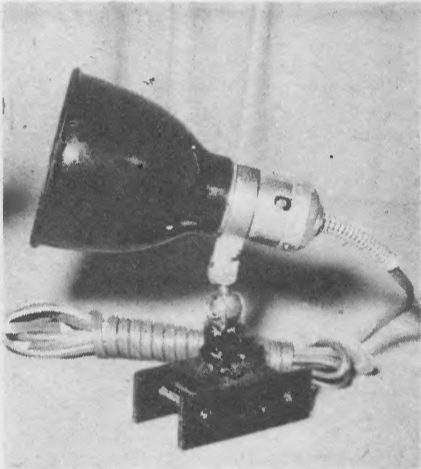
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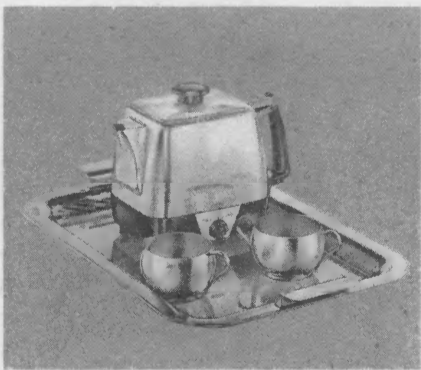
## What's New?



Ironing ruffles on curtains, lingerie, blouses, children's clothes, and other articles is almost child's play with this new automatic Little Smoothie ruffle iron. The appliance is simply a rounded, heated ironing surface over which materials can be pressed and smoothed by simple hand action. The iron can be purchased for \$14.95 from the Harris Industries, Inc., Stamford, Conn.



Here's a magnetic base worklight which can be adjusted to any position, or at any angle. The light can be attached to any iron, or steel surface. The light is available from the Danville Tool Company, Danville, Ill., for \$7.95. Parts are all UL-approved.



For instant coffee, hot chocolate, or tea, the new Nesco Tea-Ryte instant beverage maker functions at a cup-a-minute rate. Made in gleaming chrome, it has a 10 cup capacity. Complete with removable sturdy aluminum tea basket, cord and recipe book, the UL-approved automatic electric appliance retails at \$29.95. For \$10 more, the chrome tray, sugar and creamer can be had.

## Wholesale Power Matters To Be Topic Of Statewide Meeting

A meeting to discuss Illinois wholesale power supply matters, will be held one evening during the St. Louis convention. (Jan. 23-26) of the National Rural Electric Cooperative Association. Representatives of all Illinois rural electric systems will be invited. This action was approved at the December 15 board meeting of the Association of Illinois Electric Cooperatives, held in Springfield.

After a lengthy discussion of

wholesale power questions, including district reports, the State Association directors instructed State Manager A. E. Becker to arrange an evening meeting during the NRECA convention. Manager Becker will notify each cooperative when arrangements as to meeting place and date, have been verified.

Several reports were heard by the board including one dealing with the first meeting of the newly formed Co-op President's section. Of-

icers elected by the section were Clay Trimble, president, Robert Wagner, vice president, and F. J. Longmeyer, secretary. Manager Becker reported on the Inter-Industry Farm Electric Utilization Council meeting held in St. Louis in November. The meeting dealt primarily with power use problems.

President William Bradley appointed a committee of three directors—G. Wayne Welsh, Wayland Bonnell, and F. J. Longmeyer—to work with Manager Becker in investigating the feasibility of renewing the present lease for Association office facilities.

## Your Rural Electric Co-op offers you a BARGAIN in Better Seeing



The right size and type light bulb for each individual seeing task is common sense economy in more ways than one. Actually, you will often find that one bulb of the proper wattage and design will do the work of two or more ordinary bulbs, even though they may have a combined higher wattage.

Your eyesight is one of your most precious possessions — good lighting is your cheapest form of insurance for protecting it. And what better way to start than with this bargain in better seeing — Sylvania's bag of bulbs assortment.

### Here's what you get

An assortment of the most used household lamps, attractively packaged in a re-usable, heavy duty plastic refrigerator bag. And for good measure, a copy of Sylvania's informative folder "Are you in the dark about what size light bulbs to buy" is included. This interesting guide to better seeing includes a handy reference chart which may be tacked up in some convenient place, and which shows the proper bulb type for most popular types of fixtures and lamps about the home.

	List Value
4 — pack 100 watt Sylvania lamps	\$ .88
1 Sylvania 150 watt Kitchen Lite	.25
1 Heavy duty plastic Refrigerator Bag	.10

Total **\$123 VALUE FOR ONLY**

Available at these electric co-ops:\*

Edgar Electric, Paris.  
Rural Electric Convenience, Auburn.  
Western Ill. Electrical, Carthage.  
McDonough Power, Macomb.  
Illinois Rural Electric, Winchester.  
Southeastern Ill. Electric, Eldorado.

Adams Electrical, Camp Point.  
Egyptian Electric, Steeleville.  
Southern Ill. Electric, Dongola.  
Wayne-White Electric, Fairfield.  
Clay Electric, Flora.  
Clinton County Electric, Breese.

\*Some of these participating cooperatives have made arrangements with local organizations to handle this lamp bulb package, in addition to having them available at the co-op office.



MISS ILLINOIS Rural Electric Co-op of 1955, Miss Rosanne Allen of Carmi, receives the first package of bulbs from her co-op manager, Owen Chaney, at the Wayne-White Counties Electric Cooperative office in Fairfield.

## Illinois Electric Co-ops Launch Light Bulb Campaign

A statewide light bulb campaign was launched this month by 12 rural electric cooperatives. The program has the endorsement of the Association of Illinois Electric Cooperatives.

State Manager A. E. Becker pointed out that one of the purposes of such a program is to provide a service to co-op members. The bulbs, purchased in volume, provide a substantial savings, which can be passed on to the members.

"Several of the participating co-

ops are going to work with local organizations, such as 4-H groups, FFA chapters and church groups in distributing the light bulbs. These groups in turn will receive a little revenue from the sale."

Becker explained that the campaign is designed to provide better light for modern living. "This would appear to be the appropriate time for members to fill up the empty sockets in their homes."

The bulbs will be offered in two different packages. In a freezer bag assortment there will be four, 100-watt bulbs, and one, 150-watt bulb, with a retail value of \$1.23, selling for \$1. A mailing carton will contain four, 75-watt bulbs, four, 100-watt, and three, 150-watt bulbs with a retail value of \$2.39, selling for \$2.

"Not all of the participating co-ops are going to handle both the bag and box of bulbs," Becker said. He advised the members to read the ads in the Illinois Rural Electric News first before contacting the co-op office.

The following co-ops are participating in the bulb package deal, which sells to the members for \$1:

### Participating Co-ops

Adams Electrical of Camp Point.  
Egyptian Electric of Steeleville.  
Southern Illinois of Dongola.  
Wayne-White of Fairfield.  
Clay Electric of Flora.  
Clinton County of Breese.  
Edgar Electric of Paris.  
Rural Electric of Auburn.  
Western Illinois of Carthage.  
McDonough Power of Macomb.  
Illinois Rural of Winchester.  
Southeastern Illinois of Eldorado.

\* \* \*

The following co-ops are also distributing the box of bulbs:

Egyptian Electric of Steeleville.  
Southern Illinois of Dongola.  
Wayne-White of Fairfield.  
Edgar Electric of Paris.  
Rural Electric of Auburn.  
Western Illinois of Carthage.  
Illinois Rural of Winchester.



Buy Better  
LIGHTING  
by Mail...



### and SAVE money in the bargain

You probably wouldn't go to town to save 39 cents — and what's more, you don't have to for here's a bargain in better seeing that's delivered right to your door.

This assortment of the most wanted sizes of high quality Sylvania light bulbs, attractively packaged in a sturdy mailing carton, will be sent to you postage paid.

Fill those dangerous, empty sockets about the home and farm and enjoy the benefits of good lighting — it's really a low cost form of insurance against accidents. And it's always wise to have spare bulbs on hand too.

This bargain in better seeing is made available to you as another service of your Rural Electric Co-operative.

Clip the coupon below and mail it today to your Rural Electric Co-op.

### HERE'S THE ASSORTMENT SYLVANIA'S BOX OF BULBS CONTAINS

- 4 75 Watt
- 4 100 Watt
- 3 150 Watt Kitchen Lites

A \$2.39 VALUE  
FOR ONLY



### COUPON

Please send me ( ) "BOX OF BULBS" ASSORTMENTS @ \$2.00 each.

#### CHECK ONE:

- Remittance Enclosed  Name \_\_\_\_\_
- Add cost to my next Bill  Address \_\_\_\_\_
- I will remit cost with my next Bill  Town \_\_\_\_\_
- State \_\_\_\_\_

Available at the following Illinois electric co-ops:

- Egyptian Electric, Steeleville.
- Southern Ill. Electric, Dongola.
- Wayne-White Electric, Fairfield.
- Edgar Electric, Paris
- Rural Electric Convenience, Auburn.
- Western Ill. Electric, Carthage.
- Illinois Rural Electric, Winchester.



"Pa, let's go hog-wild and buy us a 100-watt light bulb."

## National Grange Convention Supports Electric Co-ops

The 89th annual convention of the National Grange held in Cleveland, in November unequivocally rejected the recommendations of former President Herbert Hoover's Commission to abolish the Rural Electrification Administration.

The resolution stated: "Whereas, the Hoover Commission has recommended that the REA be abolished and a new Federal Corporation be organized under the name Rural Electrification Corporation, and that Congress provide no more loan or administration funds for electrification purposes, "Be it resolved that the National Grange urge the rejection of the Hoover Commission's recommendation in regard to the REA."

The National Grange thus joined forces with the National Rural Electric Cooperative Association, National Farmers Union and various state Farm Bureau Associations, who also oppose the Commission's desire to abolish REA.

The Grange also went on record in opposition to increasing REA's 2 per cent interest rate on electrification and telephone loans. "If at any time in the future it seems feasible to lower them," the resolution declared, "it should be done."

The Grange also approved the

following policy on unfair co-op taxation: "Cooperatives' financial success depends on the consistent plough-back of members' margins into the associations' capital structures.

"The Grange will oppose any taxation, credit or other public policy which restricts or penalizes the operation and services of farmer cooperatives and the farmer's right to re-invest his margins from co-op operations back in his association for maintenance and expansion of needed facilities and services."

Another resolution urged a speed-up of REA's telephone program, because "the telephone is becoming more and more of a necessity in rural life, but at the same time the percentage of farm homes served by telephones is only about 42 per cent."

The Grange delegates called upon Congress "To provide adequate loan authorization and administration funds for the REA to insure continued progress so that extensions can be made into unserved areas, and so that existing electric systems can be modernized to meet increased energy demands and generating plants and transmission lines can be constructed where reasonably necessary."

## Jo-Carroll President Warns Co-ops Against Complacency

Rural Electric Cooperatives cannot afford to become complacent, Morris W. Birkbeck, president of the Jo-Carroll Electric Cooperative, said in his report at the co-op's annual meeting, held December 3, at Mt. Carroll.

"We have got to keep on our toes because there is still a lot of opposition to the program," Birkbeck declared. "That's why we have to keep abreast of what is going on in the state and nation."

The president explained that the co-op was a member of the state association, as well as the national association of rural electric co-ops. "These organizations watch out for our interests."

Manager Chuck Youtzy reported on the work done by the co-op last year in construction and line spraying. Fifteen miles of line in Carroll County was converted from single phase to three phase.

Last summer the co-op crews sprayed about 300 miles of line. "We hope to spray under the rest of the co-op lines this coming year. This program has done much to provide better continuity of service."

Youtzy thanked the members for the fine cooperation they have given the co-op management. He reminded

them that when they help the co-op, they are helping themselves. "You are the owners of this co-op," he said.

Three directors were re-elected for three-year terms. They were: Boyd Handel of Chadwick; Jesse McIntyre of Savanna, and E. L. Dauphin of Savanna. Harry Hall of Mt. Carroll was elected to fill the unexpired term of H. G. Dittmar, who died recently.

Clayton Dittmar gave the treasurer's report and Mrs. Berniece Moore read the minutes of last year's meeting. A movie on "The Flambleau Story" was presented by courtesy of Dairyland Power Cooperative.

A box lunch was served and music was provided by Law's orchestra.



"Must I keep reminding you we're not subletting anymore!"

## Along the Line:

*glimpses of how co-op folks are putting electricity to use*

DON LITTLE operates a service station outside of Geneseo in northern Illinois. His whole operation is dependent upon co-op electricity. From pumping gasoline to filling tires, service from the Farmers Mutual Cooperative is used.

"It isn't hard to imagine what a fix I would be in, if the service went off," 31-year-old Don says. "I would just have to close up. A service station can't be run efficiently without electricity."

In addition to the station, Don runs a small restaurant. Last summer he installed two air conditioners in it, thus making further use of the co-op's electric current. This typifies how rural electricity is becoming increasingly important in rural businesses.



★ ★ ★



A SINGLE, 60-watt electric light bulb furnishes enough heat to keep the water in Berton Zink's poultry house from freezing. The waterer sits atop the bulb, which is installed in an insulated base, in a porcelain socket.

The idea for the water heater was all Zink's. "Why should I buy one, when I can make it cheaper," he reasons. He figures he made the water heater for one-third of what it would have cost him to buy a new one. He used rock wool for insulation.

Zink is a member of Jo-Carroll Electric Cooperative of Elizabeth. His farm is located about seven miles southeast of the co-op's headquarters. Besides poultry, he milks a few cows, and raises some hogs.

★ ★ ★

CHICKENS, ESPECIALLY broilers, can turn a small farm into a large producer without much overhead, believes W. W. Orndoff of Findlay. On his 120-acre farm, Orndoff raises 40,000 broilers a year.

With a planned feeding program, he figures he can net an average of 10 cents a bird, or a little better than three cents a pound. To do this he says for each pound of weight-gained, he must not feed more than 2.8 pounds of feed.

That's his reason for hand feeding the birds. He watches them more closely and prevents feed loss. But, he uses his electric service to handle the watering chore. "It's a lot more efficient," he says. He is a member of the Shelby Electric Cooperative of Shelbyville.



# JUNIOR RURAL ELECTRIC NEWS

## PEN PALS

**Hi Pen Pals!**  
The start of a new year—and what a wonderful time to start a letter-writing friendship with one or more of the boys and girls whose letters appear in this issue. Read over all the letters for you are sure to find someone with a hobby or interest the same as yours—or perhaps a birthday. These Pen Pals are waiting to hear from you. Letters for publication should be addressed to Kay Conlan, Junior Rural Electric News, Box 1180, Springfield, Ill.

**BABY CHICKS**  
I am a boy 12 and my birthday is August 9. I have hazel eyes, black hair and weigh 79 pounds. I'm four feet 10 and my hobbies are swimming, riding a bike and taking care of baby chicks. Would like to hear from boys and girls between 10 and 16. — Herbert Upton, R. R. 6, McLeansboro, Ill.

**LIKES BOWLING**  
I'm 19 and my birthday is July 31. I have brown hair, blue eyes and I'm five feet, nine. My hobbies are writing, bowling, swimming, hunting and collecting pictures. — Charles Hamburger, Burnside, Ill.

**PLAYS SOFTBALL**  
I'm 12, have blue eyes and blonde hair and my birthday is March 11. My hobbies are playing softball, watching TV and listening to hillbilly music. Would like to hear from girls and boys between 12 and 16.—Georgia Earline McMillin, R. R. 1, Elkhart, Ill.

**4-H CLUB MEMBER**  
I'm 14 and my birthday is May 5. Do I have a twin? I have blue eyes and blonde hair and I'm in the eighth grade. My hobbies are skating, dancing and playing softball and basketball. I belong to a 4-H Club.—Carol Jean Binning, R. R. 2, Sorento, Ill.

**JULY BIRTHDAY**  
I'm 13 and my birthday is July 6. I'm four feet, nine and weigh 85 pounds. My hobby is outdoor sports. Would like to hear from Pen Pals between 10 and 13 and exchange pictures, too.—Gary Wayne Morris, R. R. 6, Mt. Vernon, Ill.

**HAS MANY PETS**  
I'm 14 and my birthday is December 6. I have dark brown hair and I'm in the eighth grade at Ashkum Grade School. My hobbies are acrobats, riding a bike and watching TV. I have a rabbit, a cat and baby chicks for pets. I would like to have pictures and would like to hear from boys and girls of all ages.—Marlene Hilton, Box 265, Ashkum, Ill.

**SEVENTH GRADER**  
I'm 12 with a July 7 birthday. I'm in the seventh grade and have blonde hair and blue eyes. My hobbies are reading and writing letters. Would like to hear from boys and girls between 11 and 15.—Joyce Hemphill, R. R. 3, Golconda, Ill.

**LIKES PAINTING**  
I'm 14 and my birthday is February 16. Have blonde hair and brown eyes and my hobbies are writing letters, singing, drawing, painting and playing softball. Would like to exchange pictures.—Floie Hill, Box 232, Route 2, Harrisburg, Ill.

**SEVENTH GRADER**  
My birthday is June 10 and I'm 13, with brown hair and brown eyes. I'm in the seventh grade and my hobby is going to shows.—Linda Bradford, 2508 Marion Avenue, Mattoon, Ill.

**MAY BIRTHDAY**  
I'm 11 and my birthday is May 16. I'm in the sixth grade and have dark brown hair and green eyes. My hobbies are writing letters and reading. Would like to hear from boys and girls between 10 and 13.—Jane Ella Avery, R. R. 1, Johnston City, Ill.

**PLAYS HOPSCOTCH**  
I'm 10 and my birthday is June 22. Do I have a twin? My hobbies are playing baseball and hopscotch. I'm a Girl Scout and I like to go on camp-outs. I go to St. Joseph School.—Evelyn Spitz, R. R. 1, Claremont, Ill.

**HILLBILLY MUSIC**  
I'm 16 and my birthday is May 11. I'm a junior at Carmi Township High School and I have light red hair and hazel eyes. My hobbies are listening to hillbilly music and answering letters. Would like to hear from girls and boys between 15 and 18.—Marie Pruitt, R. R. 5, Carmi, Ill.

**HAS TWIN SISTERS**  
I'm 12 and in the seventh grade. I have a brother and five sisters—and two of my sisters are twins. I have a dog and a kitten and a pony. My hobbies are riding my pony and reading. I would like to hear from boys and girls between 11 and 15 and exchange pictures.—Bonita Yelton, R. R. 3, Mt. Sterling, Ill.

**LIVES ON FARM**  
I live on a farm, am nine and my birthday is September 10. My hobbies are horseback riding and playing with my kitten. My pony's name is Babe. Would like to hear from boys and girls between eight and 10.—Jane Yelton, R. R. 3, Mt. Sterling, Ill.

**INDIAN POINT SCHOOL**  
I go to Indian Point School and my hobbies are reading, writing letters and singing. My birthday is July 18 and I'm 12. I have brown hair and brown eyes. Would like to hear from girls and boys between 10 and 13.—Linda Carol Rogers, R. R. 2, Athens, Ill.

**FIFTH GRADER**  
I'm 10 and my birthday is March 30. I have brown hair and brown eyes and I'm in the fifth grade at Butterfly School. My most interesting hobbies are playing the piano, singing and watching TV. Would like to hear from boys and girls between 10 and 13.—Sharon Kaye Donoho, Xenia, Ill.

**PLAYS GUITAR**  
I'm 13 and my birthday is November 18. Have hazel eyes and brown hair and I'm in the seventh grade. My hobbies are reading, playing the guitar and singing. Would like to hear from boys and girls between 11 and 14.—Loretta Faye Vanatta, Box 1, Hidalgo, Ill.

**UNITY SCHOOL**  
I'm in the sixth grade at Unity School, I'm 12 and my birthday is August 12. My hobbies are writing letters and cooking.—Shirley Crenshaw, Route 1, Brookport, Ill.

**HILLBILLY MUSIC**  
I'm 13, have dark brown hair and brown eyes and my birthday is November 29. I go to Grimsby Grade School and my hobbies are hillbilly music, playing baseball, folk dancing and working outside. Would like to hear from girls between 11 and 15.—Veberly Heiple, R. R. 1, Gorham, Ill.

**MAY BIRTHDAY**  
My birthday is May 10 and I'm 14. I have brown hair and brown eyes and weigh 100 pounds. Have a brother and a sister and would like to hear from boys and girls between 13 and 16.—Beverly Jane Cox, R. R. 2, Stronghurst, Ill.

**PLAYS PIANO**  
I'm 12 and my birthday is February 8. I am five feet, two and have brown eyes and blonde hair. I have three sisters. My hobby is playing the piano. Would like to hear from boys and girls between 11 and 14.—Carol Sue Iffert, R. R. 1, Dundas, Ill.

**WRITES STORIES**  
I'm 13 and weigh 111 and I'm five feet, three. I have brown hair and brown eyes and I like to read and write stories. I also like to sing and go swimming. Would like to hear from boys and girls of all ages.—Ellen Rigg, Mt. Sterling, Ill.

**COOKING AND SEWING**  
I'm nine with a birthday August 31. Have dark brown hair and blue eyes and my hobbies are cooking and sewing and watching T.V. Would like to hear from boys and girls between seven and 10.—Mary Joyce Laur, R. R. 1, Scheller, Ill.

**ENJOYS COMICS**  
I enjoy comics, watching TV and playing. I'm nine and have brown hair and brown eyes. My birthday is November 10.—Connie Sue Green, R. R. 1, Waltonville, Ill.

**PLAYS ACCORDION**  
I'm 14 and my birthday is May 3. I have blonde hair and blue eyes and my hobbies are playing the piano and accordion. I also play baseball. Would like to hear from boys and girls between 13 and 16.—Elizabeth Walker, Box 265, Golconda, Ill.

**SIXTH GRADER**  
I'm 10 with a September 28 birthday. Have green eyes and blonde hair and my hobby is listening to the radio. Would like to hear from boys and girls between eight and 11.—Margaret Lyharger, Box 98, R. R. 1, Edgewood, Ill.

**NORMAL CENTRAL SCHOOL**  
I go to Normal Central School and I'm in the seventh grade. I have brown hair and blue eyes and my hobbies are horseback riding and playing softball. I'm 13 and my birthday is February 25.—Sandra Edwards, R. R. 4, Bloomington, Ill.

**NEW HEBRON SCHOOL**  
I'm in the fourth grade at New Hebron School. My birthday is November 7 and I'm nine. Would like to hear from Pen Pals between eight and 12.—Diana Sue Smith, R. R. 4, Robinson, Ill.

**ROLLER SKATING**  
Have blonde hair, blue eyes, I'm 13 and my birthday is April 18. Do I have a twin? My hobbies are roller skating, swimming and writing letters. Would like to hear from boys and girls of all ages.—Barbara Franklin, Route 2, Ullin, Ill.

**COLLECTS RECIPES**  
I am 13, have brown hair and brown eyes. I live on a farm and have cows and chicks. I have two hobbies—collecting recipes and Pen Pals. Would like to hear from boys and girls between 10 and 15.—Barbara French, R. R. 1, Oconee, Ill.

**4-H CLUB MEMBER**  
I'm 15 and my birthday is June 4. I'm a freshman at Mt. Vernon Township High School and I belong to the Texico Top-Notchers and Centerfield Ramblers 4-H Clubs. My hobbies are sports and playing or listening to hillbilly and popular music. Would like to hear from boys and girls around my age.—Janet Harmon, R. R. 6, Mt. Vernon, Ill.

**HIGH SCHOOL FRESHMAN**  
I'm a freshman at Pinckneyville Community High School and my hobbies are sewing and bike riding. I'm 14 and my birthday is May 7. I have blue eyes and brown hair. Would like to hear from boys and girls between 13 and 16.—Rosemary Hagene, R. R. 2, Pinckneyville, Ill.

**ENJOYS MUSIC**  
My name is Margaret, but most of my friends call be Shorty. I'm five feet, two, have light brown hair and dark brown eyes. I like any kind of music. I'm 15 and my birthday is March 28. Would like to hear from boys and girls between 15 and 19.—Margaret Irene Kind, Route 1, Makanda, Ill.



## News From ILLINOIS VALLEY Electric Co-op

Princeton  
F. I. Ruble, Manager



The new year offers much encouragement to members of our cooperative through the necessary improvements that have been made in the rephasing and revising of distribution lines in Henry, Bureau and Stark Counties, in the past three months.

The continued program in this work as planned for in La-Salle, Knox, and Henry Counties on recommendation of Manager Ruble provides a safeguard to give our membership the needed extra power to handle their expansion program to use more electricity.



F. I. Ruble

It has required careful study to analyze the increased use of power and provide additional facilities where needed. This rebuilding rephasing and tie-in lines will be completed this year to meet the increased use of electricity by the membership.

The cooperation of members and others to permit the cutting and trimming of trees has aided your cooperative to provide better service and less outages. The Illinois Power Company, our power supplier, has also initiated a building program which has aided in our ability to provide better service to your farms.

Tests over the entire system indicate there are no low voltage conditions except in a few isolated places and often an investigation reveals the trouble is at the member's own premises. The management of your cooperative takes pride in trying to anticipate the demands made by the membership and strives to meet them.

### CONSTRUCTION WORK

When this issue of your Illinois Rural Electric News reaches your home, the re-conversion work in Bureau, Stark, and Henry counties will have been practically completed. The contractor has moved rapidly to complete this work and was favored with exceptionally good weather, although the temperature was well below freezing. Snow and bad weather held off so that the necessary work could be carried on.

The members in the area where this work was being done cooperated and seemed to understand that interruptions were not caused except as a safety measure for those working on the lines. There was no intention to cause needless interruptions.

The response of our membership in mailing "Thank You" cards for a job well done, to our maintenance personnel, was quite gratifying. Cards came from all parts of the system and indicated that the work our men did to maintain service to your premises was really appreciated.

It's just one of those unwritten services which are accepted, recognized with no comment, but it makes a fellow feel doubly appreciative when a note or card comes through telling him. Thanks very much to each of you who remembered our boys with a note.

### 4-H CLUB CONGRESS

Several representatives of your cooperative attended the 4-H Club Congress, held at the Conrad Hilton Hotel in Chicago. While the Congress was held November 26-December 2, our group was only present for the 4-H Club dinner sponsored by the Westinghouse Electric Corporation for state and national winners of the electricity award, held the evening of November 29. The group also remained for the Power Suppliers Conference held the following day.

The National 4-H Club electric program has as its objective "To awaken in members a keen interest in electrical methods and equipment, and to help develop skills in using electricity effectively on the farm and in the home. It emphasizes the fact that its use saves labor and raises standard of living."

One hundred and fifty representatives of

Your Cooperative Office Address is 430 S. Main Street, Princeton, Telephone 3-1331.

Office hours—8:00 a.m. to 5:00 p.m. Monday through Friday, closed all day Saturday.

TO REPORT OUTAGES AFTER HOURS—Princeton Area: Milford Jontz, Line Supt. Telephone Princeton 2-2072 or Floyd Christiansen Maintenance Foreman Telephone Princeton 2-6302; Stanley Ballard, Maintenance Lineman Telephone Princeton 3-0121 Leonard Siford, Phone 3-3753, Princeton.

TO REPORT OUTAGES AT ALL TIMES IN—Galva Area—Lester Register, Maintenance, Telephone Galva 504-J

Ottawa Area: Jack Lewis, Maintenance, Telephone Ottawa 2987-R-3 Farrel Brooks Phone 2423-L, Ottawa

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

power suppliers, attended the conference to hear private utility and rural electric cooperatives personnel tell of the work they were doing with 4-H Clubs in their areas. These individual speakers presented important facts to promote the program, and the panel presentations were exceptionally good.

Those attending the conference included Co-op President and Mrs. Upton Craig; Directors Mrs. Eileen Slingsby, and Mrs. Edith Kays; and Mr. and Mrs. Fred E. Darr.

\* \* \*

Manager F. I. Ruble attended a three-day session November 28-30, held at the Chase Hotel, St. Louis. Over 500 representatives of rural electric cooperatives, manufacturers and commercial utilities met for the second annual Inter-Industry Power Use Workshop. In roundtable work shop sessions, delegates shared experiences and attacked problems on equipment sales, adequate wiring, water systems and the servicing of equipment.

Your cooperative has co-sponsored two successful portable appliance demonstrations with the cooperation of the Westinghouse Electric Supply Company, Peoria, and cooperating dealers. On October 26, 82 women attended the opening session of the Women's Adult Class, conducted by the Home Economic Department of the Kewanee High School, Kewanee. Miss Barbara Carlson, home economist, for Westinghouse presented an informative and interesting program on portable appliances. On December 7, Miss Carlson presented a similar program before 162 persons who met at the Malden High School, that evening.

## News From SOUTHERN ILL. Electric Co-op

Dongola  
R. T. Reeves, Manager



Office Hours—7:00 a.m. to 4:00 p.m. Monday through Friday, also the first two Saturdays of each month. Outage reports during office hours should be made to Dongola 79-R-3, after office hours to Dongola 39-R-20 or 74-R-30. Members in Metropolis area call Metropolis 3100 or Tom Willis, Round Knob Exchange.



R. T. Reeves

A well-lighted farm yard brings you important benefits. It can increase general farm efficiency and production by helping you do more work—more efficiently. It can help prevent accidents, fires and theft. In doing so, it not only can save you money but also can add greatly to your family's comfort and enjoyment.

Good yard lighting is low in cost. It more than pays its way. It helps get the early morning and after dark chores done better and faster. Besides that, odd jobs that ordinarily

would use up valuable daytime hours can be done at night under a yard light.

Yard lighting helps prevent accidents, too. There's less danger of falls and in-

## News From EASTERN ILL. Power Co-op

Paxton  
T. M. Brady, Manager



Dear Member: How would your children look in glasses? No, we're not trying to sell you eyeglasses, instead, we'd like to show you one way of avoiding the necessity.

With the youngsters in school and lots of home-work for them to do in the evenings, it's only sensible to give them a well-lighted study area. Better vision is no accident—it requires lighting without glare. Poor lighting, you know, means eyestrain and possible headaches, dizziness, emotionally



T. M. Brady

upset stomachs and nervous tension. Aside from better vision, there are many advantages proper lighting can bring. Planned lighting can add more beauty and greater safety to your home. Even the most expensively and tastefully decorated room loses out if improperly lighted.

### LIGHTING FACTS

It doesn't make any difference whether light comes over your right or left shoulder when reading. For writing or sewing, however, the light should be at the left for a right-handed person and at the right for a left-handed person. This will avoid creating a shadow with the hand that's writing.

A 100 watt bulb gives nearly 1½ times as much light as a 75 watt, almost twice as much as a 60 watt, 2½ times as much as a 50 watt, and 3½ times as much as a 40 watt. It's false economy to skimp on light.

Unlike the more familiar filament bulbs, the life of fluorescent lamps is shortened by turning them on and off unnecessarily. Keep the fluorescent lamps on if you are going to leave the room for a short time. The savings in cost of tubes will more than compensate for the electricity used.

### TV LIGHTING

If you want your family and friends to enjoy comfortable television viewing, don't keep them in the dark. Because television is much brighter than a movie screen, you need more light in your living room than in a motion picture theater. For most comfortable viewing, turn floor and table lamps on the medium level (about 100 watts) and place them so that they are not reflected in the television screen.

Don't blame Dad when he falls asleep over his evening newspaper. Perhaps the

### TELEPHONE NUMBERS FOR OUTAGE CALLS

Office—8 a.m. to 5 p.m. except Saturday. Report all outage calls during office hours to 185 Paxton. After office hours, call the following nearest number:

Tony Barbieur, Paxton 595  
Kenneth Slater, Paxton 576  
Arthur J. King, Paxton 271-J-X  
Donald Sharp, Paxton 740  
Jesse Fiets, Gilman 159  
Evan Petersen, Gilman 235W  
Don Allison, Hoopeston 462  
Dennis Rhodes, Hoopeston 1244  
John Dorsey, Cropsey 56  
George Popejoy, Cropsey 53R2  
Virgil Farris, Watseka 1227  
Howard Gustafson, Watseka 614

In case of an outage, check to see if your neighbors have service. If not call collect 185 Paxton. 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.

lamp by his favorite easy chair gives him so little light that he can't see to read comfortably and easily.

Homework goes faster with good lighting. There's no need for the student to strain to see when he works at a light conditioned study desk.

### HOME WIRING

More and more rural homes are faced each year with the annoying experience of having the lights in the house or barn go dim when the pump goes on, or when the refrigerator starts.

It is estimated that the electric wiring in 80 per cent of American homes is overloaded. That periodic dimming in your home is a danger signal that you had better check into your wiring.

When you had that wiring job done, you probably told the electrician you would be using 150 to 200 kilowatt hours of power each month. Average electric consumption among co-op members has almost doubled that figure already.

New appliances and equipment are taxing your circuits. Wiring that is too small, or too few circuits can mean trouble and a higher power bill.

Inadequate wiring is inviting trouble, possibly a fire. Meanwhile, you are putting up with poorer service and higher power bills.

If your home has the flickers, now is the time to call in an electrician to put things right.

### JOB WELL DONE

Whenever you've done a good job, don't you feel a great deal of pride and satisfaction? Of course you do. And that's the way our member-consumers feel about their rural electric system. When others said it wasn't economically practical to bring electricity into rural areas, America's farmers made up their minds to do something about it themselves. That was 20 years ago. And today over a 1,000 rural electric systems across the country are proof that those farmers were right. Each day these systems are making possible improved standards of living and higher quality food and fiber for people throughout the nation. Like successful businesses everywhere, your cooperative pays its way in taxes too, while providing service at cost to its members.

The directors and employees of your cooperative wish all of you a very Happy and Prosperous New Year.

It's sensible to spend plenty of time deciding on the best locations for your outdoor lights. Be sure you have enough lights for all areas that need them. Avoid locating lights near trees, which will shade large areas from illumination. Be sure to include weatherproof outdoor convenience outlets in several locations around your yard. You'll need them for plugging in portable extension lights and electrical equipment when you make repairs and do other types of work outdoors.

Most of your permanent yard lights will be for the purpose of general illumination. They should light up your regular chore-paths so you can move safely from one building to another.



# News From CLINTON CO. Electric Co-op

Breese  
Joseph Heimann, Manager



### TELEPHONE NUMBERS

From 8 a. m. to 5 p. m., Monday through Friday call Breese, Lambert 6-1631. To report line outages or any other emergencies before or after office hours, call:  
Ernest Becker, Breese, Lambert 6-1754.  
Robert W. Vander Pluym, Breese, Lambert 6-1278.  
Robert Hintz, Shattuck, 2423.  
Joseph Huelsmann, New Baden, Justin 88-3262.  
Before reporting a line outage, check with your neighbor first, if he doesn't have service report as a line outage.

A special bargain is now being offered to all co-op members on your next purchase of light bulbs. You can save 23 cents by buying light bulbs by the bag. The plastic freezer bag contains four, 100 watt bulbs and one, 150 watt bulb, and will sell for just \$1.



J. Heimann

This is a convenient way of buying bulbs and also insures you of top quality bulb. You can buy the bag of bulbs at the co-op office in Breese or at any of the following appliance or equipment dealers.  
Gross Hardware Store and Zieren's Furniture Store in Carlyle; A. A. Holtgrave and Meissner Brothers in Breese, and the Ranz Tractor and Equipment Co. in Trenton.

A pamphlet on adequate lighting in the home will also be included in each bag. Take advantage of this money-saving offer today, and purchase a couple of these kits now while the supply is still plentiful. Replace those dim bulbs with larger bulbs and notice the difference it makes in the home, especially when reading.

Replacing those small bulbs with larger ones will only add a few pennies a month to your present light bill. In fact, 95 per cent of the people who do this don't even notice it on their monthly bill. We only have two eyes and they have to last us all our lives, so let's take real good care of them and not ruin them because of such a small thing as inadequate lighting.

As an example of cost, a 100 watt bulb will burn 10 hours and only use one kilowatt-hour of electricity. Can you afford to ruin your eyes for that small amount?

### HAPPY NEW YEAR

The Board of Directors, manager and employees of the co-op want to take this opportunity to wish each and everyone of you a very happy and prosperous New Year.

The cooperative had another very successful year and attributes all of this success to the wonderful cooperation you have given through the past years. With continued cooperation from all the members, we as a cooperative will continue to be a success. We should also remember that only through patronizing our own business and using electricity as the only source of fuel, will we be able to keep on the black side of the book. Money spent outside of your own organization will not help your cooperative. Electricity is still your best buy. It's the cheapest and safest of fuels on the market today. Be modern and go all-electric.

All new electric ranges, two-element water heaters and clothes dryers will be installed free for any co-op member upon request. This offer is for a limited time only. Don't wait, buy that new range, water heater or clothes dryer now and save on the installation. Your appliance dealer or office employees will be glad to give you more details on this installation if you're interested.

### RATE BOOK

Your new meter books will be sent to you during the first part of January. Instead of reading your meter as you have in the past with the last number always an even number, you will read it with your last number always shown as a zero. Your rate schedule in the front of the book is

set up in this manner.

Remember, no matter what your last number might be, 1-2-3-4-5-6-7-8 or 9, always show it as a 0 in your meter book. As an example, if your meter reads 5967, show it in the book as 5970, or if it reads 5963 show it as 5960. This is very simple and should be done every month so as to avoid a possible mistake in the amount of money due the co-op for electric service.

You might also check the front cover of your rate book on the rate you are now receiving. If your book shows Schedule A—Farm and Home rate, you are receiving a rate given those members who do not have a two-element water heater. All members who have a two-element water heater are entitled to a special rate. The cover of this book is a deep yellow color and shows the schedule as WH-Controlled and Water Heater Service. Check your new books for this schedule as soon as you receive them in the mail.

### NEW APPLIANCES

Range, Floyd Prater, Alvin Twenhafel; Television, George Saathoff, Charles Cain, Adolph Gossett, Alfred Kleiboeker; Sweeper, Adolph Gossett, Graydon Ulrey; Home freezer, Gus Hemminghaus, Vernon Lippert, Alfred Kleiboeker.

### OPERATING REPORT

Miles energized	745
Connected members	2155
Average bill per farm	\$10
Average Kwh. per farm	384
Average Kwh. per connected member	405

# News From WESTERN ILL. Electric Co-op

Carthage  
Lee Leonard, Manager



We wish to extend a New Year's greeting to all our members hoping that next year will be an even more enjoyable year than the one just past. We have enjoyed wonderful cooperation from you, our members, for which we are thankful.



Lee Leonard

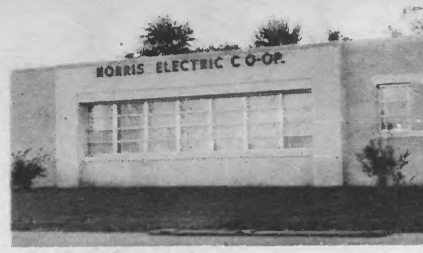
Each year a number of our members move to different locations. If you are going to move, the following suggestions will help your co-op to maintain a current list of members receiving service and

correct addresses:

1. We would like to know the meter reading as of the date you move.
2. We would like to know your new address so we can send your final bill to you, and also whether you will be receiving service from this co-op at your new address.
3. If you know, we would like to know the name of the person moving into the place where you are moving out, and if you can give us information ahead of time, we would like to know his present address so we may contact him if necessary.
4. If the person moving to another place has not contacted the co-op, we would appreciate your advising him to do so immediately, otherwise we may have to make an unnecessary trip to disconnect the service.
5. If you are moving to another place served by this co-op we would like also to have the meter reading at your new location as of the date you move in, and, if possible, send us the name of the person that moved out of that place. Any information you can give us about

# News From NORRIS Electric Co-op

Newton  
Damon Williams, Manager



### OUTAGE CALLS

Office hours: 8 a. m. to 5 p. m., Monday through Friday. Closed on Saturday. Telephone 404—Newton.  
To report an outage after Office Hours call Mrs. Wilma Bever, Newton; Joe Ware, John Tabb, or Gene French, at Newton; Francis Smith at Claremont, or Freiland Swarens at Lawrenceville.

As we enter a new year we have a feeling of deep appreciation for the fine cooperation we have had from our members and consumers throughout 1955. As in previous years our tree cutting and trimming crews undoubtedly were actually helped most.

Many farmers used their tractors to help with the removal of trees that were cut down. Many did all the work of clearing up the trees and burning the brush. This speeded up the work and helped a great deal in keeping costs down.

During the past two and one-half years, trees have been topped and trimmed along our entire system of more than 3,200 miles of power lines. Without the cooperation of our members this would not have been possible. We have only one crew of four men who work full time at trimming and cutting trees.

Most of the brush that grows up under the line is kept under control by spraying.



Damon Williams

We have two crews of two men each for spraying. In the summer, when the leaves are on, the foliage spray method is used. During the rest of the year spraying continues, but the basal spray method must be used. More than 500 miles of line were covered by our spray crews during the past year.

### ADEQUATE WIRING

Have you heard about the inspector who, while inspecting a very rough looking wiring job, remarked, "I trust you have ample fire insurance and have lived good clean lives?"

Now we don't like to frighten people by such remarks, but we sometimes do see wiring that has been added in a "do-it-yourself" sort of way that looks pretty bad. We are glad that there are comparatively few of our members who have this type of wiring in their homes.

When you begin having trouble with some of your appliances, it may be because your old wiring cannot adequately carry the load placed upon it. You need more and heavier circuits over which the electricity can travel to operate your appliances efficiently. Unless you know your wiring system and power requirements, it is better to have an electrician check it and make the necessary changes.

Overloaded circuits are indicated by dim or blinking lights; motors that are sluggish in starting, low in power, run slowly and get too hot; heating equipment that will not get hot enough to perform the job quickly; blown fuses, tripped breakers, heating of wires and even damaged insulation.

Our linemen make regular voltage and amperage checks on our power distribution system. Our engineer uses these figures to determine when and where the next substation and heavy feeder lines must be built in order to continue the delivery of electric energy to your meter at full voltage. At that point your own wiring system must take over and deliver it to the point of use. No matter how much current is available at your meter, it cannot be of maximum use if choked off by a small and inadequate wire before reaching your appliances.

With all the electrical appliances that are now beginning to be considered as home necessities, it is false economy to consider anything smaller than 100-ampere service equipment when building a new home or remodeling an old one.

Some of the electricians in our area have been recognizing this growing need for heavier service equipment for some time. Those who still think that 60-ampere equipment will handle anything in the present day usages of electricity are lagging behind the times.

Don't be misled into believing that you are saving something if you can "get by" with a cheaper wiring job. Remember that adequate wiring pays for itself many times over in cold, hard cash.

very proud of Barbara and love to hear her sing.

Board President Robert Wagner and several of the directors made short talks. Santa Claus was able to pay us a visit to pass out small gifts to each of the children present.

### ELECTRIC BROODING

Electric brooding of pigs, lambs and chicks, is becoming more and more popular every year. Heat lamps are very low in cost and economical to operate. Pigs, lambs and chicks brooded with infrared heat, mature faster than those brooded in other ways.

When using one to five heat lamps a 110 volt circuit will be sufficient. However if you are using over five heat lamps, we recommend the use of a 220 volt circuit which will enable you to balance the load making the operation more efficient. If you would like assistance in planning your infrared brooders contact your co-op office.

Office Hours—8 a. m. to 5 p. m. through Friday; 8 a. m. to 12 p. m. on Saturday. Telephone 84—Carthage.

In case of interrupted service, outside of regular office hours, call one of the following numbers:  
Lee Leonard, Carthage, 560.  
Clarence Hutchins, Carthage, Black 495.

Luther Bennett, Carthage, Black 416.  
Roger Goetz, Carthage, Red 360.

your moving will be greatly appreciated, because we do not have the personal contact with you and rely on your giving us the information we need.

### CHRISTMAS PARTY

The Board of Directors, employees and their families, of the Western Illinois Electric Co-op held their third annual Christmas dinner party, Tuesday evening, December 6, in the Masonic Temple at Carthage. The delicious dinner was served by the White Shrine.

Manager Lee Leonard introduced the new members of the Co-op family who were not with the organization at the last gathering of the group. These included: Mr. and Mrs. Royal Brandon and their son, Royal, Jr.; Mr. and Mrs. Dean Baldwin and their two children, Judy and Bobby, and Fred Buckert. Mrs. Brandon is our new billing clerk; Dean Baldwin is our new book-keeper and Fred Buckert is the new husband of our stenographer, the former Ruth McBride.

The manager introduced the guests who were present. They were: Mrs. Mary Marvel, former office manager of the co-op; Mr. and Mrs. Dale Gordon, their daughter Barbara, and Judy Quivey. Barbara was the winner of the talent contest held at our annual meeting and of the state contest held in Springfield in September. She sang two songs which were enjoyed by everyone. She was very ably accompanied by Judy Quivey on the piano. We are all

# News From CLAY COUNTY Electric Co-op

Flora  
Elmo A. Cates, Manager



Here is wishing all of you a Happy and Prosperous 1956.

\* \* \*

We know that a number of you made Christmas a White Christmas by getting your family a major electrical appliance and that others got a number of smaller appliances. We are certainly glad that this is so as each added appliance means better living for the whole family.



Elmo Cates

We would like to remind you though, that most of our houses were wired for lights and a few of

the smaller appliances and not to carry all the load now installed. So now would be a good time to have someone check the wiring to see if it is adequate for the next few years. If it isn't, in most cases, it would not take a rewiring job but just remodeling.

The present circuits, if not overloaded too long, are probably okay for their original intent and with a new entrance switch and some additional circuits you can have a good wiring job again.

### CHICK BROODING

It is the time of year for brooding chicks again and the most satisfactory way is with electricity. There are three ways to use electricity in brooding chicks. First, there

**TELEPHONE NUMBERS**  
Office — (8 a.m. to 12 noon, 1 p.m. to 5 p.m.), 78R  
Homes—(Night or Sunday)  
E. A. Cates, Flora 389-J.  
James Erwin, Flora 312-J.

are the heat lamps. These are easiest to install. They do a good job but may be expensive to operate. Second, is the hover, with the elements built in over the chicks. The temperature is controlled in these so they are very satisfactory to use but more expensive to start with. The third method is to use heat cable under a small platform, controlled by a thermostat. This is probably the most economical to install and operate.

Now would be a good time to cut the dead brush along your farm. Part of this brush has been sprayed by your cooperative and part of it has been sprayed by the highway department.

We believe it would make your farm much more attractive if you removed it. We have noticed quite a number of farms where this has been done and they really look nice.

### THANKS

Our maintenance men and myself wish to give special thanks to Mrs. Orville Fancher, who called about an outage the night it was sleeting. When the lights came right back on, she called back at once to let us know and we did not have to make a trip to her place.

# News From M. J. M. Co-op

Carlinville  
A. C. Barnes, Manager



Last month's issue of "The News" told the story of your annual meeting in November. We were pleased to see the large crowd despite the disagreeable weather on the day previous. It has always been somewhat of a task to arrange the annual meeting so that it will be varied from previous years and yet provide something that the members will find instructive and entertaining enough to make them want to have a part in their cooperative annual meeting. Therefore, at the close of the meeting the membership was asked to express their views on the type of meeting, the time to hold the meeting and what kind of a program they wanted. We were pleased to have so many comments on the meeting and we publish below the comments which we consider "The Voice of the Members", in regard to their meeting:



A. C. Barnes

"We enjoyed the M.J.M. meeting and the nice lunch very much. It was my husband's birthday and the first time we received a gift."

\* \* \*

"At the last meeting of M.J.M. you asked for some opinions of the meeting. We enjoyed it very much. I think that the type of programs that you have been having are very good. We thought that the lunch was good and was handled very well and fast. We liked the singing and the talks. It seems that most of the people that I talked to seem to like that type of program. The program was over in plenty

time for members to get home in time to get their work done."

"I did enjoy your annual meeting very much. The singing and speaker were very good. Your sack lunch was wonderful for such a large crowd and it was just as good."

"Our family thinks you are doing a fine job of entertaining us at the annual meetings. We think the talk by the police sergeant was timely and helpful. We liked the quartet even though we've heard them before. Laughs are good for everyone."

"Sorry it turned out that it was impossible for us to attend the annual meeting, but know from past years it was a good meeting enjoyed by all. Many thanks for all the fine cooperation we have received from M.J.M."

"We would like to say thanks for the G.E. alarm clock that we received at the meeting Saturday. We enjoyed the day very much. We didn't care for the philosopher from Oklahoma, but thought the rest of the day was perfect. We liked the speaker you had last year."

"Thanks so much for the nice meeting. We preferred the speakers you had the last two years. The music you had Saturday can't be beat. The food was good and the service was fine for such a crowd. We would like for you folks to know how much we appreciate Charles Witt and his helpers, we have had wonderful service. He is always so pleasant. Thanks so much for everything."

"We want you to know how much we enjoyed the annual meeting last Saturday. The program was very good, the American

# News From TRI-COUNTY Electric Co-op

Mt. Vernon  
H. G. Downey, Manager



**TELEPHONE NUMBERS TO USE  
IN CASE OF OUTAGES**

Jefferson County  
Office—Mt. Vernon 1451-1452  
If no answer call—LeRoy Reu, Mt. Vernon—5446  
If no answer call—Francis Wittenbrink, Mt. Vernon—5418  
Marion County  
Office—Salem 74  
If no answer call—Robert Worley, Odin 722  
If no answer call—Paul Poole, Odin—567  
Washington County  
Call Charlie Swain—Nashville 7-8494  
If no answer call—Amos Weeke, Nashville—7-3772

Dear consumer: Since April 1, 1954, your cooperative has had in effect an electric appliance promotional program, wherein you were given free electricity if you installed, and were a new user of, an electric range, water heater or clothes dryer.



H. G. Downey

The program has now been in effect for 22 months and many consumers have taken advantage of this splendid offer.

At the December, 1955, board meeting, the cooperative's directors voted to discontinue this promotional program, effective January 31, 1956.

The reason this plan has been discontinued is because confusion has arisen in

determining who was eligible to receive the free kilowatts. In order that all consumers are treated alike the Board of Directors felt that it was best to discontinue the plan as soon as possible.

However, they did go on record to state that the electric appliance promotional program will be reactivated from time to time for specific periods. All consumers will be notified well in advance of any new appliance promotional plan that your cooperative will offer.

So keep this in mind—present plan to be discontinued January 31, 1956.

Read your Rural Electric News article and the Tri-County Hi-Lites to be informed of any new promotional free kilowatts plan that will be offered.

### METER BOOKS

The office personnel has started to assemble your 1956 meter book. You will assist us very much if you will wait until your January 20 bill is due to begin asking for them. As our plans now stand, we anticipate having all meter books in the mail on January 15, so this will be ample time for the new book to get to your house between January 20 and January 31, the period when your bill is due and payable. We thank you for your cooperation.

\* \* \*

Your December 20 bill is now due and payable.

\* \* \*

All the gang at Tri-County Electric Co-operative wishes all its consumers a very Happy and Prosperous New Year.

Quartet was wonderful and we believe that their songs were liked so much because they were not the 'jazz' or 'jive' type. The lunch was fine and served so efficiently. Carlinville has a beautiful building both inside and out and the large crowd had plenty of room. Please do not change our meeting to the Caravan which always comes when the weather is so hot. We want to thank you for the very delightful time also for the electric desk clock which we received."

"I am writing to thank you for the nice electric knife sharpener we received at the meeting last Saturday. It was the first time we have ever been able to attend the M.J.M. meetings. We enjoyed it very much and hope to be able to attend again. Thanks again for everything you did to show us a pleasant day."

"We wish to thank you for the clock. Enjoyed the meeting very much, the good lunch and splendid entertainment. You are to be commended on the excellent talent you bring to your patrons."

"We attended your M.J.M. annual meeting for the second time and you asked for comments. We enjoyed them both immensely. The All-American Quartet was just wonderful, and the speakers were good. However, we thought last year's speakers were a little better, but please keep it on the humorous side. There was not a boresome minute and the day passed so fast. The organ music was beautiful and lunch was perfect. So, all in all, we felt you had a wonderful meeting. We are looking forward to next year and appreciate the good service you render."

"Just want to tell you the 17th annual meeting was a real success. I enjoyed the speaker a lot, but I believe I liked the one last year the best."

"In August we visited in Southeastern Missouri a relative who is president of a three-county electric cooperative and he gave us fits for not having attended our annual meetings. I resolved to do this every year, though it seemed unnecessary when I trust you all to do things right. Today was it and you gave us a pleasant day. The program was varied enough to please everyone in some way and it all clicked

### TELEPHONE NUMBERS FOR OUTAGE CALLS

Office Hours—8:00 a. m. to 5:00 p. m. except Saturday and Sunday, holidays. Carlinville 136.  
Aerio Balestri, Hillsboro KE 2-3357  
Claude McAfee, Brighton 40.  
Charles W. Witt, 803 Sumner St., Jerseyville 296-W.  
B. W. Bandy, 830 School St., Hillsboro KE 2-5247  
Delmar Miller, Nichols St., Carlinville 669-Y.  
Howard Bloomfield, Carlinville 153-L.  
Lloyd Green, Jerseyville, 839-W.  
James Hopper, Carlinville 321-X.  
Ralph Sides, Carlinville 687-X.  
Preston E. Barkley, Carlinville 687-L.  
If lineman does not answer and for any other business aside from trouble, call A. C. Barnes, Carlinville 718.  
**KEEP THIS LIST NEAR YOUR TELEPHONE. CHECK with your neighbors to see if their lights are out before calling. Then report the line outage.**  
**COOPERATION INSURES  
BETTER SERVICE**

along in commendable order."

"You asked us to come home, then write and tell you about your program. I feel they are hard to beat as now arranged. That talk of Officer Zimmerman was worth the trip. The rest of the program was just as good, especially the singers. Truly, though, I liked the 1954 Oklahoma speaker better. Seems this program is well rounded and some part should please each one there. Thanks for an enjoyable day."

"Just a note to say thanks so much for the lovely waffle iron I received at the M.J.M. meeting. The program was fine. We enjoyed the quartet so much and the speaker kept one going all the time. Again thanks so much for a nice day."

"I wish to thank you for the electric clock which I received at the annual meeting November 19. I think the meeting was a good one. I especially enjoyed the singing of the All-American Quartet and the music by the organist. I think the type entertainment was varied enough to suit most everyone."

### LETTERS FROM MEMBERS

"Dear sir: Thank you very much for your fine service you have rendered the farm while I have occupied the same. My business has been very pleasantly carried on through your office."—Bessie M. Bechtel, Hillsboro.

# Clinton Electric Has Repaid 54% of REA Loan Obligations

Clinton Electric Cooperative of Breese has repaid 54 per cent of the money it has borrowed from REA to build rural electric lines. This was revealed by President Vince Albers at the co-op's annual meeting, November 3, held in the Breese high school auditorium.

"We're a big business now," Albers pointed out. "At one time we were told that farmers had no reason to run their own electric system, and that we couldn't make a success of it. The co-op's assets of \$1 $\frac{1}{4}$  million show how well we've done."

"I think it makes good sense for us farmers to be in the electric business. Further, we ought to manufacture our own electricity, not just distribute that which we buy from power companies. In that way we would have control over the "raw material" which would make our business more stable, he said.

Albers stressed that those who criticize cooperatives are people "who are only interested in making a profit from you."

Manager Joseph Heimann, in his report, told the capacity crowd that the cooperative is still expanding in

order to provide members with the best possible service. He said that lines are being rebuilt to carry heavier loads which the ever-increasing use of electricity by members is causing. He urged members to follow the co-op's example in "bringing their wiring systems up-to-date."

The manager said that funds are being set aside to guarantee that there will be enough money to replace worn-out lines and equipment when this becomes necessary.

Highlight of the program was a talent contest in which 18 local contestants competed. First place went to Patsy and Diana Keister, dancers, of Shattuc; Johnny Trout of Carlyle, won second prize for his imitation of Johnny Ray, and Bernice Kozuszek of Shattuc, won third prize for her accordion solo.

Another feature of the program was a cooking demonstration showing the superiority of electricity over bottled gas.

Re-elected to three-years to the board of directors were: Vince Albers, Bartelso; Fred Freund, Carlyle, and Herman Korte, Germantown.

## For Better Tele-Viewing

(Continued from Page 3)

needed medical attention. It is not that the eyes are damaged by television viewing, but put into prolonged use to observe fine detail, corrective measures may need to be made to continue tele-viewing in comfort."

8. Look at television normally: It is not a good idea to wear sunglasses. The lighting in the room is properly balanced, the difference between screen brightness and room background will be comfortable without light-absorbing glasses.

9. Have your set checked periodically: A flickering pattern and a dull picture give your eyes extra work. If you have to view the screen in a darkened room to receive a good picture, have the set adjusted. Viewing a properly adjusted set under the conditions previously discussed should be pleasant, comfortable entertainment without resulting in eyestrain.

## Winter Watering

(Continued from Page 8)

Long keeps 28 sows and about 276 shoats in the lot. "They'll water themselves now, while I do other chores."

Bob DeSilva, who lives north of Carlinville, finds that his automatic stock waterer saves him the need of a hired-hand. DeSilva travels a lot in winter, and he used to have to hire someone to see that the hogs got plenty of water.

But, after he installed the waterer, he found that he could leave, and the hogs had plenty of water, when-

ever they wanted it. "It was the best piece of equipment I found."

These five farmers can now look forward to winter without any misgivings about the stock water freezing. But, they also know, that electricity is making this waterer possible. They are all members of the M.J.M. Electric Cooperative of Carlinville.

## Better Bargains

(Continued from Page 2)

with fair-traded merchandise have dropped name brands and switched to off-brand merchandise. Thus, the consumer loses name brand protection for whatever it was worth.

Tradition is strong in the American economy and the idea of free competition has a firm hold in the minds of people. Fair trade runs counter to this principle and when openly debated is not supported by the public. Most of the legislation on this subject has been the result of pressures from well-organized groups.

The economic facts of life stand against the fair trade laws. The consumer benefits most from open competition. In a boom market, when there is plenty of money, the laws do not stand up. Only in a depressed economy can such trade control hold up.

During the present period of shift away from seller-promoted price-control legislation, the consumers tend to gain. They get bargains during this period of intensive retail battling.

# RURAL EXCHANGE

Reaching Over 400,000 Rural People Each Month

### ● Auction Schools

LEARN AUCTIONEERING, term soon. Free catalog. Reisch Auction School, Mason City 8, Iowa.

### ● Business Opportunities

\$35 WEEKLY addressing envelopes; instructions \$1.00. Refundable. Adservice, Spring Valley, 39EA, New York.

EARN WHILE you learn auto and diesel mechanics. Master this top paying trade. Many graduates earn \$100 a week and up. Approved for Korean veterans. For free information write Dept. No. 264, Nashville Auto-Diesel College, Nashville 3, Tennessee.

MINK, ALMOST All Types. Unconditionally guaranteed. Complete literature and pen plans free. Lake Superior Mink Farm, Superior, E. E., Wisconsin.

MEN, WOMEN, Boys, Girls! Spend 75c—take in \$25.00. Send no money. Address Fred Hoffman, 2471 Yeager Street, Port Huron, Michigan.

CASH FROM Sawdust (seventy methods). Tin-cans (thirty methods). Newspapers (eighteen methods). Instructions 50c each. All three \$1.00. Charles Company, 12-MXR, Norwood, Ohio.

NEIGHBORHOOD GROCERY and Ice Cream Store doing good business. Located in Paxton, Illinois. A. N. Peterson, Realtor, Phone 150, Paxton, Illinois.

MAKE FIGURINES: Repair Dolls; Make Rubber Stamps; Resilver Mirrors; Rebuild Batteries, Buy Wholesale—sell others. "60 Money making ideas" Free. Universal, Box 1076-RE, Peoria, Illinois.

300 WAYS FOR women to earn money at home, select your work, choose your hours, How to start, What to do, How to do it. This amazing book will show you how. Satisfaction guaranteed, \$1.00 postpaid. Fisher Sales, Lexington, Ohio.

MUSHROOM GROWING Simplified. Spawn ("seed"), instructions \$1.00 ppd. Prepared trays, grow when watered, 3 for \$4.00 (Express charges collect) Free circular. Luxor-REN, 641 South 19th, Newark 3, New Jersey.

\$5,199.90 WAS PAID to John Betts, in few weeks. Grow Mushrooms. Cellar, shed. Spare, full time, year round. We pay \$3.50 lb. Free Book. Mushrooms, Dept. 108, 2954 Admiral Way, Seattle, Washington.

### ● Buyers

HIGHEST CASH for Old Gold, Broken Jewelry, Gold Teeth, Watches, Diamonds, Silverware, Spectacles. Free information. Satisfaction guaranteed. Rose Refiners, Heyworth Building, Chicago 2, Illinois.

### ● Farm Machinery & Equipment

GARDEN TRACTORS \$95.00. Complete. Sickle Mower \$38.00. Special prices for winter orders only. Universal Manufacturing, 324 West Tenth, Indianapolis 2, Indiana.

MODERN FARMERS Make \$\$\$ with a Welder! Get the best (Lincoln) REA-approved from the largest farm welder dealer. New — used — buy — sell — trade. Free delivery anywhere! Terms if desired! We teach you Free! Call or write for details! Everything for welding at Mid-East Supply, Fairfield, Illinois.

NEW FORDSON Major Diesel tractor 3 16" plows. New this spring. \$2500. Quitting farming. Box 381-B, Route 6, Toledo, Ohio. Telephone Curtice, Ohio 6-5642.

### ● Farms, Real Estate

FARM FOR Sale: 120 acres. 40 cultivation. Good buildings. Plenty water. 18 head cattle. New tractor and equipment. Hogs. Chickens feed. 100 acres fenced. All for \$8,000.00. Stock and equipment \$4,000.00. Rent farm for five years. Other business. Roy Tinsley, Thebes, Illinois.

FOR SALE: Two room house 12 x 24 to be moved. One mile South of Tower Hill. W. B. Lee, Tower Hill, Illinois.

TWO 160 ACRE farms located in Ford County, Illinois. Modern improvements. March 1st possession. Other Illinois and Indiana farms. A. N. Peterson, Realtor, Phone 150, Paxton, Illinois.

FOR SALE: 140 acre farm, new 6 room basement house, barn, granary, chicken house, garage—all usable, 105 acres tillable, 20 acres spring fed pasture, 15 acres woods. See or write Thornton Blackwell, Zenia, Illinois, R. R. # 3.

### ● Livestock

WISCONSIN'S HIGH Production and top quality Holstein and Guernsey dairy cows and heifers due to freshen soon. Also, younger heifers and heifer calves — all ages. Will deliver any sized order by truck to your farm, subject to your inspection. Ross Blott, P. O. Box 158, Mukwonago, Wisconsin.

FOR SALE: Hampshire bred gilts and boars. Polled Hereford bull calves. Few cows and heifers. Top bloodlines and eligible for registry. Wm. McDowell, 7 mile North of Goldengate, Illinois. Wayne County.

FREE 76 PAGE Catalog livestock diseases, vaccines, pharmaceuticals, instruments. Low prices. Dairymen's cattle feeders! Big profits feeding "Ru-Min-Oc." Kansas City Vaccine Company, Dept. R2-2, Kansas City, Missouri.

GOOD FEEDER Pigs. Vaccinated, castrated and wormed. Stafford Pig Hatchery, Graton, Illinois. Located 13 miles NW of Graton at Rosedale.

FOR SALE: 20 month old Shorthorn bull. Sired by Oakdale Fortress grandsire Kirkton Eureka. Out of Duchess of Gloster dam. Wm. J. Fechtig and Sons, Enfield, Illinois.

FORTY REGISTERED Hampshire ewes, young, Registered Rams. Six Registered Hereford heifer calves, three yearlings. E. D. Shanks, Loraina, Illinois.

OFFERING CHOICE Registered Swiss Bulls, all ages, fine type. Records to 20,000 milk. 820 fat on 2X milking. Also bred heifers, young cows. Rocke and Schlipf, Carlock, Illinois.

FOR SALE: Registered Hereford Bull-3 years old-papers furnished. Garland & O'Neil, Mt. Carroll, Illinois. Phone: Mt. Carroll 4022.

FOR SALE: Registered Angus Bull-4 years old, papers furnished. Merle Zink, Mt. Carroll, Illinois. Phone: Mt. Carroll 4203.

BERKSHIRES-SERVICEABLE age boars and bred gilts. Sired by a son of the 1951 Illinois State Fair Grand Champion boar. Black Diamond Stock Farm, Marion L. Schupbach, Sparta, Illinois.

20 LARGE BROODY Hampshire Gilts, bred to strictly meat type boars. Champion bloodlines. Vaccinated. Bangs free, reasonable prices. Also fall pigs. Harlan Lebegue, 2 miles East of Alhambra, Illinois.

FOR SALE: Black Angus cattle. Breed Eileenmere. Toy Terriers and German Shepherd puppies. Oak lumber and fireplace wood, cut to order. C. A. Rarick, Carlock, Illinois.

FOR SALE: Polled Hereford cows, bulls and heifers. Domestic Mischief breeding. Double registered at RS Ranch located on Rend City blacktop, 1/2 mile North off Route 14. West of Benton. Owner, Wm. Russell and V. N. Smith, Benton, Illinois, Route 3.

YORKSHIRES FOR Sale: The proven meat-type. Bred gilts, open gilts, pigs, and boars. Knox Hiron, one mile East, Waltonville, Illinois.

## 2,000-Year-Old Village

(Continued from Page 6)

The vast assortment of relics of treasures of the Hopewell village, is housed in an abandoned school house near the Kuhne farm. Struever has converted the building into his living quarters and laboratory. There is some talk of turning the place into a museum, after the young archaeologist has finished his study of the material.

As might be expected, co-op electricity has played a role in the proceedings. Struever took out a membership in Illinois Valley Electric Cooperative of Princeton so that he might have the advantage of modern electric service at his laboratory while he pursues the study of an ancient people, who disappeared mysteriously from the continent around 300 A. D., approximately 1630 years before their successors could claim the distinction of having electricity.

Faster, more powerful tractors pulling mounted plows will save time and cut down fuel costs.

