

ILLINOIS *RHA* NEWS

The Voice of 128,000 Members

June, 1953

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TV Antennas Can Be Dangerous

Careless installation of TV antennas resulted in the deaths of four persons recently. One antenna toppled into the electric power line, electrocuting the installer. And three persons were killed on a house roof when they backed into the electric wires, while installing the TV antenna.

Accidents such as these, can be avoided if the proper precautions are taken. It is always a good practice to locate the antenna far enough away from power lines so that if it falls, it will not come into contact with the lines. This distance should equal the height of the mast plus 10 feet for safety's sake.

The structure should be securely wired against high winds and heavy coatings of winter ice. Guy wires should also be located far enough away from the electric line to prevent contact. They should never be strung over electric lines.

If an antenna should come in contact with the high voltage power line, don't touch it or the guy wires. They may be energized. Call the co-op office and tell them. This may save your life.

Never A Dull Moment For Wiring Inspector

WHEN E. C. 'Buck' Harlow starts a day's work he's sure of only one thing,—it's a new day. For in his 12 years as wiring inspector with the Tri-County Electric Cooperative of Mt. Vernon, Buck has come to realize his job has a human side, also.

"There's never a dull moment," the inspector says in his matter of fact tone. As an example he tells of the day when he was driving down a road on his way to a job and a woman came running towards him waving a pistol.

"Believe me I didn't know what to think," he relates, "so I stopped the truck and got out. She was pretty excited and it took me a few minutes to calm her down enough to find out what was wrong.

"She told me something has killed 50 of her broilers and she didn't know what to do. I told her to give me the gun and we would investigate. I got to the chicken coop and found a ferret asleep on top of the dead chickens.

"I chased him out of the house and under a door. And, while the woman lifted the door, I shot the ferret."

On another occasion, Harlow was called upon to save a man from drowning, for which he received a medal. "I didn't do anymore than the next fellow would have," he modestly comments when pressed for details.

It happened on a wet, dreary day, when, "I was returning from a service call. The hard road was a little slippery. I noticed the car ahead of me skid a little then head for the ditch where it turned over twice."

There was water in the ditch and before the car had come to rest, Buck was out of his truck and into the water. "I had to go under to find the driver. He was pinned upside down with his head buried in the mud."

With the help of a motorist, Buck got the car righted and pulled out the driver, who

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Editorial Page

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Unselfish Spirit

LATE May is a poor time for a farmer, who has corn to plant, to be away from home. Needless to say, getting his crop in, is of primary importance to every farmer.

But 44 Illinois electric co-op directors, most of them farmers, took three days off late last month to go to Washington, D. C. Nearly all of them should have been home planting, but they felt that rural electrification was even more important than their own personal business.

Someone had to explain to Congress that adequate loan funds for rural electric cooperatives were vitally needed. Under the budget recommendations of Secretary of Agriculture Benson, there would not be sufficient funds for several basic phases of rural electrification, such as, heavying-up co-op lines to carry the ever-growing power loads put on them by farmers.

Also, under the Benson budget, there would be no loan funds for generation and transmission facilities. This worried most co-op leaders because the right of rural electric systems to borrow money to build generation plants, has provided bargaining leverage in negotiating wholesale rates with the commercial power companies. Even co-ops which have no desire to manufacture their own electricity, want the g. and t. right preserved. If it wasn't, they know that it would mean higher rates for their farmer members. Most electric co-ops would have to pass along the increased wholesale rates to their users.

Co-op farmer directors in many states shared the same anxiety over the rural electrification program as those of Illinois did. And like Illinois directors, considered it their duty to go to the nation's Capital to explain their problems to their Congressmen.

Whether their efforts were effective, remains to be seen. But their Congressmen gave them a sympathetic and friendly hearing. And from reports of Congressional committees, it appears that REA will get a larger authorization than Benson asked for.

Whatever the outcome, the trip to Washington illustrated once more the unselfish spirit and deep interest in rural electrification of co-op leaders. The directors receive no pay. The position often demands great inconvenience and sometimes personal expense in order to hire farm work done when co-op business takes them away from their farms.

If it were not for this unselfish spirit on the part of most of the people associated with rural electrification, the whole program would probably be in a state of decadence.

Farmer directors might justifiably take the attitude that if Congress doesn't see fit to authorize enough loan funds, why should they as directors get all steamed up? They could say: "Well, we've done everything we could to make a go of it, but it's getting too much trouble. Let the private power companies have it."

But they don't take such an attitude. Directors, managers and others who are a part of the rural electrification program, feel that they are doing something worthwhile for their fellow men—something that makes the world a little better place.

The spirit of unselfish service to others more than any other reason is what keeps the rural electrification program alive and thriving. If this spirit were ever lost, no amount of REA loans would forestall for long, the end of the rural electrification program.

Allen Reporting . . .

By ROBERT S. ALLEN

THE record is now grimly clear that rural electric co-ops face the gravest crisis in their history.

Five months after the convening of the new (83rd) Congress, REA financed co-ops are threatened with the strong likelihood of losing their vital and long-held preference rights to power produced at government plants.

That is what will happen unless the Senate kills the new "private utility first" policy voted by the House.

This pro-utility policy was adopted by the House when it wiped out more than \$50-million for transmission lines and revolving funds in the 1954 budget of the Interior Department. By this devastating slash the House, in effect, repealed the law that gives REA-financed co-ops preference rights to power produced at plants built with public funds.

Issue Warning

If the Senate concurs in the House's action, scores of REA-financed co-ops throughout the country will be blocked from obtaining their rights under this law. Instead, private-profit utilities will get priority access to this rich prize.

That was the blunt warning voiced by REA leaders of the House at a meeting with Senate colleagues.

Participating in this conference were Representatives Sam Rayburn (Tex.), Mike Kirwan (O.), Clarence Cannon (Mo.), and Senators Lyndon Johnson (Tex.), Lister Hill and John Sparkman (Ala.), Hubert Humphrey (Minn.), Mike Mansfield (Mont.), and Wayne Morse (Ore.).

Rayburn asserted rural electrification had suffered its worst defeat in 20 years.

"Unless you senators can restore these transmission funds," he declared, "it is inevitable that the power being produced at government dams will be sold at the bus-bar to private utilities. That's the whole gloomy story, because there are no funds left in the Interior budget to insure that the preference rights of REA-financed co-ops are protected. The beneficiaries of the low-cost power being produced at government plants will be the utilities, and not the farmers and municipalities."

Echoes Charge

Representative Cannon, former chairman of the House Appropriations Committee, echoed this charge.

"What happened in the House was a complete sell-out to the utilities," thundered Cannon. "Listen to this telegram from Truman Green, of the Central Electric Power Cooperative of Missouri. He states, 'Utilities proposal will permanently scuttle the chances of government power reaching preference users in this state.' Another co-op official wired me, 'House action represents complete sell-out to private interests.' These wires tell the sad story."

"This is the heaviest blow ever struck against public power and

REA," declared Representative Kirwan. "It means higher rates and inadequate power for millions of farm families. Cooperatives will be left at the mercy of the private utilities in all rate negotiations."

New Co-op Tax?

A new plan is under way to slap a Federal tax on cooperatives.

This came to light in a memorandum that Treasury Undersecretary Marion B. Folsom circulated among members of the Joint Congressional Committee on Taxation. The document disclosed that a secret study is being made of taxing co-ops.

Prime mover behind the scheme is Gerald D. Morgan, special assistant on the White House staff. Morgan was a registered lobbyist of the National Tax Equality Association from 1947 to 1949.

Significantly, the Association's latest drive to tax cooperatives was timed with the launching of the Treasury's unannounced study.

Note: Representative Dan Reed (N.Y.) chairman of the House Ways and Means Committee, is still strongly opposed to any new taxes on co-ops.

Utility Probe

The committee headed by Senator Joe McCarthy (Wis.) is considering investigating charges that private utilities have made millions of dollars by misusing the speed-up tax rights they were granted under the vast rearmament program.

The probe was asked by Senators Warren Magnuson and Henry Jackson (Wash.). Jackson is a member of the committee.

In a report to the committee they charged.

"The records show that since the enactment of the 1950 Revenue Act, gas and electric utilities have received tax amortization certificates amounting to \$1,626,615,000 on proposed construction of facilities totaling \$3,531,142,000.

"The certificates held by these companies permit them to depreciate over a five-year period—to write off for income tax purposes—\$1,626,615,000 of their plant costs. Was it the intent of Congress that the regulated private utilities, who by law are guaranteed a fair return on their investment, should receive a windfall of this magnitude?"

'Gravely Concerned'

"We are gravely concerned about the misuse of tax amortization certificates to provide windfalls for the regulated utilities. The purpose of allowing accelerated depreciation for tax purposes was to take the risk of post-emergency disusefulness off the back of the businessman investing his money in defense facilities.

"We believe that most of the hydro-electric and steam generating plants constructed under these tax amortization certificates will be used far beyond the present emergency period. If there is any risk involved,

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What Our Readers Say

Was recently given a copy of the Illinois REA News and am very much interested in it. We, in Coles-Moultrie Electric Cooperative, do not receive such a publication, so I am enclosing my personal check for 60 cents—for members, I believe. Hope to receive my first copy soon.

W. B. Senter
Ashmore

I enjoy receiving the Illinois REA News.

Mrs. Adrian McDowell
Clay City

Our Illinois REA News is to be complimented because it has something in it of interest for persons of every age.

Mrs. Hollie Frazee
Girard

We enjoy your Illinois REA News and think your homemakers pages are wonderful. In fact we read it from cover to cover.

Mrs. Ernest Craig
Dundas

I think it is a splendid gesture on the part of our own Illinois REA

News to supply us with so many wonderful patterns free of charge. Thanks!

Mrs. Edwin Jones
Richview

I look forward to getting my Illinois REA News. I read it from cover to cover,

Mrs. Roy Boldrey
Newton

I surely enjoy your patterns—especially the crochet patterns. We enjoy the whole paper from front to back.

Mrs. Rocksy Minor
Texico

We all enjoy the Illinois REA News and look forward to it each month. . .

Mrs. Frank Schaub
New Holland

I think the homemakers pages is a very nice way for the Illinois REA News to gain the friendship of the women.

Mrs. Ray M. Jones
Nashville

More REA Loan Funds Needed, Illinois Co-op Leaders Tell Their Congressmen

SIXTY farmer directors and managers of rural electric cooperatives in Illinois, went to Washington, May 18, for the purpose of telling their Congressmen about some of the serious problems facing the future of rural electrification in their home state and nationally.

Twenty-two of the state's 27 electric co-op systems were represented by the 44 farmers and 16 managers. The delegation gathered with Illinois Congressmen at a dinner meeting in the Willard Hotel. Congressmen attending included, Senators Paul H. Douglas and Everett M. Dirksen, and Representatives Melvin Price, Sid Simpson, Peter F. Mack, Harold H. Velde, Sidney R. Yates, C. W. Bishop and Charles W. Vursell. All of the Congressmen in the state had been invited.

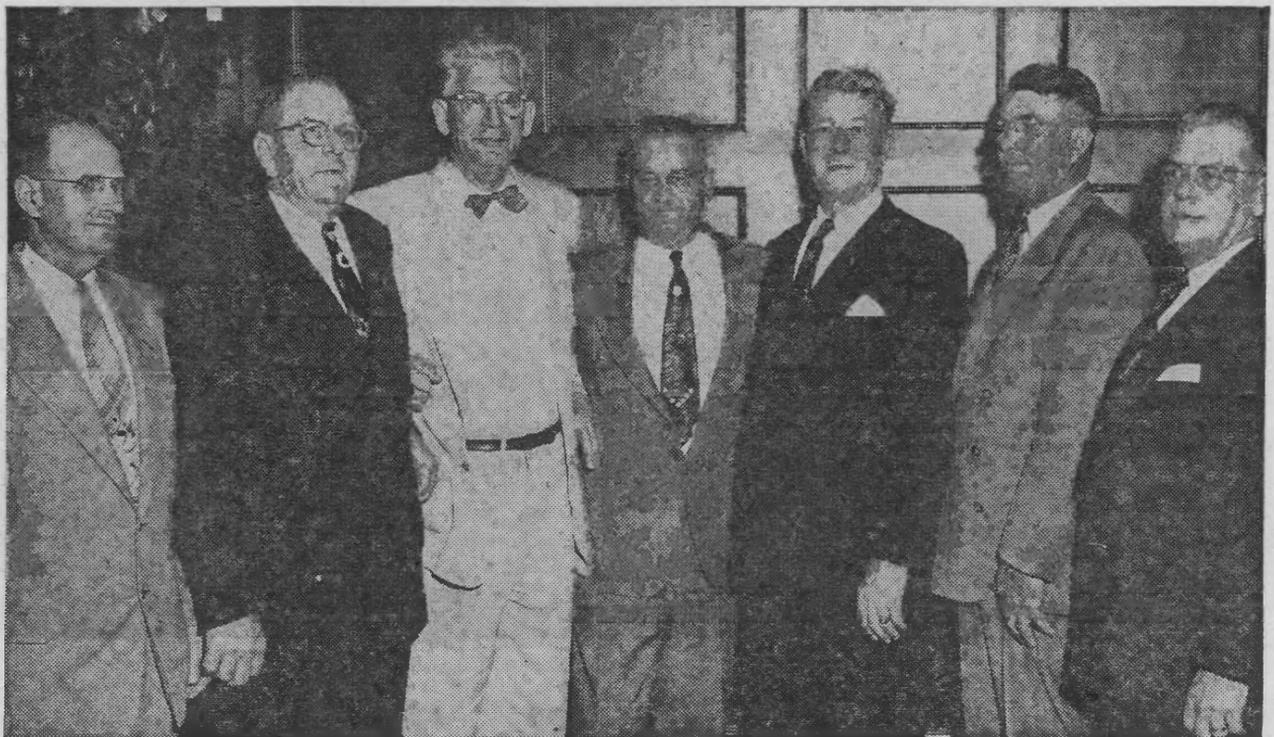
The Illinois group told the Congressmen that the REA budget recommended by Secretary of Agriculture Ezra T. Benson would seriously hamper the progress of rural electrification both in Illinois and in other states.

Benson Budget

Benson had asked Congress to authorize \$95 million in loan funds for REA during fiscal 1954 which begins July 1, 1953. The Secretary estimated that there would be a carryover of \$25 million in funds from last year making a total of \$120-million available to co-ops during the 12 month period starting in July.

It was pointed out at the dinner meeting that \$120-million would cover only a portion of the requirements of rural electric systems, whose credit needs during the next year have been estimated at \$294-million.

The lack of funds, various speakers emphasized, would not provide for the costly work of replacing smaller electric lines with larger ones made necessary by the ever-increasing use of power by farmers. Neither would it allow for any funds for loans to cooperatives



AN ILLINOIS delegation of 60 rural electric co-op leaders had nine Illinois Congressmen to a dinner meeting to tell them about the problems facing rural electric systems. Among the nine Congressmen attending were, Senators Paul Douglas and Everett Dirksen. Left to right, Raymond Pitchford, president of the Illinois Statewide Power Cooperative; G. Wayne Welsh, vice-president, State Association; Senator Douglas, Clay Trimble, president, State Association; Senator Dirksen, John Sargent, Illinois director, National Association, and A. E. Becker, manager, State Association.

which need to build their own generation and transmission systems.

G. and T. Right

The right of farmer-owned, rural electric systems to build their own electric generation and transmission facilities is a part of the Rural Electrification Act, it was pointed out to the Congressmen. While many cooperatives have no desire to build such facilities, it was said, still they wish to retain the right to do so because it is the only bargaining leverage cooperatives have in negotiations over wholesale power rates with power companies.

Co-op speakers pointed out that under the Benson budget of \$120-million for REA, no funds are available for generation plants, thus nullifying the effectiveness of the bargaining leverage that the right to borrow for g. and t. provides.

The power companies certainly are not asleep, it was stressed, and would realize that without funds REA couldn't grant co-op loans for g. and t. plants. As a consequence co-ops in Illinois and elsewhere would be squeezed into paying higher wholesale rates, which in turn, would mean that the farmer member would have to pay higher prices for his electricity.

Point Stressed

This point was brought out forcefully by Manager Stan Faris of the Illinois Rural Electric Co. of Winchester. His cooperative is the only one in the state that generates its own electricity.

"We didn't want to generate our own electricity when we started," Faris said, "but we were forced to when the power company refused to sell us electricity at wholesale for

less than 2 cents a kilowatt-hour."

This decision of the Illinois Rural Electric Co. back in the early days of the REA program in Illinois, caused the power companies to offer better wholesale rates to other Illinois co-ops for fear that they would build generating plants too, Faris added. He said that his cooperative is now producing its own electricity at a cost slightly lower than the average wholesale rate paid by the other 26 co-ops in the state.

Must Heavy-up

Faris, as did many other of the managers and directors who spoke, told of how the growing demands for electricity by farm users is making it necessary to heavy-up co-op lines.

The cost of rebuilding lines is much more expensive than was constructing the original lines, L. C. Groat, manager of Spoon River Electric Cooperative of Canton, pointed out. Labor and materials have doubled since 1939-40. Lines built then to handle 70 to 100 kwhs. a month average use by members, now must be constructed to handle many times that load. He said Spoon River members use 700 kwhs. a month.

Groat produced actual line construction figures to show Congressmen how line building costs have doubled and trebled since 1939-40. "A three-phase line today for example, costs \$5,500 compared to \$1,300 in 1939-40," he said.

Added Testimony

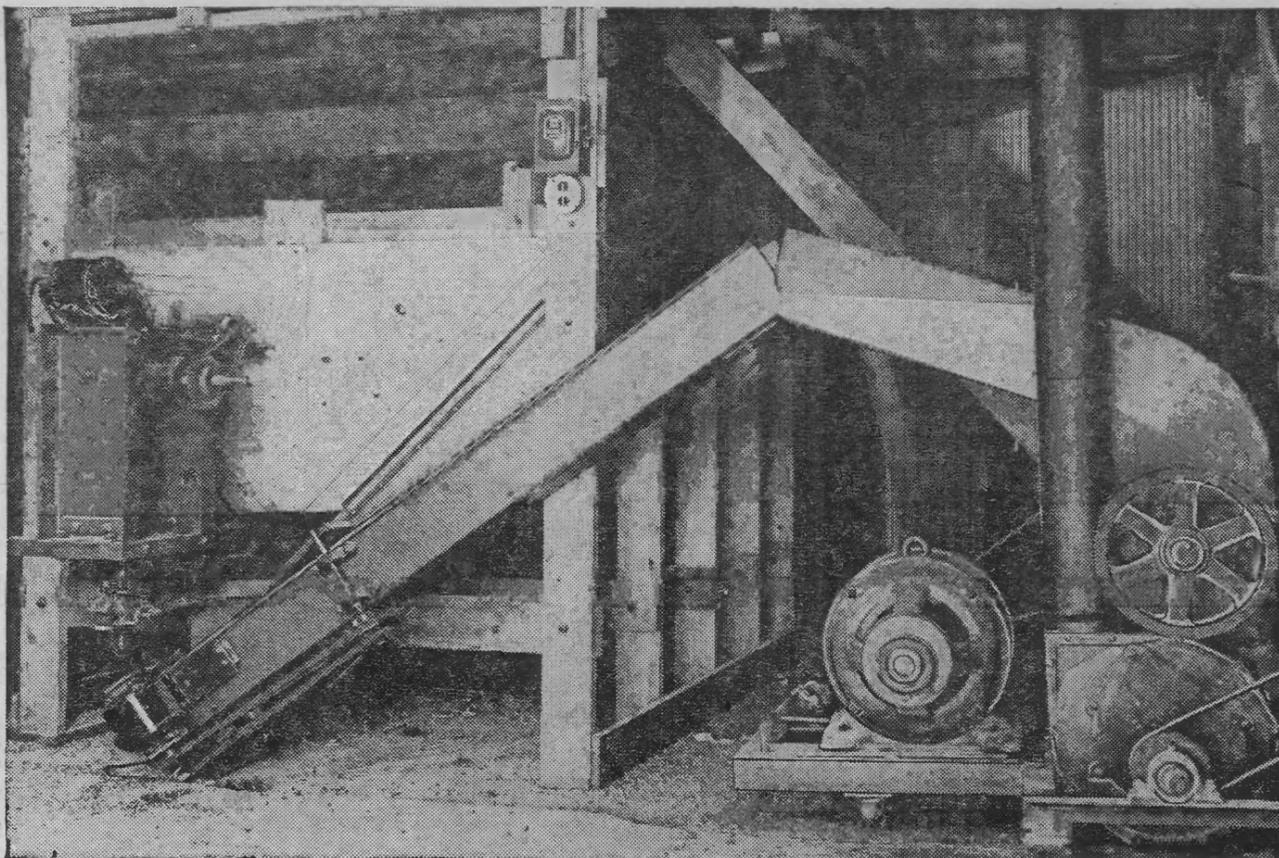
Other speakers added further testimony from the experiences of their own co-ops to show that rural electric systems must have continued credit at REA in order to rebuild their lines to meet the rapidly growing use of electricity by farm people.

The fact that 94 per cent of rural Illinois has electricity, is misleading, they said. It does not mean that the need for REA loans in Illinois is not still great.

R. V. Blacklock, director of Egypt
(Continued on Page Fifteen)



CO-OP LEADERS called on Illinois Congressmen to explain the needs of the rural electrification program. A delegation shown with Representative Peter Mack are, left to right, Ernst Hild, E. Clyde Lewis, Fred Harms, Congressman Mack, State Manager A. E. Becker, Homer Brown, Carl Bloome, Howard Bell, and C. Nelson Worner.



FEED HANDLING setup of Loren Lindsey of Lexington cuts his cattle feeding time in half. From the small inside corn crib at the left, a drag takes the corn to the small elevator, from which it is dumped into a crusher. The crushed feed is blown into an overhead bin.

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the tractor ready to grind than we do now in grinding."

Then, after the tractor was ready, "There were often times when we had to quit grinding because it was too windy and it was blowing the crushed corn."

Now, neither, wind, rain, or sleet can stop or hinder his feed grinding. Once a week he fills the inside corn crib. He grinds the corn a day ahead of when he needs it. "That way if we do get busy we always have a two-day supply."

He feeds between 100 and 150 head of cattle a day and figures he can grind his daily feed for less than 10 cents. That's just a little more than a penny a bushel.

Feeds Silage

Where Lindsey leaves off, Ellis takes over. He uses his automatic feed setup to distribute the silage and already ground corn to his feedlot bunkers. As a result he has cut his feeding time in half and increased his feeders by 50 per cent.

"My idea was to make feeding as simple and as easy as possible," says the south-central Illinois farmer. "And, I believe this setup is a step in the right direction."

Ellis says he installed the feeder because he had a lot of cattle to feed and hardly any manpower to do the job. "I fed between 50 and 75 head a year and did most of the work the hard way—with the wheelbarrow."

Experiments

Searching for a better and faster method, Ellis did a little experimenting and research before he came across his present system, developed by the University of Illinois.

It consists of a suspended drag located over his feed bunker. An electric motor, mounted at one end, powers the drag. The silage is taken from an elevator and carried the entire length of the bunker.

Ellis, stationed at the end of the drag at the motor mounting, shuts off the motor when the silage reaches him. He then turns a wheel which inverts the 50-foot drag box, depositing the silage into the bunker.

Uses For Corn

Now, from his end he elevates corn into the upside-down drag, reverses the motor and carries the corn to the other end, after which the drag is righted and the corn dumped on top of the silage.

"The whole process takes less than 15 minutes, half the time, it used to take three of us to do the same job," Ellis points out.

Both cattlemen, Ellis and Lindsey, are members of rural electric cooperatives. Ellis receives his electric service from the Southwestern Electric Cooperative of Greenville, while Lindsey gets his from the Corn Belt Electric Cooperative of Bloomington.

Kilowatts Come To The Aid Of Cattle Feeders

HOW to cut work-time and, increase production with the minimum amount of manpower—that's the problem facing many Illinois cattle raisers today.

With continued low market prices, a saving in time and labor may mean the difference between a profit and loss. That's why Loren Lindsey of Lexington and Richard Ellis of St. Jacob, electrified their feeding setups.

Both cattlemen adapted University of Illinois automatic feeding techniques to their present buildings and operations. And, according to them they have cut their feeding time in half.

No Shovel Needed

Lindsey takes the corn from his outside crib, grinds it and stores it, all "without the aid of a shovel." Ellis carries the silage from silo the length of his 50-foot feed bunker electrically.

According to Lindsey this new system of preparing his corn feed "sure beats the old method. I had my tractor tied up; had to grind outdoors; and it took two of us to do the job."

Now, the grinding is done indoors and is easily handled by one man. It is a chore which can be done in the evenings after the field work is finished, or in bad weather, when it is not possible to work outdoors.

The First Step

The first step in Lindsey's electric operation is done by a portably-mounted, three horsepower motor. It operates both a drag and an outside elevator.

Corn is taken from the corn cribs located adjacent to the feeding barn and then is dumped into a 100-bushel inside, storage crib, where it awaits grinding.

From this crib the corn is dragged

into a small elevator and dumped into a crusher from where it is blown into a overhead bin. When needed, Lindsey parks his wheelbarrow under a spout of the bin and fills his bunkers from the wheelbarrow.

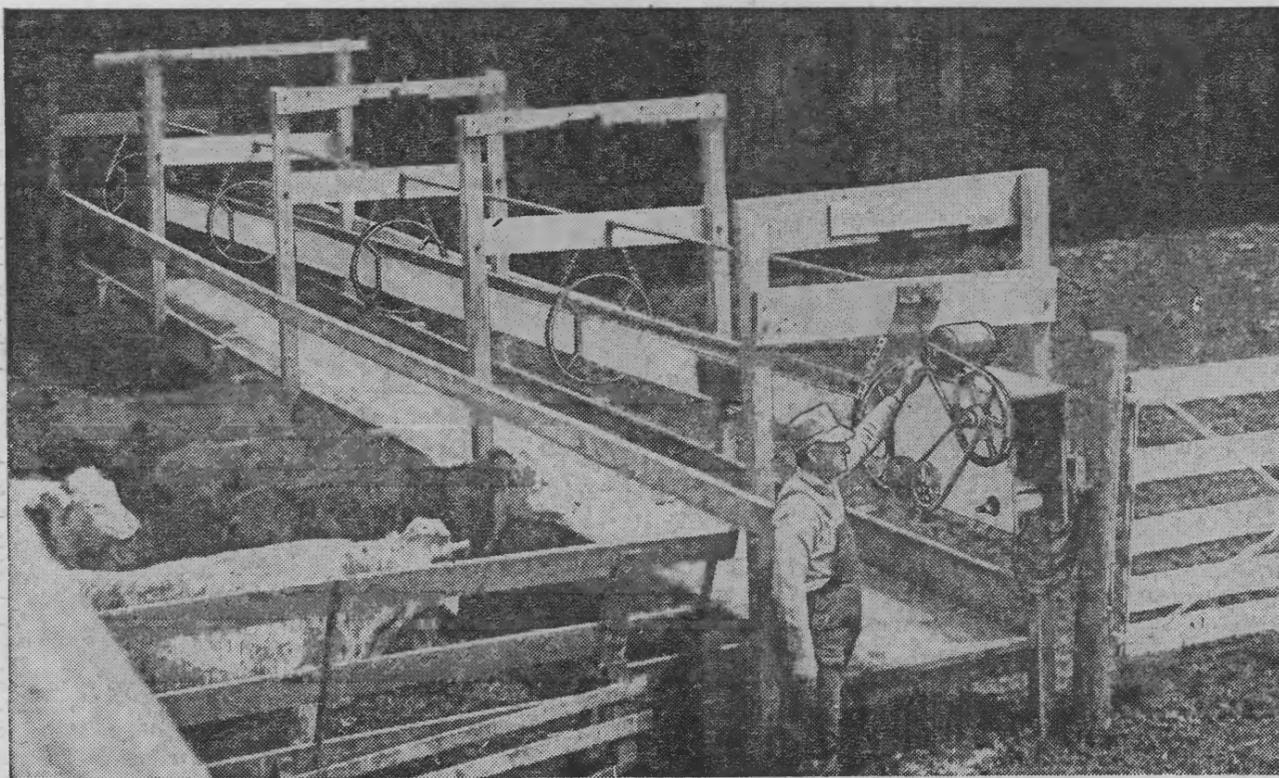
Makes Own Equipment

All of this equipment, except the crusher, was made by Lindsey in his farm workshop. "I had the tools and picked up odd parts out of junk yards. Besides, I saved money by building my own equipment."

"I still have to get an automatic switchbox and figure some way of getting the feed to the cattle," Lindsey explains, "before I have the complete system that I want."

Frees Tractor

Besides making the feed grinding a one-man operation Lindsey says, "The best thing about it is that it doesn't tie up a tractor. Why, we used to spend more time in getting



RICHARD ELLIS of St. Jacob feeds silage with this automatic feeder. Operated by an electric motor, a 50-foot drag carries the silage the length of the bunker. By inverting the drag, Ellis dumps the silage.

Two More Methods Of Heating Homes With Electricity

Heat Pump Gives Year Round Conditioning; New Radiant Panels Fasten To Ceiling



FLEXIBLE, LIGHTWEIGHT rubber heating panels are easily attached to ceilings by a special adhesive. Single panels can be pasted up like wallpaper. They are ideal for supplemental heat.

THE growing popularity of heating with electricity has been further accelerated by the introduction of a heat pump and ceiling radiant heat panels, 1/16 inch thick, which are pasted up like wallpaper and can be painted over.

While heating with electricity in areas where low cost power is not available, admittedly costs more than coal and usually somewhat more than oil and gas, many home owners believe the distinct advantages it affords offset the higher costs of operation.

Users of glass panels, another form of electric home heating, very seldom complain about paying a few dollars a month more for heat. They say that there is no comparison between electric and conventional types of heating. The cleanliness, comfort and convenience, are three of the most appealing advantages of heating with kilowatts.

Heat From Air

One of the most recent electrical heat systems to invade the market is the General Electric heat pump which extracts the heat from outside air to warm. In the summer, the pump reverses itself, and cools the house.

The new heat pump, is in a different category from the ordinary heating methods since it gives year round conditioning. The process is automatic. For example, on a cool morning, the unit gives off heat. If the weather warms up through the day, the pump automatically reverses the process and cools the house.

All the user has to do, is set the thermostat in his home at the desired temperature and there it stays the year round.

Prices Still High

The unit is still in the luxury class selling for the price of a higher priced car, between \$3,500 and \$4,500 installed. However, it is not too far out of line when compared to the combined cost of a central heating system plus air conditioning.

Larger production and sales volume will probably bring the price down. But the manufacturer points out that when the pump is installed in a new home, savings result in not having to build a chimney or buy a fuel storage tank. Furthermore, windows do not require screens. And because of the cleanliness, furniture and decorations last longer.

In an already constructed home where there is a satisfactory warm air duct system, much of the duct-work can be utilized by the heat pump, thus cutting down on its cost somewhat.

Estimates For Operation

No definite annual cost of operation can be given because of the many variable factors involved. The manufacturer estimates, however, that the system uses between 2500 and 3500 kilowatt-hours of electricity for each horsepower of the heat pump. Currently, this manufacturer is making the pumps in three and five horse power sizes.

The principle of the reverse cycle pump has been the subject of several articles in the Illinois REA News. Most models use water as the heat source. The general Electric unit, how-

ever, takes heat out of the air even when the outside temperature is below freezing.

During the summer, the unit works like an air conditioner by removing heat and excess moisture from the indoor air and replacing it with fresh air that has been filtered and cooled.

Year round, the unit automatically filters and circulates air while keeping the house at the temperature desired and controlling the humidity.

Rubber Ceiling Panels

Another development in electrical home heating is the new type radiant heat panel introduced by the United States Rubber Co.

The panels are rubber and only 1/16 inch thick and weigh six ounces per square foot. Each panel consists of a thin sheet of conductive rubber—the heating element—sandwiched between thin sheets of plastic and aluminum foil.

Called Uskon panels, they are easily installed and can be used for a complete home installation or for auxiliary heat in attics, garages or dens.

The manufacturer states that the operating costs are comparable to that of other fuels where electricity is available for 1½ cents per kilowatt-hour or less. In most electric co-op areas the average low bracket rate ranges between 1½ and 1¾ cents per kwh.

Cost of Panels

The cost is about \$40 per panel installed. An expansion attic of 400 square feet with two bedrooms and a bath would run about \$300. Like other forms of radiant heat, Uskon panels should be installed where the home is well-insulated.

In small rooms, the panels are usually centered

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FRONT VIEW of a heat pump showing the extensive duct-work. The heat pump eliminates fuel storage because it utilizes the heat in the outside air to warm the house. In summer, it reverses its process and cools the house.

or can cover the entire ceiling area. They come in sizes, four by six feet, four feet square, and three by four feet. In larger rooms, it is only necessary to install as many as are required to take care of heat losses. They can be arranged in an attractive pattern and painted over.

Low-voltage thermostats control each panel circuit. The panels are rated at 22 watts per square foot (75 BTU's) and are available for either 115 or 230 volts.

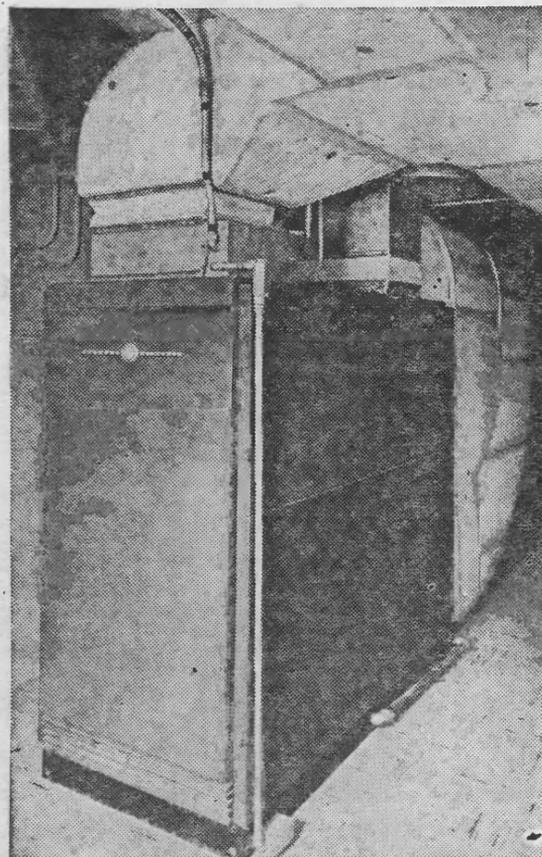
Other Advantages

Besides the advantage of healthful radiant heat with its freedom from drafts, ceiling panels leave walls and floors free for furniture and decorations. In addition, panels do away with the necessity for radiators, chimneys, furnaces and ducts.

The heat pump and radiant rubber panels give emphasis to the trend towards a new era in better home heating being made possible by electricity.

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Additional information on the above products may be obtained by writing for the following booklets: Uskon, United States Rubber Company, Rockefeller Center, New York City 20, N.Y. Heat Pump, General Electric Co., Air Conditioning Division, Bloomfield, N.J.



A Good Ventilation System Keeps Your Cows Healthier

Excessive Moisture In Barn Causes Sickness In Herd and Leads To Costly Repair Bills

DID you know that 30 cows will give off about two barrels of moisture every 24 hours? And, when you get warm, animal-heated air in contact with this moisture you've got a problem.

If the moisture stays in the barn, the barn is going to be mighty damp. Also, stale air and damp barns are causes of tuberculosis and other cattle diseases.

By installing a ventilating system you can prevent these costly sicknesses and repair bills. Dairymen, like Eldon Langel of Greenville, have found that it pays to regulate the temperature and humidity in the barn.

Increases Milk Production

Langel credits his ventilating system with increasing his milk production as much as five per cent. "Since I've had it, I haven't had a sick cow," he proudly points out. "I usually had one or two sick cows. And, one cow out of production cuts my milk check five per cent."

His experience is similar to other dairymen, who keep their cows shut up during bad weather in tight, stanchion barns. Moisture collects on the walls, the window sills begin to rot and the cows are troubled with colds.

"Once I lost a good producer be-

cause of pneumonia," Langel declares. "I valued her at \$300." That's more than it cost Langel to install his ventilating system.

Makes Decision

"That's when I decided that I had to do something," Langel explains. So, he discussed his problem with the power use adviser of his electric co-op—Southwestern Electric—and also with his milk inspector.

"I found that I had to have an even temperature in the barn at all times and, that I needed a fan big enough to move between 60 and 70 cubic feet of air per minute per cow."

Langel figured that he usually housed between 20 and 25 cows in the barn, so he required a fan which would move around 1,500 cubic feet of air a minute. He also found out that because his building was tight he had to build air intakes on the walls opposite from the fan.

Place Opposite Wind

For best results it was pointed out to him that his fans should be placed on the wall, away from the prevailing wind. In his barn, this was on the east wall.

Langel decided on a 24-inch shutter-type fan, which he regulates with two-temperature controls. One is set at 45 degrees, while the other is set at 55 degrees. This provides



BARN VENTILATION helps Eldon Langel maintain year-round, high milk production. "It keeps the cows healthy," the young dairyman says. It removes excess moisture from the barn and controls the temperature. Langel credits it with increasing his milk check five per cent.

him with an even temperature control and keeps the relative humidity around 75 per cent.

"The cows seem to be pretty well contented now. And, I know that I am when I have to work in the barn." Langel also remarks that when he opens the barn in the morning, "The moisture doesn't drip from the doors like it used to."

'This Method Cheaper'

Instead of installing a humidity controller, Langel says he uses the two temperature controls to do the job, because, "humidity controls are very sensitive and need adjusting too often. This method is much cheaper to operate."

When the temperature in his barn rises above 55 degrees, the outside shutters on the fan open automatically and fresh air is drawn into the barn until the temperature drops.

In the process, the excessive humidity is carried out of the barn. Then, when the temperature drops a few more degrees, the shutters close, but the fan continues to circulate the air.

★ ★ ★

THESE TWO temperature controls are the heart of Langel's ventilation system. They are set to keep the inside temperature around 50 degrees. When it rises about 55 degrees the fan is turned on and the hot, stale air is replaced by fresh, cool air.



If the temperature continues to drop and goes below 45, the fan shuts off and the heat from the cows warms up the building again. All of this is taken care of without any work by Langel. "It sure makes it easy for me," he adds.

Langel figures the cost to operate the system runs around 10 cents a day. But, "That's cheap if it just keeps one cow from falling out of production because of sickness."

The dairyman recommends that if you have trouble with sick cows, musty barns, a noticeable loss in milk production (especially during cold weather) then "I think a barn ventilator will help you out."

Gives Advice

A trip to the co-op office, or to the local farm adviser, may provide you with the necessary information for installing a proper ventilating system in your barn, he advises other dairymen.

In addition to this electrical use, Dairyman Langel is in the process of installing an automatic barn cleaner to "eliminate another headache." He feels that it's so much better and easier letting electricity do the work.

Langel produces grade A milk. He has been dairying for the past seven years and admits, "I still haven't learned all there is to know about dairying." He has a Holstein herd, part of which is registered.

"I guess I wouldn't be dairying today, if I didn't have electricity," the young farmer points out. "You need it to cool the milk, to milk and to water the cows."

FARMWIVES

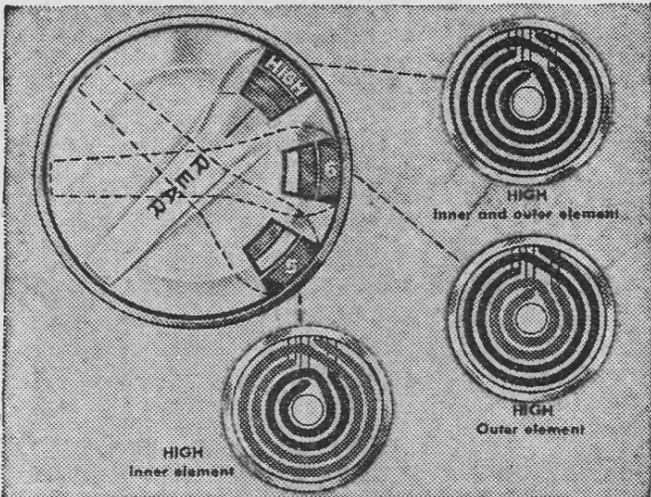
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cooking!



Model ER-93, shown, Model ER-93D with double oven, slightly higher in price.

See at a glance in Jeweled Lights What's cooking Where on How Much heat

"Picto-Heat" Controls and Double-Duty Surface Units combined in this great Kelvinator range value ... only \$369.95*



Here are just 3 of the 7 different heats you get on all Kelvinator surface units. Each "Picto-Heat" Control tells you exactly what's on—and where! You don't have to watch or worry.

*Price shown is for delivery in your kitchen. Installation, if any, state and local taxes extra. Prices and specifications subject to change without notice.

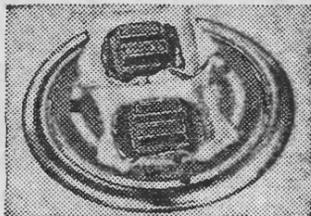
No remembering! No watching! No scorching! Now—cook *all* top of the range dishes with new ease and exactness!

Kelvinator "Picto-Heat" Controls tell you everything instantly ... in lights. Even when all units are in use, it's easy to see! And the Double-Duty Surface Units have independently heated inner and outer rings that make it easier to cook on 7 heat settings. By using small pans on the inner

rings, you save up to 45% on electricity. The outer rings alone for large vessels add cooking economy too.

See unmatched value-features like: giant perfect-baking oven; charcoal-like broiling; "Automatic Cook" oven timer; ultra-fast oven pre-heating to 350°; electric minute timer; full-width utensil storage drawer; super-fast Rocket unit. See your Kelvinator Dealer for a demonstration ... soon!

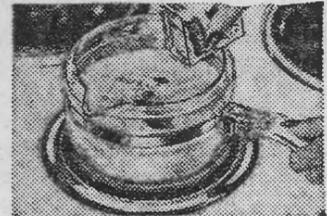
Kelvinator Controls Give You Widest Cooking Flexibility!



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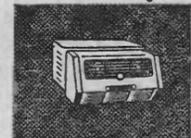
Model AWG—Kelvinator Automatic Washers! Better!

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Model KR-10-82D—Kelvinator Electric Water Heaters! Last!

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Division of Nash-Kelvinator Corp., Detroit 32, Mich.

Will New Equipment Mean A Profit Or Loss To You?

Here's A Scientific Way Of Taking Much Of The Guesswork Out Of Your Buying Decisions

By Richard Hausler

ACCORDING to production economists, even the most business-like farmer resorts to antiquated "by-guess-and-by-gosh" rituals when deciding whether to buy new equipment to replace old or to take over from manual or animal labor.

There would be no problem if all farm production equipment were like the one-hoss shay—not made obsolete by a new development, needing no maintenance, and as good as new until it collapsed in a heap of junk. The question of when to replace it would be as simple as deciding when to replace an electric light bulb. That's how Dr. George Terborgh, recognized as one of industry's top men in the equipment analysis field, puts it.

Finding that most production equipment and methods have little in common with the one-hoss shay, Terborgh spent five years seeking a sound approach to equipment replacement questions more difficult and economically more important than deciding when to replace a light bulb. The answers discovered apply to agriculture as well as industry.

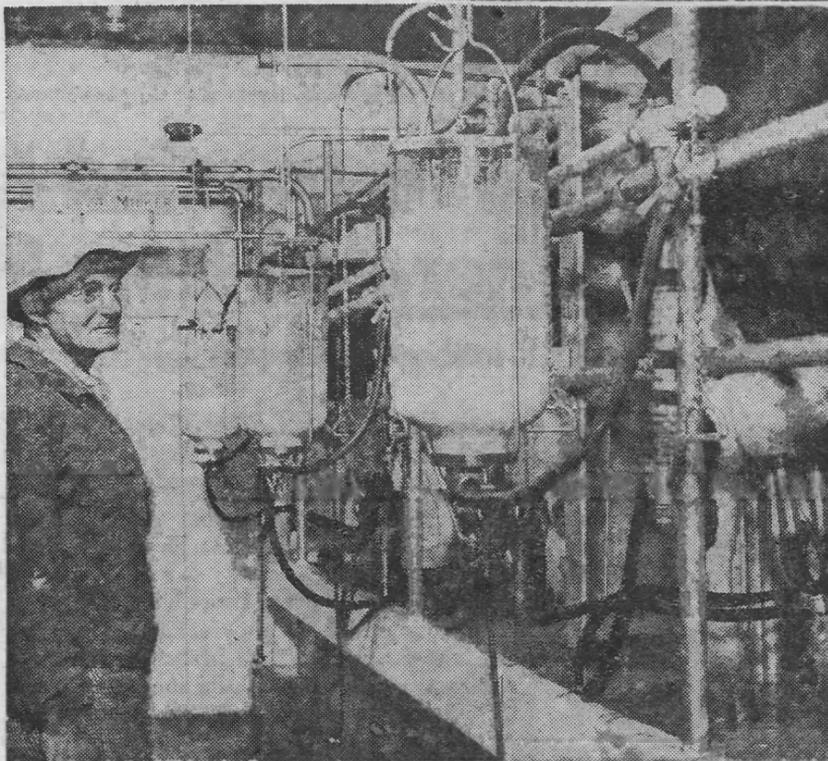
Had Ample Backing

Industry heads gave Terborgh ample financial support and enthusiastic aid. They considered themselves warned to take action by the economic stagnation of England, which many of them traced to antiquated production equipment policies. Seldom replacing equipment until it wore out, English manufacturers and farmers suddenly found themselves with economically dead machinery in their factories and on their farms. Despite varied government efforts, production costs soared to heights prohibiting competition for foreign markets.

Unsound Policies

Doing some soul-searching, American industry found itself using the same ancient equipment replacement policies which it claims wrecked the English economy. Most farmers will find these same unsound policies at the base of their own equipment replacement decisions:

1. The hunch: A man's version of a woman's intuition. The farmer just "feels that prices are going down by next year so he'd better postpone his purchase of new dairy equipment. He doesn't analyze what continued



World Wide photos

use of old methods another year may cost him.

2. Rule of Thumb: The farmer arbitrarily sets a one-year period—or two or five—in which new equipment must pay for itself. (No one seems to know why he picks his particular mystic period, but everyone sticks rigidly to it.) This method assures the elimination of unsound purchases; it also assures some costly postponements.

3. Impulse Buying: The farmer just doesn't think much about equipment until he angrily orders a new tractor the day the old one breaks down in the middle of harvesting. This is the same approach his wife uses when she impulsively buys that new hat she sees in the store window.

4. Follow-the-leader: This approach has you watch a neighbor who is farming profitably. If he doesn't buy a new-dryer, you don't. Maybe that is a sound decision. Or maybe the neighbor's land is so rich, his general farming ability so great, or his market so keen that he prospers despite costly equipment policies.

5. Wear it out, junk it, and buy a new one.

Lead to Bad Guesses

Obviously any one of these practices, or any combination of them, can lead to a wrong decision on equipment being studied. More important, all of these practices make it possible for an outdated piece of equipment or method to be an eco-



nomic drag for years without attracting any study at all.

economic drag for years without attracting any study at all.

The Terborgh approach, as it and similar formulae have proved themselves in industry, calls for regular analysis of each piece of production equipment and each production method even though they all seem to be working like a charm. This analysis is based on the use of easy arithmetic, a simple chart, good record-keeping, common sense and a sharp eye on each phase of the farm production line. As with most scientific solutions, the basic steps are not revolutionary, but the overall approach is.

An Example

Take the case of Herbert Nelson, who has "got along all right" with his four horses and saw no reason to "waste money" on a tractor. Using the new Terborgh approach, Nelson has to examine this link in his production line, along with all others. He finds that he can get a \$1,500 tractor to meet his needs. A check indicates that it is safe to assume that he could keep that tractor five years, then trade it in for about \$500.

Nelson's horses are worth \$800 right now, but depreciation and a declining market are cutting their value at the rate of \$150 a year. That barn space the horses and their feed are now using would be worth \$25 annually as storage room. On the other hand, he would have to build

a lean-to against the barn to house the tractor. That would cost about \$50 and last 10 years. Paper work shows that the tractor would save 320 hours a year now being spent feeding and caring for the horses. Nelson is hiring help for \$1 an hour, but he knows that meals and other incidentals run the real cost up to \$1.50 an hour.

Other Costs Figured

The horses have been costing Nelson about \$25 annually in vet and other "maintenance" expenses. Maintenance on the tractor he sets at \$35 a year, not counting oil and gas, which would run \$96 annually, he estimates.

To finance the purchase, Nelson will have to withdraw \$700 of that money he has invested at 4 per cent. Putting all of this on a simple chart, Nelson gets the following story:

Cost Factor (per year)	Defender (4-horse)	Challenger (tractor)
Feed	\$200	0
Oil and gas	0	\$ 96
Storage space	25	5
Excess labor costs	480	0
Maintenance	25	35
Interest loss	0	28
Depreciation	150	200
Adverse totals	\$880	\$364

The horses may not be causing Nelson any trouble, but they are economic "zombies" costing him \$516 annually, the difference between the above total costs. The advantage of the Challenger is so wide that Nelson should have, like most farmers, recognized it without aid from a sound new approach. Most equipment problems, though, offer more closely matched alternatives.

Another Case

Clarence Jackson has such a problem. Shall he buy a new truck now or make his old one last a sixth year? His old truck needs a \$200 overhaul job. Before the overhaul, he can get \$700 for it on a trade-in for a \$3000 new model. Next year, the trade-in value would be only \$500. Jackson knows that the new truck will depreciate at a \$400 annual rate during the early years.

Including his own time, maintenance on the old truck would run about \$150 during the year, while the figure on the new one would not be above \$40. In addition, the best figures he can get show that the new truck would save him about 10 per cent of his annual \$180 gas and oil bill. On the other hand, increased insurance costs and taxes on the new truck will amount to \$25. In addition, Jackson is strapped for cash and will have to borrow \$2000 at

(Continued on Page Fifteen)

*Question
of the
Month*

Question: What Do You Consider Your Most Important Use of Electricity?

Mrs. Ben Hennes of Chrisman says: "Just about everything we have is electric. And, I don't know what I would do without any of my appliances. However, if I had to make a choice I think I would take my electric range. It's so much cleaner and faster than any other type of range. It doesn't dirty the kitchen and makes cooking a pleasant job instead of a chore." The Hennes' are members of the Edgar Electric Cooperative of Paris.



August Rakers of Carlyle says: "My water system is probably the most important electrical use on the place. I would have given up dairying a long time ago if I still had to carry all the water the cows drink.



Besides, I don't believe I could be producing grade A milk without plenty of running water. There's just nothing that can take the place of water on a dairy farm." Rakers gets his electric service from the Clinton County Electric Cooperative of Breese.

Mrs. F. Del Kettering of Monmouth says: "There are very few electrical things that I would want to be without. However, I believe my washer and home freezer are my two most important electrical appliances. I know that I wouldn't want to wash by hand. I did some of that when we first got married and it was anything but fun. I wouldn't want to part with any of the electrical appliances and go back and do it the old way." The Ketterings are connected to the lines of the McDonough Power Cooperative of Macomb.



Lyle Burton of Golden says: "A water system is definitely the most valuable electrical use on the farm. It takes care of all my watering needs. I have two water tanks for my livestock. Both of them have heating elements. That sure saves a lot of time during the winter. There's hardly a worry about water. I raise between 150 and 200 head of hogs a year and they drink plenty of water. I don't think I would continue to raise them if I had to carry the water." Burton is a member of the Adams Electrical Cooperative of Camp Point.



Cold-soak your own fence posts at home with preservatives to help cut down long-time fencing and labor costs.

Board Approves New Name For Illinois REA News

The board of directors of the Association of Illinois Electric Cooperatives voted to change the name of the Illinois REA News. The new name will be Illinois Rural Electric News. This action was taken May 21, at the regular monthly meeting of the State Association board in Springfield.

The dropping of REA from the title is in keeping with a general trend throughout the state and nation to avoid confusion that the misnomer has caused. Both cooperatives and the State Association publication have been confused as being a part of the Rural Electrification Administration, when they are privately-owned and controlled organizations.

The Rural Electrification Administration, the initials of which have often been used by farm people synonymously for rural electrification, is a lending agency of the Federal government and its relationship to electric cooperatives is the same as that of a bank to a borrower.

REA has been used in the name of the state publication since its inception 10 years ago. The new name

will be put into use within a few months.

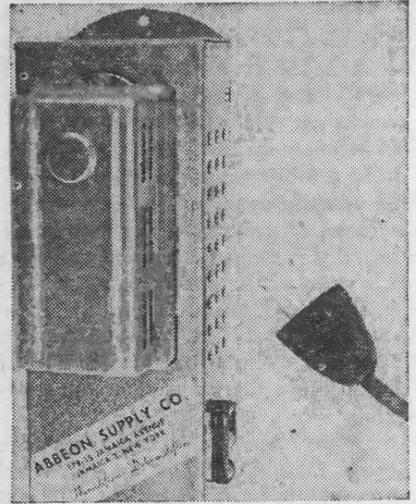
The board heard several reports including those of the recent meeting with Illinois Congressmen in Washington, D.C., May 18; a report of the meeting in Chicago, April 27 and 28, of the national state managers and presidents' association, and reports of district meetings.

The board approved appointment of a liaison committee to meet with the Illinois Agricultural Association whenever the need arises.

The board passed a resolution in support of the Southwest Power Administration's continuing fund to enable electric cooperatives in the SPA area to go on buying their power from that source. A request for State Association support was made by a group of electric co-op systems in the southwestern part of the country.

The bookkeepers and accountants association was taken in as a section of the State Association. A film on lightning was purchased by the board. It will be made available to member cooperatives for their power use programs.

What's New?



This plug-in humidity controller fills the need for a simple automatic control for all electrically-powered humidifiers and dehumidifiers.

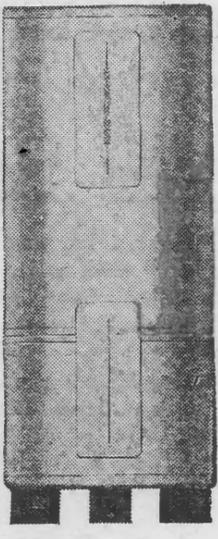
It is simple to operate. All that is necessary is to plug the humidifier or dehumidifier into the control unit. Then, plug the controller into a wall outlet and set the dial at the percentage of relative humidity desired.

The controller is priced at \$35 and may be obtained from Abbeon Supply Company, 179-15 Jamaica Avenue, Jamaica 32, N.Y. If interested be sure to specify the type and make of unit the controller is to be used with.

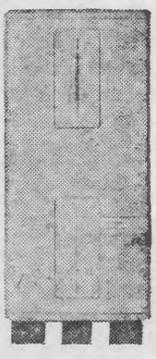
FAIRBANKS-MORSE

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Fairbanks-Morse tank type, automatic. Capacities range from 30 to 120 gallons. Single or double heating elements. Nichrome heating elements transmit heat directly to water. Thermostats keep water at pre-set temperatures. Automatic shut-off assures safety and economy. Insulated with 3" Fiberglas blanket. Finished in white enamel. Tank galvanized by hot dip method. Protected inside by magnesium anode rod, guaranteed 10 years!



Fairbanks-Morse 12-gallon dairy model. Made like the larger ones! Fully automatic controls. Fully insulated. Single or double heating elements for faster recovery. Farmers and dairymen find this model just right for dairy cleaning chores. Assures sterilizing hot water in ample volume without draining the hot water from the household heater.



FAIRBANKS-MORSE



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Made of same insulation as used in these electric water heaters!

'Can't' Isn't In Hilvety's Vocabulary!

IF 'CAN'T' is in Owen Hilvety's vocabulary, then it's the word he uses least. For, in his country workshop, Hilvety repairs all types of farm equipment, "and there hasn't been a job yet, we couldn't handle," he proudly declares.

Born of grass-root farmers in the heart of the cornland of Illinois, near Moweaqua in Shelby county, Hilvety turned towards mechanics at an early age. "My father used to say, that even before I could talk, I could name the parts of a steam engine."

Before he was in his teens, he could take the family tractor apart and put it back together. "It just came naturally. And though my father still wanted me to become a farmer, he did consent to let me have a small machine shed."

Got Mechanical Skill

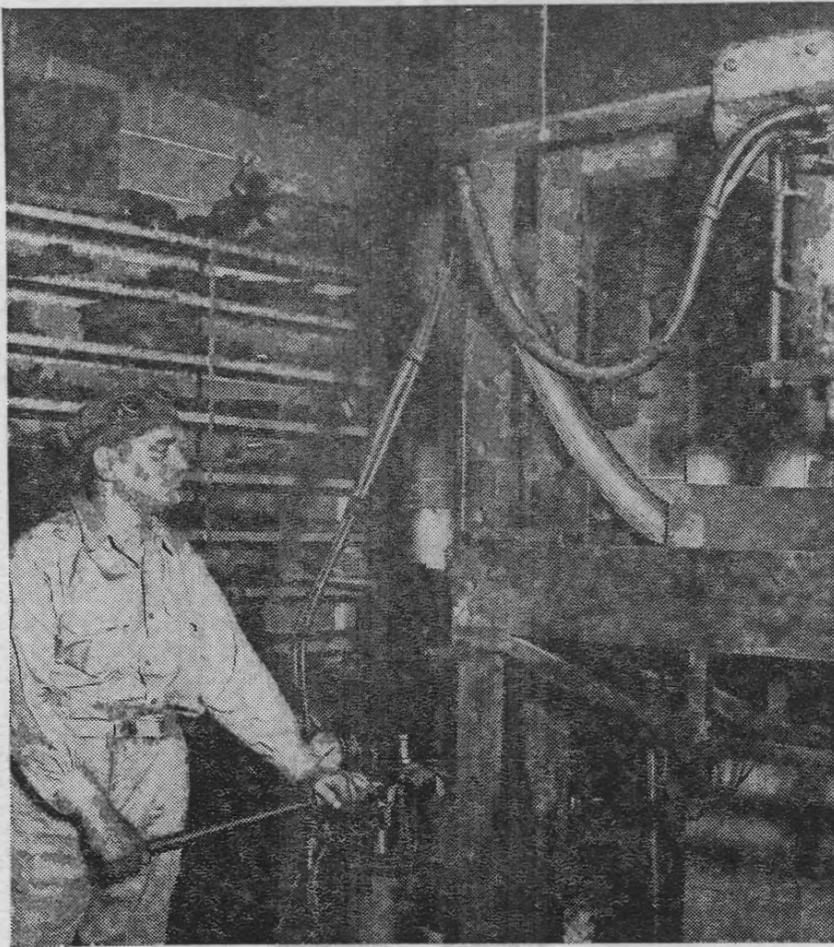
Hilvety says he quit school when he was 10 to help shuck corn and never went back. That was the end of his formal education, but what he lacked in book learning he made up in mechanical skill.

By the time of his 30th birthday, Hilvety had expanded his machine shed into a neighborhood repair shop and was doing a lot of custom work. He gave up farming altogether.

It was then the early 30's and work grew scarce. "Figuring I could make more if I went to where the work was," he points out, "I purchased an old bus, converted it into a shop and travelled around the country doing machine work."

Makes Tools

Before long, he had more business than he could handle, so he built a



OWEN HILVETY'S motto is 'can do'. When he needed a large press for shaping the tubular iron used in his crop sprayer, he made it himself. He also made the dies for the press.

permanent building on the farm. Since then, he has come to say that "We do all types of work." And, if he doesn't have the tools for the job he makes them.

For example, a year ago he felt there was a need for a better type of crop sprayer and he was determined to make one. With his own plans, he incorporated his

ideas with present sprayers and designed one which he thought would do the best job.

Hilvety's sprayer was made out of tubular iron with a low-hanging belly tank. This lowers the center of gravity and keeps it from turning over easily, Hilvety explains. He got the tanks from war surplus. He purchased his engines and assembled the units in his shop.

Designs Press

Because the iron had to be bent, Hilvety designed a large press and made his own dies to handle the job. "It would have cost too much to buy the type of press I needed. Besides I felt I could make one myself," he remarks.

It is a 10-row sprayer and is streamlined so that it can go through corn rows without breaking them down. The spray booms can be elevated seven feet.

The sprayer is chain-driven and powered by a 10 horsepower, two cylinder motor. It has an automatic transmission with a clutch for disengaging the pump when not in use.

Prefers Electricity

All of the power machinery in Hilvety's workshop is powered with electric motors. "They are cheaper to operate than gasoline and are not as bothersome," he says.

"I used to spend as much as \$3,500 a year for gasoline alone, before I had electricity. Now, I do twice as much work with electric motors and my bill runs around \$400 a year." Hilvety is a member of the Shelby Electric Cooperative of Shelbyville.

Dryer Saves Work For Mother Of Five

WHEN you have two big washings a week, it pays to have an electric dryer. That's how Mrs. Robert White feels about her newest electric appliance.

A mother of five growing youngsters, ranging in age from nine months to 11, Mrs. White says, "I'm sure glad I have that dryer. It saves a lot of time and makes washing a lot easier."

Without the dryer, "I think I would get pretty tired carrying the clothes up the basement steps every-time I had to wash." The country housewife does about four bushel baskets of washing twice a week.

No Rain Worries

Besides that, "What happens if I get all the wash hung out and it starts to rain?" she asks. "With this dryer that's something you don't have to worry about."

Mrs. White got her new dryer last Christmas, a surprise from her family. Before that I had to hang the clothes outside, when I could wash. Our water supply was pretty low and most of the time, we had to send our wash to the laundry.

The housewife says it used to cost about \$4 to \$4.50 a week to have the washing done. Now, she figures the cost of electricity for the dryer is around \$3.60 for a month's washing.

Some Spare Time

"Sometimes while I'm waiting for the wash to dry, and the baby is asleep, I take a few peaks at television."

However, she adds, "most of my spare moments are occupied with other things." That's another point in favor of a dryer. "After you put



"THERE'S NOTHING that compares to an electric dryer," says Mrs. Robert White of Monmouth. According to the farm housewife it saves time, work, and "needless steps."

the clothes in and set the timer, you can do something else.

"Or, if you happen to be busy around the house all day and don't get a chance to do the washing, you can do it in the evening and the

clothes will dry fluffy and nice, just like they would outdoors in the sunlight."

Home Freezer Helps

In addition to the dryer, Mrs. White believes that her electric

home freezer is another important time and worksaver. "With careful planning a woman can take advantage of her free time to prepare her meals for times when she's too busy."

She relates how she makes cookies, cakes, pies and other pastries and puts them into the freezer. "Then, on busy days, all I have to do is take them from the freezer, put them in the oven and have a nice treat for the family. It does wonders for your morale."

The Whites are members of the McDonough Power Cooperative of Macomb. Besides these two major home appliances the couple use the service to supply their water needs.

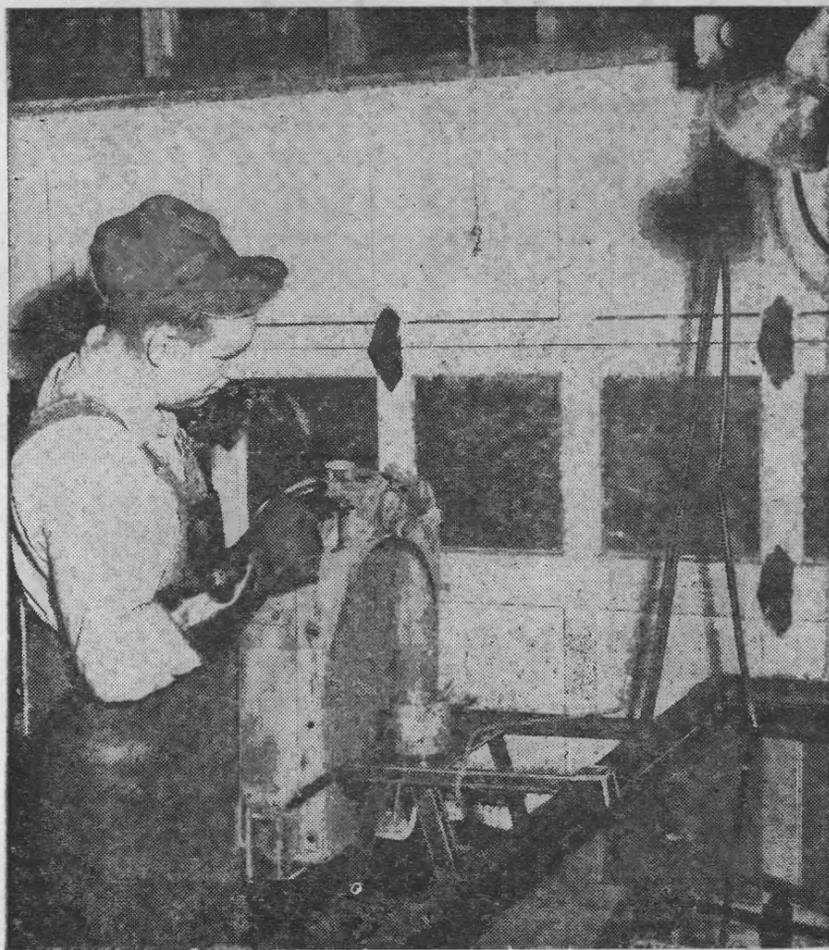
Mrs. White says, "I don't know what we would do without electricity. We have come to depend upon it for all our comforts and necessities." Her remarks are typical of thousands of other rural electric co-op homemakers.

What's New?



A pencil which is good for marking packages, earmarked for the home freezer is now on the market. It will write on cellophane, metal, glass, wax paper, foil, paper, or plastic. However, it is not for writing on wet or frozen surfaces.

It is manufactured by the Listo Pencil Corporation of Alameda, Calif. It sells for 39 cents. Extra black leads will be available in 15-cent packages. It can be bought in most gift and specialty shops.



GOOD LIGHTING is essential to Francis Ives, who repairs all types of radiators in his garage workshop near Taylorville. "If I didn't have good light I couldn't see the small holes," he points out.

Using two spotlights, plus fluorescent overhead lights, Ives says he is never "in the dark about my work." The spots point the light "right on the job", while the ceiling

lights take out the shadows.

The one-time mechanic has been repairing radiators for the past seven years because, "I felt there was a need for it. Most garages didn't have the time or equipment."

In addition to repairing, Ives says he has built special radiators for hot-rods and racers. His business is served by the Shelby Electric Cooperative of Shelbyville.

REA Loans To Heavy-Up Lines To Get Top Priority, Nelsen Says

REA loans for heavying-up electric co-op lines will be given top priority, REA Administrator Ancher Nelsen told a group of 60 Illinois co-op directors and managers May 19, in Washington, D. C. The Illinois delegation called at the REA office to get acquainted with the new administrator.

Nelsen stressed that the number one problem of the government today is to insure the economic stability of the nation. The REA lending program, he said, will have to be guided accordingly.

The new administrator also said that electric co-ops and private power companies can work together in promoting a stronger rural electrification program.

Carry Out Policies

He said his job was to see that the policies set by Congress were carried out. "It is my duty to make sure loans are feasible. That they will be repaid. We can't make all the loans we're asked to, but we shall do our best."

Nelsen said that in his opinion, the right of electric systems to borrow from REA for generation and transmission facilities, will be con-

tinued. "I don't think farmers should be denied the right to generate their own electricity, if it is necessary," he added. "However, co-ops should use existing power sources, if they are available."

Robert Farrington, acting director of the Agricultural Credit Services, was also present at the meeting.

House Committee Recommends \$135 Million For REA

The House Appropriations Agriculture subcommittee recommended, May 14, \$135-million in new REA loan funds for 1954. This increased the request of Secretary of Agriculture Ezra Benson by \$40-million.

With a carryover of \$25 in 1953 loan authorizations, there will be \$160-million available for REA to loan electric cooperatives. Also the House committee approved a contingency of \$30-million to be used by REA if needed.

The total available for REA loans next year would be \$190-million which is \$104-million under the recommendations made by the National Rural Electric Cooperative Association. It had based its recommendations on a survey which it made of rural electric systems throughout the nation.

The subcommittee approved \$50-million in loan funds for the rural telephone program.

Committee recommendations go to Congress for approval.

Illinois now has more than 100 soil laboratories testing over a million acres of farm land each year.

Lindane seed treatment is the best known to date to reduce wireworm damage in cornfields.

Washington Report

By William S. Roberts

ON May 11, REA celebrated its 18th birthday at which time it was announced that the agency had loaned close to \$3-billion for rural electrification to more than 1,000 borrowers in 46 states. This program is probably the best investment the government has ever made, and yet the storm clouds are now blowing up in every direction.

While the number of farms electrified has leaped from close to 11 per cent to over 90 per cent, REA's first 18 years may well have been the easiest. There are still serious problems ahead.

The first problem is the half million farm families, scattered throughout almost every area of the country, who are still forced to use kerosene lamps, wood stoves and hand pumps. These people probably need electricity more than most others to increase productivity of their land, and yet they stand the smallest chance of obtaining that power at reasonable rates.

Secretary of Agriculture Benson has asked for \$40-million less for REA new loans for next year than Harry Truman requested.

Faced with Problems

Another factor is the tremendous, unprecedented demand for electric power by the farm people who do have electricity. Meeting this demand turns up two more problems facing America's farmer-owned rural electric systems: Building heavier lines and getting more power.

In line building, the co-ops are in for a hard time. High costs are go-

ing to make heavying-up and new construction a real burden for some systems.

Line construction costs have soared. A co-op used to put out \$720 per mile of line. In 1951 it went to \$1,909 per mile and in 1952, the cost shot up to \$2,056.

Good management and loyalty of farm folks can help co-ops measure up to these problems, but an even more important issue is the right of farmers to generate and transmit power for themselves through REA loans. Here the farm members will have little to say.

Legal actions by private power companies have harassed REA and the farmer-owned co-ops for three years trying to prevent the government from making these loans in the face of continuous evidence that the systems are good risks in borrowing money from the government and repaying it promptly.

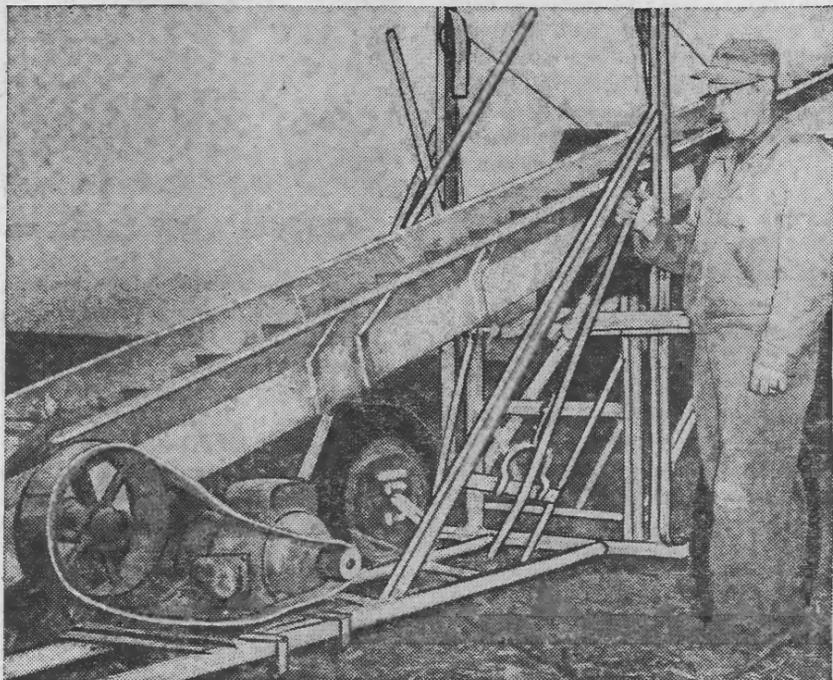
G & T Loans Decline

Generation and transmission loans from REA dropped 16 per cent since 1952 due to this harassing action further slowing power development to meet current shortages.

Last but not least is the serious problem facing rural electric systems in their loan repayments. To help get co-ops underway, the government allowed them to defer payment from two to five years on loans and we are now entering the period when all loans are coming due.

In 1948 the co-ops paid REA \$31-million and in 1952 they paid \$49-

(Continued on Page Sixteen)



HOMEMADE ELEVATOR, mounted on rubber wheels was made by A. L. Meador of Mt. Carroll. He says the elevator is portable and can be hauled from job to job on his farm.

"It's one of the handiest pieces of

equipment we have on the place." Meador made the elevator out of spare and junk parts. Robert Wand of the Jo-Carroll Electric Cooperative of Elizabeth shows how he

"levers" tension into the pulley.



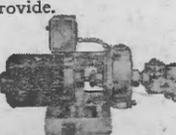
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Home-makers' Page

Edited by Kay Conlan

Headliners For Warm Weather Menus

WHEN the warm weather arrives, and appetites seem to lag—it's the signal that the time has come to dig into your recipe files for a new headliner for your menus. The whole family will undoubtedly hot-foot it out to the kitchen to be on hand for "just a taste" of the new biscuits, casserole dish or soufflé from the oven.

In the case of a casserole, usually much of the preparation can be done ahead of time and it's a boon to busy mealgetters.

This flavorful Chicken Pie meets casserole specifications. You can prepare the chicken-and-sauce mixture early, and mix the biscuit dough beforehand. Store both in the refrigerator. Then, later, roll out the dough, cut the biscuits, and arrange them on top of the chicken mixture. Baking time is only about 20 minutes.

If you're lucky enough to have chicken stock stored in your refrigerator, use it by all means. It's rich with good chicken flavor. If not, you can use chicken bouillon cubes for the sauce.

If you use fresh mushrooms, wipe the caps and stems with a damp cloth, and slice them from top to bottom. Cook them lightly in a small amount of butter in a heavy skillet. They go well with the chicken.

Biscuits are a natural with chicken, and you'll like the appearance of this dish with the golden biscuits on top. The chicken sauce is good spooned over the biscuits.

Chicken Pie

2 cups coarsely chopped cooked chicken
 1/2 cup mushrooms
 2 cups thickened chicken stock or
 2 cups medium white sauce
 Salt and pepper to taste

Combine ingredients and pour into greased one and one-half quart casserole. Place biscuits on top and bake in hot oven (450°F.) 15 to 20 minutes.

Biscuits

2 cups sifted flour
 3 teaspoons baking powder
 1 teaspoon salt
 2 to 4 tablespoons shortening
 2/3 to 3/4 cup milk

Sift together flour, baking powder and salt. Cut or rub in shortening. Add milk to make a soft dough. Turn out on lightly floured board and knead gently 30 seconds. Roll out one-half inch thick. Cut with floured biscuit cutter or knife and place on top of chicken mixture. (Extra biscuits may be baked on ungreased baking sheet.) Bake in hot oven (450°F.) 15 to 20 minutes. Serve with buttered celery.

Upside Down Salmon Bake

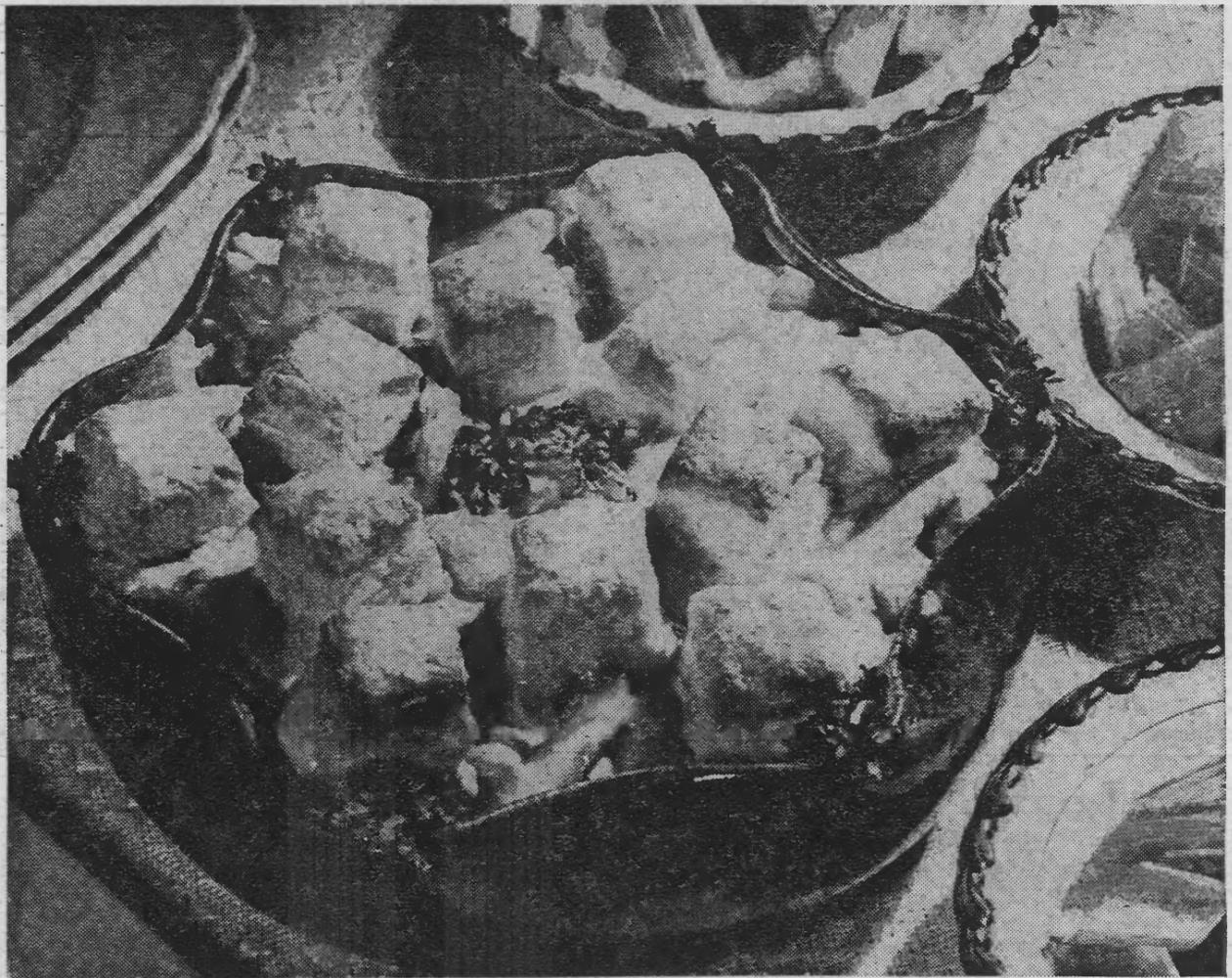
1 cup flaked salmon (7 ounce can)
 1/2 cup chopped green pepper
 1/4 cup milk
 1 tablespoon lemon juice
 1 tablespoon chili sauce
 1/4 teaspoon salt
 Onion biscuits

Combine salmon and green pepper in bottom of one-quart casserole. Add milk, lemon juice, chili sauce and salt and mix well. Drop Onion Biscuits on top.

Onion Biscuits

1 1/2 cups sifted flour
 2 teaspoons baking powder
 1/2 teaspoon salt
 1/4 cup shortening
 1/4 cup chopped onion
 3/4 cup milk

Sift together flour, baking powder



CHICKEN AND biscuits, that old good-taste team, combine to produce flavorful Chicken Pie.

and salt. Cut or rub in shortening until mixture is crumbly. Add onion and mix lightly. Add milk to make a drop batter, stirring until well blended. Drop by spoonfuls on salmon mixture, spreading evenly. Bake in hot oven (450°F.) about 15 minutes. Turn out upside down on serving plate and serve with cheese sauce. Makes four servings.

Little Veal Pies

1/4 cup flour
 1 teaspoon salt
 1 cup cold chicken broth or bouillon
 1 cup hot chicken broth or bouillon
 1 cup cooked peas
 3/4 cup diced cooked mushrooms
 2 1/2 cups diced cooked veal
 6 small onions

Crust

1 1/2 cups sifted flour
 1/4 teaspoon baking powder
 1/2 teaspoon salt
 1/2 cup shortening
 5 to 6 tablespoons ice water

Garnish

18 small sprigs of parsley

Mix together flour, salt and cold chicken broth or bouillon to form a smooth paste. Add to hot chicken broth or bouillon and cook over low direct heat until thick and no starchy taste remains. Stir constantly. Add peas, mushrooms and veal; continue cooking for about two minutes longer or until vegetables and meat are heated through. Parboil onions for 10 minutes. Place one onion in each of six well greased heat-resistant glass deep pie dishes. Fill with veal mixture.

Crust

Sift together flour, baking powder and salt. Cut in shortening until it is the size of peas. Add ice water a little at a time, mixing only enough to hold ingredients together. Place dough on lightly floured board and

roll to about one-eighth inch thickness. Cut six circles the size of the top of the deep pie dishes. Gash circles of dough to allow steam to escape. Place circles on top of veal filling. Bake in hot oven, (425°F.) for about 25 minutes or until crust is browned. Garnish with parsley for serving.

Crispy-top Cheese Soufflé

2 tablespoons butter or margarine
 2 tablespoons flour
 2 cups milk
 1 1/2 cups grated American cheese
 2 1/2 cups corn flakes
 4 eggs, separated
 1 teaspoon salt
 1/2 teaspoon dry mustard

Melt butter, add flour, and stir to a smooth paste. Add milk gradually, cook over low heat, stirring constantly, until thickened. Add cheese and stir until melted. Crush two cups of the corn flakes slightly, add to cheese sauce. Beat egg yolks with salt and mustard. Stir hot mixture gradually into the yolks. Beat egg whites until stiff and fold in cheese mixture. Turn into two quart casserole. Sprinkle remaining one-half cup corn flakes around edge of casserole. Bake in a slow oven (350°F.) about 50 minutes.

Apple Walnut Bread

1 1/4 cups sifted enriched flour
 2 teaspoons baking powder
 1/2 teaspoon baking soda
 1 teaspoon salt
 1 teaspoon cinnamon
 1/4 teaspoon nutmeg
 1/8 teaspoon allspice
 1 1/2 cups whole wheat flour
 1 cup broken walnut meats
 3/4 cup chopped apple
 1 egg, slightly beaten
 3/4 cup brown sugar, firmly packed
 1 1/2 cups buttermilk
 2 tablespoons shortening

Mix and sift, flour, baking powder, baking soda, salt and spices. Add whole wheat flour, walnuts and

apple. Combine egg, brown sugar buttermilk and shortening, add, mix just enough to moisten dry ingredients. Do not beat. Turn into well-greased loaf pan. Bake in moderate oven (350°F.) one hour.

Spanish Rice Pronto

1/4 cup bacon drippings, margarine, or butter
 1 medium onion, thinly sliced (about 1/2 cup)
 1/2 medium green pepper, diced (about 1/2 cup)
 1 1/2 cups packaged pre-cooked rice
 1 1/4 cups hot water
 2 cans tomato sauce
 1 teaspoon salt
 Dash of pepper
 1 teaspoon prepared mustard, if desired

Melt fat in saucepan. Add onion, green pepper, and rice, and cook and stir over high heat until lightly browned. Add water, tomato sauce, salt, pepper, and mustard. Mix well. Bring quickly to a boil. Cover tightly, lower heat, and simmer gently 10 minutes. Makes four servings.

Garden and Stream Salad

4 ounces elbow spaghetti
 1 cup flaked salmon (8-ounce can)
 2 hard cooked eggs, diced
 1/4 cup sliced radishes
 2 tablespoons chopped green pepper
 1/2 teaspoon salt
 Dash pepper
 2 tablespoons mayonnaise
 2 tablespoons French dressing
 1 teaspoon prepared mustard

Cook spaghetti in boiling salted water until tender (about eight minutes). Drain and rinse with cold water. While spaghetti is cooking, combine salmon, eggs, radishes, green pepper, salt and pepper. Combine mayonnaise, French dressing, onion juice and prepared mustard, mixing until well blended and smooth. Add cooked spaghetti to salmon mixture, mixing well. Pour mayonnaise mixture over all and mix lightly, but thoroughly. Serve on crisp lettuce leaves. Makes four servings.

If You Like To Crochet, Knit Or Sew . . .

Here Are A Group of Free Patterns To Keep Needles, Hooks Busy

Summer time is a busy time for farm homemakers. However, we doubt whether any of the handiwork enthusiasts are ever without a sewing, knitting or crocheting project. Perhaps there is a pattern on our list this month you would like to order.

As always, our pattern leaflets are available without charge. All you have to do is send a clearly SELF-ADDRESSED and STAMPED envelope (the larger size, if possible) for every THREE pattern leaflets you are requesting.

The expiration date on these patterns is July 10, 1953. In other words, requests will be filled on all orders postmarked before July 10, 1953.

1. **BARBARY COAST BEDSPREAD** is crocheted in hexagonal motifs and these motifs are joined to make this spread beautiful. Instructions are included for a single bed size as well as the double bed size.

2. **LACE PLAQUE**, shown above, measures 27 inches in diameter. Instructions are also included to make it in an 18 inch size which would be ideal for a luncheon set. Also, the 11 inch size, perfect for a lovely doily.

3. **COLLAR AND CUFF SET**—the tatted edging on a crisp collar and cuff set is like the delicate freshness of Spring. Included on this pattern leaflet are instructions on how to do tating—making the stitches, how to wind a shuttle, and how to use a ball thread with a shuttle.

4. **CABLE STITCH SWEATER**—a handsome man's sweater which allows absolute freedom of movement. It can be knitted in any color and the pattern includes instructions make the sweater in sizes 38, 40 and 42.

5. **HAT AND GLOVES** are both easy to make. The floppy cloche is made from rounds of single crochet and the brim is made of loops of three strand cotton. The gloves, also three strand cotton. The gloves are tasselled at the cuffs.

6. **UTILITY BAG**—if you have been using a makeshift knitting and crocheting bag for your materials, set aside a few hours and make yourself an attractive, roomy and durable utility bag. The diamond-like pattern of shell stitches in contrasting colors makes a beautiful bag, and it is roomy—18 inches wide.

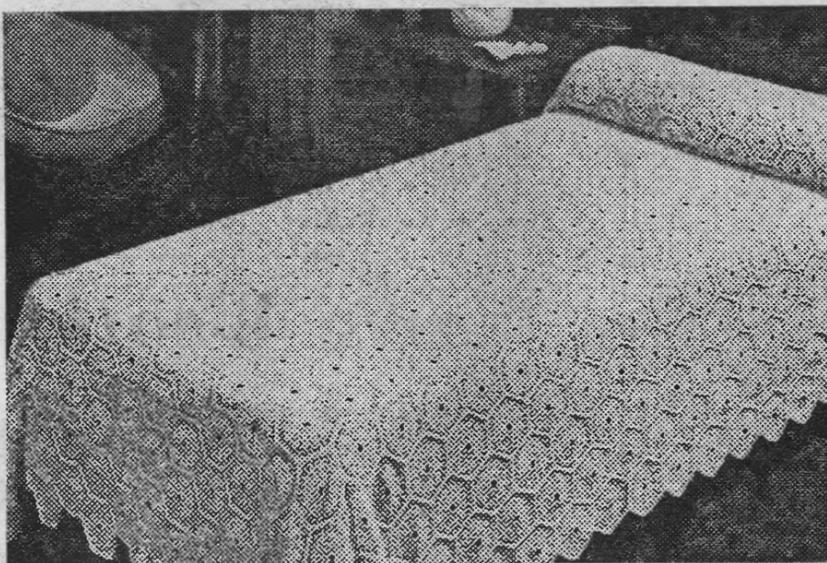
7. **CROCHET VEST**—to add a flattering dash of interest to the classic blouse and shirt combination. Crocheted vests are particularly popular because they have the bulky, textured effect.

8. **BEDROOM ENSEMBLE**—of striped pique and denim. Striped fabric is used for the ruffle valence on the drapes, the side skirts of the spread and the ruffle on the pillow sham. The pattern leaflet contains cutting diagrams and sewing directions for making this set.

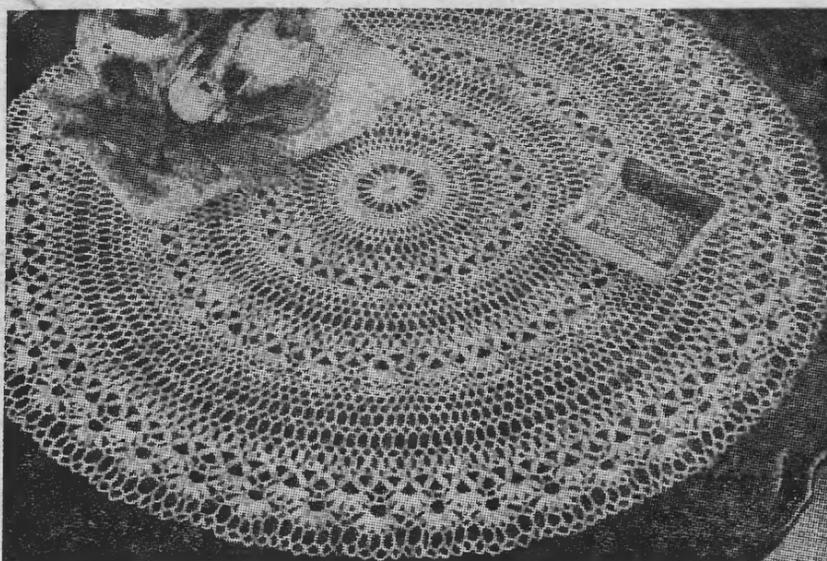
OTHER LEAFLETS

We have available—until our expiration date on the coupon of July 10, 1953—several "how to do" pattern leaflets from our **HERE'S AN IDEA SERVICE**. To order one or all three of these leaflets, please send a stamped, self-addressed envelope.

The leaflets are:
 Beginner's Crafts
 Making Figurine Lamps
 Table Decorations For Bridal Showers



1. Barbary Coast Bedspread



2. Lace Plaque



3. Collar And Cuff Set



4. Cable Stitch Sweater



5. Hat And Gloves



6. Utility Bag



7. Crocheted Vest



8. Bedroom Ensemble

Pattern Order Coupon

Kay Conlan
 ILLINOIS REA 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.....Barbary Coast Bedspread | 5.....Hat and Gloves |
| 2.....Lace Plaque | 6.....Utility Bag |
| 3.....Collar and Cuff Set | 7.....Crocheted Vest |
| 4.....Cable Stitch Sweater | 8.....Bedroom Ensemble |

My name is.....

Address.....

Comment (if any).....

.....

.....

This coupon EXPIRES July 10, 1953. Orders should be in before that date.

How To Watch Television In Comfort

Is watching television hard on the eyes? That question launched a study of televiewing and led to the discovery that televiewing is no more harmful to the eyes than reading, sewing, studying or watching the movies, provided TV owners bear in mind that correct seeing conditions are a "must" for televiewing as for any other visual task.

The study shows exactly what it takes to make televiewing as easy on the eyes as it is entertaining. Correct viewing habits, adequate lighting and a properly-tuned and well-adjusted set all contribute toward making televiewing completely eye-comfortable.

TV Room Lighted

A dark room is to be strictly avoided. This warning from the study is accompanied by a full explanation of why TV should be watched in a properly-lighted room, and what constitutes a properly-lighted room for televiewing.

If the room is dark, the pupils of the eyes try to adjust in size for the darkness of the room and the brightness of the screen. This can't be done, so the eyes struggle for a compromise. The result is eyestrain.

Much emphasis is placed on the fact that looking at television is not like looking at the movies. From the standpoint of eyesight, there is no comparison between the two. Here's why.

Because the screen in a motion picture theater is many feet square and the picture is relatively low in brightness, the theater of necessity is dimly-lighted. In a home, however, the television screen is measured in inches and the picture tube is about 10 times brighter than a movie screen. Therefore, if one knows what's good for one's eyes, the television screen should be viewed in a room where there is enough general lighting to reduce the contrast



between screen and room background.

Placement of Lamps

Many of the lamps one now owns are acceptable—provided TV owners will take the following few hints about what to avoid in placing and choosing lamps for televiewing:

Avoid placing lamps so that they are reflected from the screen back into the eyes. To confirm that such disturbing reflections have been eliminated, this simple test can be made: With the TV set "off", sit in all the various viewing positions in the room. If the lighted lamps can be seen reflected in the darkened screen that same brightness will remain as

an annoyance when the set is "on". Then, either a rearrangement of lamps or viewing positions must be made.

Avoid placing lamps in front of and so close to the TV set that light coming under or through the shade falls directly on the screen. Such improper placement will "fade" the picture.

Avoid lamp shades that are brighter than the screen, especially when they are within the line of vision. Opaque shades are usually preferable.

Background Lighting

When the wall which forms the background for the TV receiver is

a dark color, particular attention should be paid to the lighting of this area. Background wall-lighting can be accomplished by concealing a lamp bulb behind the television set, or by placing on the set a TV lamp so designed that it directs the total output of light toward the dark wall and none into the viewer's eyes.

One such TV lamp is described as a TV planter lamp of shell-shaped pottery with container for foliage or flowers in the front portion and with a light bulb completely hidden from view by the shell. Another lamp resembles a "set" of colorful leather-bound book backs which form a curved shield for a three-way light bulb. TV lamps of this type, in addition to general room lighting, create a lighted wall area without introducing reflected brightness in the screen.

Viewers Position

Children should be encouraged to sit at least four feet away from the screen. Adults should keep their distance too. Although no hard and fast rule is laid down, it is suggested that most adults will find the most comfortable location about eight to twelve feet from the screen.

Sit as directly in front of the TV screen as possible. There may be considerable distortion of the picture, especially in older sets, if viewed from too great an angle.

Periodic glances away from the screen are also recommended, to relax eye muscles from the strain of concentrating and focusing on one small area.

Hints for comfortable tele-viewing also include these reminders: Make sure that the set is properly tuned in and correctly adjusted. It is recommended that the set be checked periodically, because a flickering pattern and a dull picture makes extra work for the eyes.

★ ★ ★

★ ★ ★

★ ★ ★

New Trends In Home Appliances

A sewing machine manufacturer has just put on the market a new kitchen cabinet model in eight beautiful colors, as well as maple and white—the same width, height, and depth of standard home kitchens—a companion for the modern refrigerator, range and counter cabinets of today's kitchen. The top, and hardware match the kitchen units.

Now the modern housewife can make all of her drapery and slip covers while keeping an eye on the



pressure cooker. For the newly-wed, who is experimenting in the culinary arts, timing her meals can be done with ease as she uses the sewing machine.

The kitchen cabinet model sewing machine comes into its own on washday, too, when rips and tears can be repaired immediately without having to make a trip to another part of the house. This cabinet sewing machine is perfect for kitchen or utility room.

Opens Easily

Opening and closing the machine is done simply and quickly and, in addition, it provides a grand extra table top that can be used for chopping salads and many other kitchen chores. Another feature is that cleaning up scraps of material and thread from a hard surface kitchen floor is so much easier than having to get out the vacuum cleaner to go over the carpet.

Industry is continually developing products for the homemaker's ease and convenience which will permit her to participate more and more in her community and family activities. We have the refrigerator, range, deep freeze, dishwashers, automatic washing machines and dryers, and now we add the perfect companion to concentrate and make more simple the mending and repairing and the making of clothing in the kitchen sewing machine.

All scientific research these days is not confined to jet planes and space ships. Modern industry is spending lots of time to design appliances that will shorten many of the time-consuming chores about the house and make them easier to perform. Another innovation for the kitchen is a new oven that is almost as easy to clean as washing a dish.

A manufacturer has created a new and advanced quick-clean oven for deluxe electric ranges. The new ovens are designed so that all component parts, including the shelves, drip pan and the shelf guides, can be easily and quickly removed leaving the interior unobstructed for cleaning. Even the sealed Radian-tube heating units can be removed. The oven interior is constructed with smooth rounded corners and the porcelain-finished surface is ideal for easy cleaning. Moreover, there are no cracks or crevices to catch grease and spill-overs.

Two Units

Heat for these new quick-clean even-heating ovens is supplied by two oven units, one in the top and the other in the bottom. The upper unit is equipped with a reflector plate for intense heat reflection. The lower unit is equipped with the new angle-mounted units set in a drip

pan which protects the floor of the oven from spill-overs. Each side of the oven is provided with removable shelf guides, providing six different shelf positions. The cushioned door seal around the oven opening lets the door close quietly and helps maintain constant oven temperatures. An automatic light illuminates the oven while the door is open.

Ordinarily all that is necessary to clean one of these new quick-clean ovens is hot soapy water and a cloth.





ILLINOIS ELECTRIC co-op leaders, who were aboard the American Airlines DC-6 for the return flight from Washington, D. C. to Chicago following a dinner meeting with Illinois Congressmen, May 18, included, Fred Harms, E. Clyde Lewis, L. C. Groat, Norman McCoy, W. L. Walker, Arthur Peyton, John Sargent, Alva Mixer, Ernst Hild, G. Wayne Welsh, Carl Bloome, Homer Brown, Howard Bell, and A. E. Becker.

More REA Loan Funds

(From Page Three)
 tian Electric co-op of Steeleville, told of the concern that most directors have in keeping their cooperatives on a sound, financial basis. Damon Williams, manager of Norris Electric of Newton, related how his cooperative had to turn down 50 large power loads because the Norris system lacked the capacity to handle them. To take care of such loads, the co-op will need more REA loan funds. The investment, he said, will mean a sounder financial footing for the entire electric system.

Wholesale Rates

V. C. Kallal, manager of Southwestern Electric of Greenville, said that his co-op foresees no difficulty in repaying its loan obligations to REA if wholesale power rates do not go up. "A mill or two increase in a co-op's wholesale rates might mean the difference between success or failure," he stressed.

Fred Harms, director of Rural Electric Convenience of Divernon, told of the need for adequate office facilities in the efficient operation of a cooperative.

Joseph Heimann, manager of Clinton County Electric of Breese, spoke on the need for future credit with REA so that cooperatives are able

to replace their plants when they become obsolete. "I don't think many co-ops will have enough funds of their own to do that job," he said.

Raymond Pitchford, president of the Illinois Statewide Power Cooperative, told how the power companies reduced their wholesale rates to Illinois cooperatives in 1949, when they learned that an application for a generation and transmission loan had been submitted by co-ops.

He added, that the REA Act gives this right to farmers. "But how can we get such loans, if Congress does not approve adequate REA loan authorizations?" he asked.

Not One Delinquent

John Sargent, state director of the National Rural Electric Cooperative Association, said that not one co-op in Illinois is delinquent in its repayments to REA and that every co-op wants to repay its loans. "But our margins do not provide sufficient funds to meet emergencies. We need credit with REA," he said.

L. T. Clevenger, manager of Southeastern Illinois Electric Cooperative of Harrisburg, described the inadequacy of power company transmission lines in southern Illinois. He said southern Illinois co-ops must go to great expense to build transmission lines to power companies in order to get electricity. He added that there is not a single generating plant south of Hutsonville in southeastern Illinois.

William M. Planert, director of Southern Illinois Electric of Dongola, said that any increase in the wholesale power rate will have to be passed on to co-op members. He said the right of co-ops to g. and t. loans puts the competitive element in the rural electric business.

Keeps Youth on Farm

Everett R. Read, director of Jo-Carroll Electric of Elizabeth, said that rural electricity is helping to make farm life attractive to youth and keeping many of them in farming who would otherwise drift to the cities.

G. Wayne Welsh, director of McDonough Power Cooperative, Macomb, said, "Unless we can get fair wholesale power rates from the private companies and have sufficient credit with REA, Illinois electric systems are going to be in bad shape."

Need for REA loans to finance the building of rural telephone systems was described by George Endicott, manager of Southern Illinois Electric.

State Association President Clay Trimble presided at the meeting.

In short remarks at the conclusion of the meeting both Senators Douglas and Dirksen expressed deep interest in the problems of rural electrification in Illinois.

Senator Douglas said that "rural electrification has been a boon to the farmer both in his home life and in his work. Electricity not only pays for itself on the farm, but also produces a much better way of life."

Douglas said he would support the right of electric co-ops to borrow from REA for generation and transmission facilities. He complimented Illinois co-ops on their repayment record.

Senator Dirksen said he formerly used to feud with REA because he was not then sure that "the pattern was o.k. "I am just as interested in REA as anyone," he said.

He warned that the "pattern" must be kept sound because, "if a co-op loan should turn sour in any part of the country, it would hurt the whole REA program."

He told the Illinois group they had nothing to fear from the "power lobby" nor from the reorganization of the Department of Agriculture. "REA is an accepted fact in our nation."

Dirksen said he appreciated the problems of rural electric co-ops and thought funds should be earmarked for system replacements and heavy-ing-up of lines. He added: "You have a big responsibility in maintaining a sound rural electrification program. I'm sure you will do well."

New Equipment

(From Page Eight)

six per cent to swing the purchase of the new truck.

On the chart, the figures give this picture:

Cost Factors (per year)	Defender (5-year-old truck)	Challenger (new truck)
Depreciation	\$200	\$400
Overhaul	200	0
Fuel costs	180	162
Maintenance	150	40
Interest	0	120
Taxes, insurance	70	95
Adverse totals	\$800	\$817

In this close decision, the old truck noses out the Challenger by a mere \$17. The decision turns on the fact that Jackson has to borrow the \$2000. If he had the money in the bank drawing only 2 per cent, the decision to buy now would win out by \$63.

A single wrong decision when alternatives are so close won't break any farmer, but most of the decisions are not that close. And there are a lot of these decisions: On electric appliances, a repair shop, a welder, irrigation equipment, and dozens of similar farm production equipment.

Then there are the decisions as to what particular make or type of new equipment to buy, questions which can be resolved by pitting one potential purchase against another as the new has been pitted against the old here.

The Terborgh approach requires some difficult digging to make certain that working figures are sound, but industry has learned that the digging pays off well in a competitive economy which makes antiquated and unreliable replacement policies disastrous.

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Box 2, Peoria Heights, Illinois

Gentlemen: I am interested in a free home demonstration of a Singer.

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 City..... State.....

Never a Dull Moment

(From Page One)

from all appearance was lifeless. "The first thing I thought of was to give him artificial respiration," he relates.

"I got him down on the pavement and started to work on him. I'm not as young as I used to be and I started to tire, but none of the bystanders offered to take over. They said they didn't know how."

It took 30 minutes to bring the man to, Buck explains. He credits the monthly safety meeting for preparing him for this moment. "I'm only thankful that I was there to help," he says, "I only did what I knew."

Buck's chief duty is to help co-op members have the safest wiring possible. So, when he inspects a place, he goes over it very thoroughly, making notes of what he considers hazards. He gives a copy of this report to the member and turns in one to the office.

"The members are very appreciative of the comments," Harlow explains, "and usually correct the trouble. This is one type of work I really enjoy," he adds.

Allen Reporting—

(From Page Two)

this risk is actually carried by the utility customers."

"There is grave doubt in our minds as to the propriety of issuing tax amortization certificates to the regulated utilities in the first place. Now that the certificates have been

issued, tax savings represented by these certificates should be passed on to the consumers in the form of lower rates; otherwise the customer is twice penalized.

"He pays, in his individual taxes during the five-year period, a fraction of the amount that the utilities would have paid in income taxes. In addition, he, in effect, makes an involuntary and interest-free capital contribution to the company. Congress did not intend to provide a windfall for anyone.

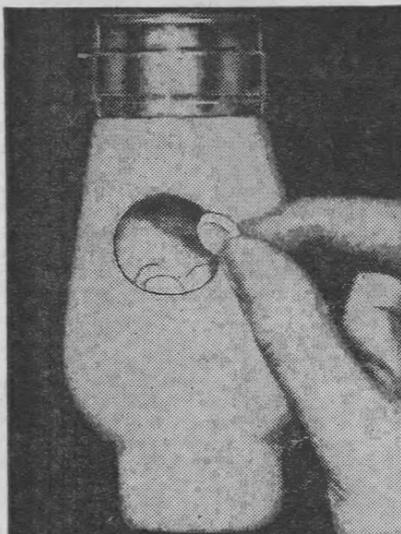
"We submit this statement with the request that the committee investigate the practices, procedure and standards which have been followed by the defense agencies in granting accelerated depreciation allowances. We strongly suspect that the law has been stretched far beyond the original intent of Congress."

Washington Report

(From Page Eleven)

million. However, based on loans coming due in the next four years they will have to repay REA a whopping \$92-million in 1956. The amount co-ops had due leaped \$18-million in the last five years but it will skyrocket with an increase of \$43-million in the next five years.

What's New?



An insect-killing, electric light bulb vaporizes pellets which are inserted in a groove in the lamp. The manufacturer claims that the vapors given off in a room, chicken house or barn will remain for a period longer than two weeks.

The vapor is Lindane which is claimed to be more potent than DDT yet safer. The device is made by Insect Controls, Inc., 20th and Market streets, Philadelphia. It is called, Champ Insect Bulb and sells for

REA Approves Loan Funds For Three Illinois Co-ops

Three Illinois electric cooperatives have had loans approved, the Rural Electrification Administration announced. They are: The Clay Electric of Flora, Southeastern Illinois Electric of Eldorado, and Farmers Mutual of Geneseo.

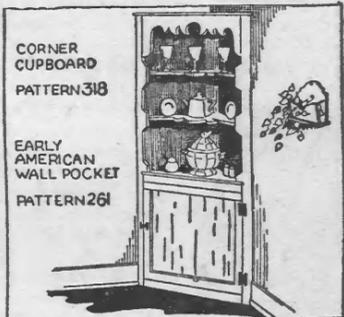
Clay received a loan approval of \$275,000 which will be used to build 45 miles of line to serve 115 members, for system improvements, and to build 15 miles of tie-line.

Southeastern received \$500,000 to build 40 miles of line to serve 255 members, for system improvements to construct 23 miles of transmission line and 31.6 miles of tie-line.

Farmers Mutual's loan of \$72,000 will be used to build 12 miles of line serving 16 members, for system improvements, and for reimbursement of general funds.

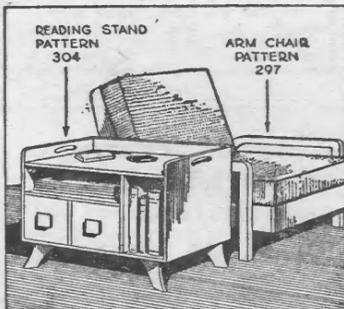
\$2.98 including two packages of pellets. Pellet refills are 49 cents a dozen.

When writing the manufacturer of a What's New? product, please mention you saw it in your Illinois REA News. Thanks.



CORNER CUPBOARD

No great skill is needed to make this one if you use a pattern when cutting out the parts. Just use a coping saw for the scalloped frame and an ordinary hand saw for the other parts. Then follow the directions on the pattern for assembling and finishing. See sketch for pattern numbers; price is 25c each.



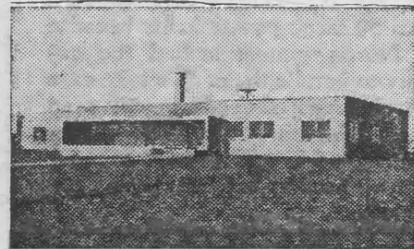
READING STAND

This set makes a perfect combination for comfort and convenience. Patterns give tracing diagrams for shaped parts; picture-directions for making the drawers and cushions; assembling and finishing. See sketch for pattern numbers. Also ask for pattern 378, showing how to make 34 basic wood joints. All patterns are 25c.

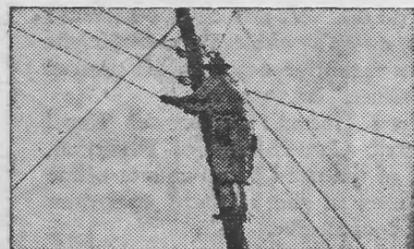
Order Patterns From—
Workshop Pattern Service
Illinois REA News
Bedford Hills, New York



Mr. Steve Schauwecker, Manager, Three Rivers Electric Co-op, Linn, Missouri, says:



THREE RIVERS ELECTRIC CO-OP utilizes many Kaiser Aluminum Field Services including: careful inspections of installations, stringing assistance, first-hand demonstrations of improved techniques to help cut costs.



IMPORTANT ADDITIONAL SERVICES are offered to Three Rivers Co-op by Kaiser Aluminum engineers who provide sag-and-tension charts on request, hold meetings with crews, provide practical solutions to individual problems.

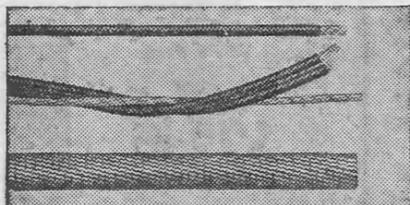
"Kaiser Aluminum takes sincere interest in our problems!"

"ONE REASON why Kaiser Aluminum service is invaluable to us is the sincere interest they always take in our particular problems.

"For example," says Mr. Schauwecker, "during the early part of the controlled materials program, they pitched in and helped us obtain adequate

supplies of both aluminum conductor and accessories, where and when they were needed.

"Today, we often take advantage of Kaiser Aluminum service because we feel that no other supplier gives us better service or more personal attention."



In addition to long-accepted ACSR and all aluminum conductor, the following sizes of Kaiser Aluminum Neoprene Conductor are accepted by REA:

- 26 Solid All-aluminum . . . 3/64" Neoprene Covering
- 24 Solid All-aluminum . . . 3/64" Neoprene Covering
- 22 Solid All-aluminum . . . 3/64" Neoprene Covering
- 24-7 Strand All-aluminum . . . 3/64" Neoprene Covering
- 22-7 Strand All-aluminum . . . 3/64" Neoprene Covering
- 21-7 Strand All-aluminum . . . 4/64" Neoprene Covering
- 21-0-7 Strand All-aluminum 4/64" Neoprene Covering
- 23-0-19 Strand All-aluminum 4/64" Neoprene Covering

Also, Kaiser Aluminum Neoprene covered Triplex self-supporting cable was the first conductor of its kind to meet the standards of REA!

For better installations at lower cost—specify Kaiser Aluminum!

The complete Field, Engineering and Laboratory services of Kaiser Aluminum are available to you at no obligation when you specify Kaiser Aluminum conductor. Request free pamphlet giving complete engineering data on new Kaiser Aluminum covered conductor—both weatherproof line wire for secondary distribution lines and self-supporting Triplex cable for service drops.

Contact any Kaiser Aluminum office in principal cities, or one of our many distributors. Kaiser Aluminum & Chemical Sales, Inc., Oakland 12, California.

Kaiser Aluminum

Setting the pace . . . in growth, quality and service

NEOPRENE COVERED CONDUCTOR, SOLID AND STRANDED
SELF-SUPPORTING TRIPLEX CABLE • ACSR • ALL ALUMINUM CONDUCTOR

Your Co-op Newscolumn

NEWS FROM Norris Electric Cooperative

Newton, Illinois
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. Harry Beavers, Newton; Joe Ware, John Tabb, James Thompson, or Gene French, at Newton; Francis Smith at Claremont, or Freeland Swarens at Lawrenceville.

A great deal of work has recently been done in revamping the secondary system of the cooperative power lines in the village of Yale. Transformers were changed and relocated. Many changes were made in services and secondary underbuilds.



Like any other wiring system which has become overloaded the remedy is to shorten the circuits, add more circuits, and use heavier wiring. Since this work has been completed we know of no service in Yale where good voltage is not being delivered.

Due to the increased use of electricity, several villages have in the past had their secondary wiring systems revamped. The next one done will be Ingham for which the staking sheets have been drawn up. A close check showed that in most parts of the village the voltage conditions were not too critical.

FFA AND 4-H WORK

During the past month our electrician adviser, Carl A. Mitchell, has spent some time with Paul Walker of Newton High School and his high school senior class of FFA boys. The principal topic for discussion was "Electric Motors for Farm Use".

In these meetings with the FFA boys, information and demonstrations were given pertaining to principles of motor operation, methods of reversing motors, starting and operating characteristics of different types of induction motors, proper fusing, and grounding. Most of the boys showed a keen interest in these demonstrations.

Mitchell has also been helping with the 4-H farm electricity program in Lawrence county. Work started in May with this club and is to be completed early in June.

BROKEN INSULATORS

Regardless of the cause, any interruption in electrical service is always annoying to those who need electric power during the outage. Much has been done to reduce the number of outages and also the duration of each to a minimum.

But, no way has yet been devised that will always prevent heavy lightning from interrupting the service. Birds, animals, falling limbs, and trees sometimes cause unscheduled outages by causing the hot-line wire to be grounded out. These outages cannot be avoided.

The most annoying, dangerous, and costly outages are sometimes caused by insulators that have been shot and broken by rifle bullets. Such an outage was caused about a month ago on one of our lines in the northwestern part of Jasper county. Our maintenance lineman in that area had to replace eight insulators that had been shattered by some irresponsible marksman.

Not only are such outages costly and irritating but also may sometime be the direct cause of some person or livestock being electrocuted. If the hot line wire should drop on a fence, that fence could be energized with 7,200 volts. Anyone coming in contact with the fence would then most certainly be burned badly if not fatally.

Help your cooperative, your neighbors, and yourself by trying to keep others from shooting at the insulators.

PAYMENT OF BILLS

"Don't work a good horse to death." Many of you older people often heard that remark made during your younger days when most farm jobs were being done with horses instead of machines. It was then good advice to be taken literally. It is still good advice when taken figuratively.

Because it is inconvenient for some members to come to our office, there are some banks, insurance agents, and others who will accept payments of your monthly electric bills and send them in as an accommodation to you. These bill

collectors do not receive any compensation for the time and trouble they spend in doing this.

We realize that this task may sometimes become a burden for them in their efforts of trying to help you. It is well to remember that these people appreciate your friendship and your patronage but, "Don't work a good horse to death".

If it is just as convenient for you to come to the office, or send a check or money order by mail, we are sure it will be greatly appreciated by those collectors who do this only as an accommodation to you.

PUMP ON DISPLAY

Have you seen the cut-away turbine water pump on display at our new office building? A great many people who are interested in water systems have stopped to look at it when they were in our office. It shows clearly the simplicity of design of a modern electric water pump and helps one to realize why it is that a good water system will give so many years of efficient trouble-free service.

No other piece of electrical equipment in the farm home will exceed a good water system as a labor-saving device. How long does it take you to pump 1,000 gallons of water by hand?

The electricity required to operate a pressure water system costs the average user less than 5 cents to pump that much water and deliver it through pipes without carrying it at all. Where else can you get so much a nickel?

NEWS FROM Shelby Electric

Shelbyville, Illinois
W. L. Walker, Mgr.

Office Hours—8:00 to 5:00 Monday through Friday. Telephone 1540. To report outages after 5:00, Saturday, Sunday and holidays call—Shelbyville 1227, 855, 1038, 1253, Assumption 291, 16, Stonington 4195, Pana 4333, Mode 513, Shelbyville 891, Shelbyville 589.

Since the last issue of Illinois REA News, we have visited many farm homes with the sole purpose in mind of becoming better acquainted with cooperative members. With well over 5,000 connected members in the Shelby Electric Cooperative, it will take some time to contact each member, but please do not feel that we have forgotten you if we have not yet stopped at your home.



It is surprising at the added number we W. L. Walker find have switched from the old type heated hovers for chickens to infra-red heat lamps. We failed to find one single lady who was dissatisfied with the new type of heat.

One of the newest and most modern places we visited, and worked with, is the Mr. and Mrs. Sam Toll Turkey Farm, located west of Shelbyville. Mr. and Mrs. Toll, and their son Joe, have constructed a new modern building which will be used to house the turkeys their first few weeks. All heat is furnished by infra-red, thermostatically controlled, brooder units.

Harold B. Smith, living south of Windsor, is installing a new all-metal haymaker. The hay will be dried with a five horsepower motor. Harold feels this will handle his hay crop and furnish a much better grade of feed for his dairy herd.

NICE LETTER

One of the nicest letters we have received in the last month was from Mr. and Mrs. Carl E. Rincker, living east of Shelbyville. Mrs. Rincker stated, "We have added a new electric refrigerator and an electric stove. I like my new electric range a lot better than the gas stove. We would not think of going back from electric to a gas stove. It is a real pleasure to cook with an electric range."

SUMMER COMFORT

Again, we would like to remind you of the comforts for summer living through air conditioning. A great many of the leading appliance manufacturers now make air condition units varying in size from the small room cooler to a unit which will heat or cool your entire home. These units are small enough to put in a window, or you can get the console type that fits into your home or basement.

Why not take advantage of that low kwh. rate of 1½ cents and be able to work and sleep in comfort in your home throughout the hot summer months?

NEWS FROM Corn Belt

Bloomington, Illinois
T. H. Hafer, Mgr.

We were very pleased with 129 entries in the slogan contest and are sorry that all could not win a prize. Following are the slogans selected by the board of directors after much discussion and voting in order to get the majority opinion.

We have listed all slogans in the order of selection by the board although some were not submitted by members and, therefore, not eligible for a prize.

1. "The Line With The Farmer In Mind," Eugene L. Miller.
2. "Cook, Light and Power—The Co-op Way," Earl Harrison.
3. "Electricity Doesn't Cost—It Pays," non-member.
4. "Owned and Controlled By Those It Serves," non-member.
5. "Corn Belt Electric Co-op, The Farmers' Best Friend," Charles M. Rundles.
6. "Member Owned and Member Managed," non-member.
7. "Owned By Those It Serves," non-member.
8. "Your Electric Co-op Makes It Pay To Go Electric All The Way," non-member.
9. "Private Enterprise At Its Best—The Co-op Way," non-member.
10. "Our Greatest Boon on the Farm Today Is Electric Power the Co-op Way," Mrs. Ralph Walden.
11. "C.B.E.C.—A member Owned Co-op for Electric Service," Julius Andraea.
12. "By The Flip of a Switch C.B.E.C. Electricity Is There," Julius Andraea.
13. "Electricity the Co-op Way Means Less Work and More Play," John E. Roche.
14. "Light the Way With Corn Belt Electric REA," Clifford Sutter.
15. "It Pays To Go Electric—All the Way," non-member.
16. "Perform Tasks The Easy Way—Use More Kilowatts Everyday," Mrs. Elmer Schumaker.
17. "C.B.E.C. Low Cost Electric Service For The Farm and In The Home," Mrs. Robert Clark.

METHOD USED

The board attempted to rank the slogans in the order in which the majority of them thought would be of value in promoting an understanding and appreciation of the co-op by both members and the public. This was hard to do because phrases appeal to different people in different ways. We believe that the board of directors did as good a job as could be done in making the selections.

The co-op will use the slogans which fit in well with the place where a slogan is needed. We want to thank everyone for their fine interest and thought and suggest to all members that you explain the value of the co-op to your friends.

There were several especially fine entries to the contest which could not be placed in the prize list because of their being too long to use as a slogan. The following in particular we would like to quote here for honorable mention. These were submitted by Mrs. Ralph Walden.

THE DEPENDABLE SERVANTS

We light your farm, and milk the cow,
We grind the feed, for chick and sow,
We warm your bed, your meals we cook,
And do a lot, not in the book.
So, when your bill for power comes due
Don't let it fret and worry you,
No other servant, could you pay,
To work as cheap, as your REA.
The power that helps make our U.S. great
Is not a happenstance of fate,
To help our land, both night and day
God gave us power, thru R.E.A."

FREEDOM

The Statue of Liberty holds her torch high,
Here—God may be worshipped and no one deny.
There's another "Miss Liberty" in our U.S.A.,
Bringing freedom from drudgery thru your REA.

If you are receiving electric service from the co-op in the name of a deceased member please notify your co-op at once. We will furnish you blanks on which to

give us information so that we can properly credit the capital contribution belonging to the deceased member. We will also mail you application blanks for a new membership.

The co-op by-laws provide that any membership ceases to exist on the death of a member, or the dissolution of a business, or public body which is a member. According to the law under which this co-op is incorporated, it can serve only members, therefore, when a membership ceases it is necessary to discontinue service unless a new membership is taken out. (If a membership is joint between husband and wife the living spouse is still a co-op member and may continue the service.)

A new membership now requires a fee of \$5 and a consumer deposit of \$10. The fee is not refundable but the consumer deposit will be refunded when service is discontinued and final bills paid, or after a member has established his credit by paying bills promptly for a period of three years.

Since the co-op now is assigning capital credits at the end of each year to each member it is necessary that new memberships be taken out by those using service where the former membership has ceased to exist. Otherwise capital credits will be lost.

NEWS FROM Menard

Petersburg, Illinois
Howard O. Bell, Mgr.

We have been receiving several meter cards each month which have had an additional one-cent stamp placed on them. This is unnecessary because the required two-cent postage has been paid. These meter cards were originally one-cent cards but if you look below the one-cent stamp, you will notice a small square containing this information, RE-VALUED 2c P. O. DEPT, and is evidence that the proper postage has been paid.



We know this is a small matter, but we also know that it is often very annoying when no stamps are available at the time a card can be mailed. We wish to thank these members for their intentions.

We also want to thank the members who made notes on their meter cards telling us why their kwh. usage had varied. Notes such as this, "Our bill will be higher this time because we have 12 heat lamps in use", or "We used more kilowatts this time because we have been using a tank heater," are a great help to our office personnel. Billing time is always a very busy time for them and any information that helps them with their work is greatly appreciated.

We would like to remind you again that on April 27, and continuing through September 25, the office of Menard Electric Cooperative will open at 7:00 a. m. and close at 4 p.m. Central Standard Time, Monday through Friday of each week. The office is normally closed on Saturday.

VOLTAGE REGULATORS

Voltage regulators have been purchased and delivered for installation at our Mason City and Virginia substations. Some service interruptions will be necessary to make these installations but they will be held to a minimum.

These regulators will provide a more uniform voltage condition in the areas served by these stations. They are just one more of the improvements we are constantly making to render you the best service possible.

Vacation time is here again, and as this is being written, two employees are relaxing from the daily grind. Our tree-trimming foreman, Gary Petterson is on vacation and we have heard some rumors that he is spending part of his time drowning worms on the end of a fishing line.

Office Manager, Evalena Borchert, is enjoying a trip to Arizona and is probably now in the process of getting a good suntan. Lineman Alvin Bertram spent his vacation in the eastern part of the nation, visiting as many points of interest between here and New York state as possible. Vacations are arranged so that the job of maintaining service to you can go on in an efficient manner.

NEWS FROM Southwestern Electric Co-op

Greenville, Illinois
V. C. Kallal, Manager

TELEPHONE NUMBERS

Bond County—Office, Greenville, Tel. 1025.
Office Hours: 8:00 a.m. to 5:00 p.m. except
Sundays or Holidays. Before or after office
hours, on Sundays call: Paul G. Morgan,
Greenville 796 or V. C. Kallal, Greenville 379.
Fayette County—W. E. Jones, St. Elmo 326.
Madison County—Ed Barnes, Edwardsville
1087.

A number of good reports are coming in about the improvement the new voltage regulators have made in electric service. Edward Opfer, your board member from Shobonier, says his milking equipment is operating much better than it did in the winter months.



V. C. Kallal

As mentioned in last month's column, voltage regulators have been installed at all the substations. The result is a steady force pushing the electricity to your farm at all hours of the day, no matter how much current is being drawn from the line.

This improvement is just one of many being planned to give you the best possible electric service in line with sound management practices.

ADD NEW EQUIPMENT

Nearly every day the office is notified that new equipment has been added on another farm. Frederick Schallenberg, Alhambra, wrote that he had installed a new hot water heater and milk cooler.

It is a fine idea to make a note of those big electricity users on your meter reading sheet. Pencil your note on the margin or on the back.

Equipment which causes a jump in the power used may require a different service installation. The engineering department uses that information in planning line changes.

With each new appliance you add, greater demands are put on your farm electric system. Many members are finding repairs and changes are becoming more essential.

MAKE IMPROVEMENTS

During a recent windstorm John Schmid, Shobonier, was without electric power for a while after two old, bare wires had twisted together and shorted out the transformer. Schmid quickly replaced the old wire with a new service of larger capacity. This step will save him trouble for several years.

Another improvement of putting a breaker under the meter will be of value in making future changes. Any wires that get tangled will trip the breaker which can be reset immediately after the trouble is removed. This will eliminate the need of waiting for the service truck.

A good hired hand who works with little or no attention has been one of the most noted advantages of electric equipment. Each appliance you use increases the electric bill very little compared to the convenience and help it gives.

Harold Goldsborough, Brownstown writes: "We pay no other bill that we feel we get so much for our money."

* * *

Mrs. Myrtle H. Kuhn wrote from St. Jacob, an explanation of the increase in her bill: "It was due to the fact that we have purchased a six-light electric chick brooder and an 18-cubic foot food freezer. We like our brooder fine. It sure is easier raising chicks."

Don't you agree with Mrs. Kuhn that electricity is a real helper for your farm work? Your most valuable hired hand is Willie Wirehand.

WATER SYSTEM HELPS

Probably no single electric appliance can be of more help to you than the automatic water system. If you read last month's ad in your local newspaper, you already know a water system eliminates the work of supplying the 75 tons of water 100 hogs drink in reaching market weight.

An automatic drinking cup like Lester G. Schoeck, St. Jacob, Sheridan Stokes, Ramsey, and others use will provide a fresh drink of 50 gallons of water for each cow every day.

And you ladies will be particularly interested to remember that a water system can automatically supply 500 chicks with the 24,000 pounds of water they need to reach maturity. There's no sense in carrying any more water. Let electricity do it for you.

HELP SCHOOL PROGRAM

Your cooperative has had the opportunity of helping work in several school electric programs this spring. Perhaps your high school student has mentioned studying different phases of electricity

with the aid of equipment handled by the cooperative.

The FFA students at Mulberry Grove, Greenville, and Patoka, made use of the new Vocational Agricultural kit which is being maintained by the co-op for the schools in section 21.

The Ramsey ag boys spent a day using the fusing and wiring test box. A number of you have seen it at various meetings or fairs.

A lighting demonstration developed for the Bond County Home Bureau was used by Mrs. Byron Pontious for her Farina Home Economics classes in home development and house planning.

These demonstrations are available to any school in the co-op area for class instruction. They also can make excellent programs for your club meetings. You might write to the office about such a program if you are interested.

NEW DIRECTOR

At the April meeting of the board of trustees, Ayres Buzzard was appointed to complete the term of Lem Miller, Ramsey, who recently resigned. Buzzard operates a large grain farm northeast of St. Elmo. He has been a member since he moved there in 1948.

He has been well acquainted with the rural electric cooperative program through his work in helping organize the Southwest Electric Membership Corporation at Paisades, Nebraska, in the late 1930's.

Buzzard will represent members from the eastern part of Fayette county and those living in Effingham county.

BIG SUMMER JOB

One of the busy construction jobs requiring the attention of the line crews this spring and summer is the moving of lines to make way for new roads. Many members will for the first time have some good roads built near their farms.

When you see the fences set back and electric lines being changed, you know that at last some of the tax money we pay for gasoline is being used for everyone's benefit. Those new roads are certainly worth paying that extra registration tax.

If a new grade is being cut near your farm, it may be necessary to shut the power off a short while to make changes. However, if you do not see the cooperative trucks at work, make sure you call your neighbor to see if service is out and then call the co-op number given above.

Never assume that someone else has reported trouble. Ask your neighbors and find out for yourself.

DELINQUENT BILLS

This is the official notice of a new policy concerning the collection of delinquent bills:

When your bill is not paid by the end of the month, it is considered delinquent. By the 10th of the month you will be mailed a notice reminding you that you have not paid for your power.

If you ever receive one of those blue envelopes, be sure to mail your check or money order direct to the Greenville office at once.

If you have not contacted the office by the 17th of the month, a special trip will be made to your home to collect the bill. This provides several more days waiting period than has been followed in the past, but a charge of \$5 will be made to help pay for the cost of that trip.

If you are not at home, or if you do not pay the serviceman when he is at your farm, it will be necessary to disconnect your electric service.

REQUEST RECONNECTS

Requests for reconnection should be made by mail or in person to the Greenville office. This request should be accompanied by payment in full for the delinquent bill and the \$5 trip charge.

In addition, a reconnection fee of \$2 will be made. If you want special consideration for any connection before 9 a.m. or after 4:30 p.m., or on Saturday, Sunday, or holidays, the fee has been set at \$5.

These new charges have been established to help pay some of the cost of the special attention.

HOLD SCHOOL

On May 6, about 70 ladies accepted a special invitation and attended a cooking school in the cooperative lobby. We were able to ask only as many interested ladies as space was available. This school was conducted in cooperation with Hardware and Electric Company of Greenville.

Mary Kitchen, home economist for Frigidaire Corporation, conducted the demonstration. Her presentation was entertaining and colorful as well as very educational.

In explaining the use of an electric range, she emphasized the speed and ease of cleaning modern electric ranges. She pointed out the many automatic features and then showed the ladies just how they could make good use of the surface, deep well, oven and broiler.

In a short time and with relative ease, four different meals were prepared. Mrs. Chris Doll, Pocahontas, received the broiler meal; Mrs. Huber Gruner, Greenville, received the surface meal; Mrs. Frank Schwierjohn, Pocahontas, received the deep-well meal; and Mrs. W. F.

Bauer, Greenville, was awarded the oven meal.

The kitchen used at the homemaker's school is still set up in the office. Be sure to stop in to see these new appliances. If you would be interested in attending a cooking, freezing, or laundry school, let us know at the office, and we will make sure you are invited to one.

OPERATING STATISTICS

MARCH, 1953	
Miles energized	2123.97
Revenue per mile	28.31
Total connected members	6,576
Density per mile	3.11
Average bill	9.29
Average kwh. used	308.38
Per cent minimum bills	11
Kwh. sold	2,013,403

MARCH, 1952	
Miles energized	2050.76
Revenue per mile	27.72
Total connected members	6,304
Density per mile	3.09
Average bill	8.99
Average kwh. used	293.10
Per cent minimum bills	11
Kwh. sold	1,843,623

NEWS FROM Eastern Illinois Power Co-op

Paxton, Illinois
T. M. Brady, Manager

TELEPHONE NUMBERS FOR OUTAGE CALLS

Office—8 p.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 Barbier, Paxton 595.
Kenneth Slater, Paxton 576.
Arthur J. King, Paxton 271-JX.
Donald Sharp, Paxton 740.
Jesse Fiets, Gilman 159.
Don Allison, Hoopston 462.
John Dorsey, Cropsey 56.
George Popejoy, Cropsey 59-R-3.
Virgil Farris, Watseka 432-MX.
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.

Your cooperative and the employees received many kind words of praise for restoring electric service after the recent tornado near Hope, Collison, and Armstrong. Our men worked day and night to restore service after this tornado.



T. M. Brady electric cooperatives throughout the country, stands ready to help the community in time of emergency.

Throughout the entire country, rural electric cooperatives are dedicated to better service to their members. And beyond that, they stand ready to devote their time and work to community betterment.

Your cooperative's trucks, equipped with two-way radios, relayed messages for maintenance and emergency assignments. Rural electric cooperatives, just like your locally-owned, locally-controlled co-op, stand ready and willing to help each and every one of you in time of disaster.

WILLIE WIREDHAND SAYS

First on your list of electric farm equipment should be a pressure water system. It takes one-half ton of water to produce a pound of food. And 15 to 30 tons of water is necessary to produce one pound of beef.

Plenty of water will not only add to your farm income but will save time all around the home and farm. A water system: 1. Takes little attention. 2. Costs just a few cents. 3. Increases production.

Water can save you fire losses too. Install spigots around buildings and have hoses handy. Help save your investment in your farm if fire strikes.

A well watered garden will produce from two to 10 times as much as a garden depending on rainfall. Don't forget irrigation is coming into many new areas. It is a real money-maker.

If you have a system installed check to see if it is adequate to serve your needs. Talk it over with your rural electric system manager.

SOURCE OF POWER

An adequate wiring system is the backbone of the electric setup within any home. Too often in the past, insufficient attention has been given to the number of circuits and of the size of wire needed.

Sometimes the estimated cost of a new home is higher than the families feel they can afford and the wiring appears to be one place where costs can be reduced. This attitude probably

arises from the outdated idea of regarding electricity primarily as a source of light.

Certainly good light and plenty of it is essential, but today electricity also means a source of power and heat. Tomorrow it no doubt will offer even more in these fields. Cutting costs by installing inadequate wiring is now recognized as short-sighted economy.

Electricity is sold by the kwh. just as eggs are sold by the dozen and butter by the pound. A kilowatt-hour is simply a 1,000 watts and if used in a period of 60 minutes becomes a kilowatt-hour.

Every piece of equipment made by a reliable manufacturer carries a wattage rating on it some place. It may be painted on, as is the case with good lamp bulbs, or it may be stamped in the metal tag fastened to the equipment. This wattage rating informs the buyer that the particular item will use a certain number of watts in an hour's time.

Feed grinding on the farm reduces handling and hauling costs, requires less labor, and assures fresh feed. A one-horsepower electric feed grinder has the capacity to grind feed for 50 cows a day and can be equipped to operate semi-automatically, leaving the farmer free for other chores.

The electric power ranges from one quarter to two kwh. for each 100 pounds of feed ground, depending on the rate and fineness of grinding. The total cost of grinding with an electric motor is about 5 cents 100 pounds as compared with 15 cents, exclusive of the labor, for custom grinding.

While June may mean ice cream festival for lots of dairy and ice cream people, June is also the end of school for the children . . . for those who like tennis don't forget June 6-13 is "Let's play Tennis" week and . . . National Flag Week is June 8-14 . . . of course, June 14 is Flag Day as well as being Children's Sunday some places in the country . . . June 21 is Father's Day and it happens to be the first day of summer too.

NEWS FROM Clay Electric Cooperative

Flora, Illinois
Elmo A. Cates, Mgr.

TELEPHONE NUMBERS

Office—(8 a.m. to 12 noon, 1 p.m. to 5 p.m.),
78-R.
Homes—(Nights or Sunday)
E. A. Cates, Flora 389-J.
James Erwin, Flora 312-J.
Henry Mix, Flora Rural 18-F-31.

Your cooperative has been host to the 4-H electrical group this year. This is a very nice group of boys from the central part of Clay county. They are very cooperative and are learning the uses of electricity, and how to protect the equipment and themselves from hazards arising from misuse of electric service.

Clay Electric employees, Elmo Cates and August Neeley, have been acting as instructors for these meetings.

Part of these 4-H meetings are being held in the back room of the co-op office. This room has been refinished and makes a very nice place for group meetings.

The cooperative would welcome inquiries from members who are sponsoring activities of younger boys and girls, such as cub-scouts and 4-H'ers that would need a meeting room such as we have for daytime meetings.

ANNUAL MEETING

Did you forget? The Clay Electric Cooperative is again a part of the annual meeting caravan. This caravan is a combination show, electrical appliance display and annual meeting of the members. It is scheduled for Clay county in the Charlie Brown Memorial Park for the night of August 17, and all day on August 18.

This year the show has been selected to give you the best in entertainment. In addition to your old favorite, John LaMothe, with his Hammond electric organ, there is a group of young people who have a wonderful show.

You will want to come to both the night show and the one on the following day as these shows are different. Watch for further notice of this meeting as it is very important that you attend the business session this year.

Remember the advice we gave the brides a year ago? Of course you do. It was to go all electric, and that is good advice this year. We know that a number of you did as we suggested last year and we are wondering what you think of your electric equipment. Will you write us a letter telling us about it?

NEW APPLIANCES

Frank Stanford, water heater; R. L. Fatheree, home freezer.

NEWS FROM Egyptian Co-op

Steeleville, Illinois
R. S. Holt, Mgr.

TELEPHONE NUMBERS FOR OUTAGE CALLS

Call Office at Steeleville, No. 68 between 8:00 a.m. and 4:30 p.m. except Sundays and holidays or if closed.

Call Warehouse at Carbondale No. 1504 between 8:00 a.m. and 4:30 p.m. except Sundays and holidays.

After Office Hours call the following nearest telephone—

Elmer Nagel, Steeleville 101-F-21.
John Shriver, Chester, No. 544-R.
Robert Huddleston, Steeleville, No. 43-F-41.
William Muench, Steeleville, No. 82-R-12.

CARBONDALE AREA

Carl Reeves, Carbondale 50-F-14.
Herber Dailey, Murphysboro 1337.

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

Hot weather is just around the corner, and our experiences of last summer are still easy to remember—hot sleepless nights. The cooperative is going to try its level best to remedy that situation for all of our members who have not yet gotten an exhaust fan to cool their homes.



R. S. Holt

This year we are going to put an easy-to-install window fan in all members homes for them to try out for a few hot nights.

This will be a free service. At the end of the trial period the member is under no obligation to buy the fan, but may do so.

Several requests have already come in from people wanting to take advantage of this offer. We will try to take care of these requests first. So don't forget, if you see a man and a fan come up to your house he may be from your electric cooperative. He will not be a high pressure salesman, but trying to perform a valuable service.

4-H ELECTRICITY

This year we have had a very good representation of 4-H club boys and girls in the electricity project. Jackson county probably had a few more members than Randolph or Perry counties.

We worked with the extension service and hope we added something to the program. Our meetings were held much earlier this year than in the past to keep from running into the busy seasons for the boys and girls. Hats off to our future farmers.

We are fortunate in being able to serve the new Presbyterian summer camp down on Little Grassy Lake. This is quite an extensive layout and the Presbyterian people are to be commended for their work.

A large dining hall is being set up and many sleeping units are being provided. The kitchen equipment will include a large electric range to do all the cooking. The Boy Scouts and several other organizations are working on projects at Little Grassy also.

NEW SCHOOL

Central Community Consolidated School District has just completed a nice school building in central Randolph county. There are six classrooms, a gymnasium and cafeteria.

The Egyptian Electric serves the school with electricity and has helped the school board obtain some of the electrical equipment. All the cooking will be done on a large commercial electric range and the dishes will be washed in an electric dishwasher. The patrons of the district are justly proud of their new school.

IS REA FINISHED?

Quite a number of times we have heard the comment that REA has all the farms served with electricity and should be done away with. This, as most of you know, is pure bunk. There are farms in your area that are not yet served and many people are building new homes every year out in the country along good highways.

All of these people want electricity and we need to build lines to their places. The electric bills that you now pay go for buying power from the power company, paying back the loan to REA, paying interest, taxes, and operation. Certainly no one thinks that you should pay for building lines to other peoples' homes.

There is only one place we can go to borrow the needed funds to build these new lines and that is to REA. When Congress sets aside money for REA, that money is not spent like other government money. It is loaned to farmers and will be paid back in due time.

That way it doesn't come out of the taxpayers' pockets as some people have been lead to believe. Keep on your toes members and give the devil his due.

NEW APPLIANCES

Emerson Aitken, Sparta, range; Ralph Gale, Ava, television; Ralph Higginson,

Cutler, iron; H. LeSaulnier, Red Bud, washing machine; Jos. Mathews, Prairie du Rocher, pump; Meadowlark Farms, Inc., Campbell Hill, television; Harold Ohlau, Sparta, percolator; Louis M. Schuetz, Sparta, vacuum cleaner;

Oscar Stellhorn, Red Bud, television; Ignatius Wolshock, Chester, milk cooler; William T. Cox, Chester, television; Gene Heiple, Gorham, water system and water heater; Willard Lipe, Carbondale, range; Charles Montgomery, Modoc, hot plate.

Herbert Bennett, Modoc, television; Robert Birchler, Sparta, milk cooler, water system water heater and milk; Charles Burroughs, Elkville, pump; Frank Easdale, Coulterville, deep fat fryer; A. C. McLaughlin, Murphysboro, home freezer; Martin Shields, Jacob, home freezer; Sylvester Welsch, Pinkneyville, saw.

James L. Martin, Vergennes, roaster; Peter F. Pannier, Lenzburg, home freezer; Ronald Pentod, Makanda, range; Fred M. Bickel, Marissa, water system and automatic washer; James Bradshaw, Jacob, lawn mower; Herbert Dailey, Murphysboro, mixer; Leslie Gearhart, Pomona, sewing machine.

William Jennings, Murphysboro, water pump; Sylvester Kessel, Ava, water heater; John Leady, Murphysboro slicer; Wm. Lehmborg Campbell Hill, milk; Fred Rowan, Makanda, vacuum cleaner; Vincent Shields, Gorham, coffee maker; Roy Stewart, Coulterville, home freezer.

Earl C. Thompson, Ava, milkers; Louis J. Franklin, Modoc, mixer; Franklin Harris, Pinckneyville, television; John L. Luthy, Sparta, water heater; Joe E. Montroy, Chester, home freezer; Otto Moureau, Ava, sewing machine; Paul Buch, Red Bud, television; Raymond Mileur, Murphysboro, milk, water heater and water pump.

NEWS FROM Tri-County Electric Co-op

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

Getting an electric water system on a farm requires three district activities; planning, getting materials and making the installation.

The planning always should be the job of the farmer and his family. In planning, they should seek the advice of a qualified person. Too often the planning is carelessly done or is turned over to someone else. When installed it does not meet fully the farm and family needs.

On many farms, the system is put in piece-meal over a period of years. A plan that is carefully worked out in the beginning makes it possible to do this without discarding and replacing previously installed equipment or rearranging pipes and fixtures as new parts of the system are added.

PLANNING IS IMPORTANT

If your water and plumbing system is properly planned, installed, and maintained, it will give you water, convenience and sanitation when and where you need them. Mistakes in electric wiring result in danger of shock to people and animals, danger of fire, burned out electrical equipment, improperly operating equipment and other difficulties.

Improperly installed equipment may also cause annoying noises, inconveniences, short life of equipment and failure to get maximum benefits from your system. So plan well to get the most from your water system.

Your electricity offers your family an unmatched opportunity to have running water and a complete plumbing system. Electricity eliminates these handicaps:

1. The heavy labor of hand pumping.
2. The need for close, constant attention to your water system.
3. The need for large, expensive storage tanks necessary with gasoline, windmill or hand-operated systems.
4. Convenience at low cost.

Did you know that one kilowatt hour of electric will pump 1,000 gallons of water? Your electric service is the cheapest hired man you can employ on your farm.

ANNUAL MEETING

Your cooperative is again in the annual meeting caravan. Two days have been set aside for the caravan show to be held at the Salem fairgrounds on August 13, and 14.

Consideration is being given to conducting another electrical campaign during the last six months of this year. Free kwh. will again be given to a new user of a designated item, such as an electric hot water heater or range.

Watch this column for complete details.

KITCHEN ON DISPLAY

We would like to invite all of our members to come in and see the completely modern electrical kitchen we have installed in our lobby. The kitchen set-up is to demonstrate the efficiency of an all electric kitchen.

The modern way is "Go All Electric!" This is your bonus for going all electrical:

Kwh. Used	Cost	Cost Per Kwh.
40 kwh.	\$ 3.00	7.5c
113 kwh.	5.43	4.8c
240 kwh.	8.20	3.4c
480 kwh.	11.80	2.5c
825 kwh.	16.98	2.0c

All kwh. above 2000 cost only 1½c per kwh.

You can: Load seven and one-half tons of hay into the barn for 2c. Churn a half ton of butter for 25c. Run a five hp. motor an hour for 10c. Brood one chick for six weeks for 1c. Grind a ton of feed for 60c. Put one ton of feed into the silo for 2c.

Where else can you get a bargain like that today? The more you use the cheaper it becomes. If you have an electric water heater and range, please contact our office at either Mt. Vernon, Salem or Nashville. We have a special rate for you.

MEMBER'S LETTER

"Sorry to have let this bill slip. Were away on a trip. Not having electric would be like a home without a mother."

—Mrs. O. R. Bond
Memo: to all our members: We like your personal comments on the use of electricity. Let us hear from you with ideas and suggestions.

Now that the pigs are weaned, use the same heat lamp units for brooding baby chicks or turkeys. Here are some of the advantages of the heat lamp brooding:

1. Chicks move around and eat during the night, rather than sleep.
2. Drier litter of chicks.
3. Litter is healthier with more room.
4. Grow faster.
5. No hover to clean around.
6. Inexpensive to operate.
7. Electric brooders are safer.

Most men give off as much heat as a 100-watt bulb, but not as much light. It's nice to be important but its just as important to be nice.

NEW APPLIANCES

Television, 26; vacuum cleaner, 13; water heater, 13; home freezer, 12; range, 10; refrigerator, 10; washing machine, 10; water system, eight, sewing machine, eight; clothes dryer, one.

OPEN HOUSE

We are pleased to announce and would like to take this opportunity to invite all our members and friends to the open house of our new headquarters building located on the Ashley Road, Route 3, Mt. Vernon, on June 14, between the hours of 1 p.m. and 4 p.m.

Come in and see how the new office and warehouse increases the efficiency of the office and maintains a control on all the cooperative's equipment. An attendance award will be made.

NEWS FROM Southern Illinois

Dongola, Illinois
George Endicott, Mgr.

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.

Before long you will see the brush crew out with the spray rig spraying underbrush and saplings. Last year we completed the first spray application on our right-of-way. It has been three years since we started the program.

Some underbrush, trees, and saplings need a second application to kill them, and in some places brush was so thick it was hard to get a good cover of spray on all leaves.

George Endicott Also some spots were skipped because they couldn't be sprayed for fear of damaging crops. Consequently there are a lot of rough spots scattered over our territory which need the spray crew's attention. Our plans are to get these spots taken care of this summer, but we need help from the cooperative members.

It's going to be a big job to locate all

the rough spots that need spraying. You don't like outages, neither does your cooperative, and keeping the lines clear of brush is a big factor in having continuous service.

Now if you folks would keep on the look out for exceptional rough spots as you drive along the lines and report the locations to the home office, or the branch office in Massac county, then we could get the job done more efficiently. You can send the information by post card to the Dongola office, or call Tom Willis, Round Knob Exchange, or phone 3100, Metropolis.

INSUFFICIENT FUNDS

We receive a few checks for light bills each month for which there are insufficient funds in the bank to cover the amounts. It takes time and involves considerable inconvenience to get these accounts straightened out.

Board policy is that there will be a one dollar charge for every such check received, and if the check does not clear before penalty date, then the penalty will be added for late payment. When three such checks are received from a member then no more payments by check will be accepted unless such member has put up a deposit of two and one-half times his largest light bill.

Members, who make advance payments, will have the light bill costs estimated on the basis of what the usage was for the past six months, or for one year. There can be no using of the minimum bill cost for estimating advance payments unless your consumption of the previous six months shows that the minimum bill meets your need.

ELECTRICITY FREE

If you are a new user of an electric range, it being bought during the month of May, or will purchase one during the month of June or July, and install and use the range on Southern Illinois Electric co-op lines you will receive 100 kwh. electricity free per month for a period of six months.

We also have a few (new) 1952 ranges and refrigerators on the warehouse floor. These are priced right for quick sales. Here is a chance to buy a good range at a low cost and receive 600 kwh. of electricity free. See or write your power use adviser.

BOARD POLICY CONTINUED

The cooperative pays for many more kilowatts of power than is recorded in the total of the members' meters. The difference is line and transformer loss. The smallest transformer on our lines consumes approximately 15 kwh. per month that is not registered on the member's meter, but is paid for by the cooperative at the substation meter.

Therefore, it is good business to put up transformers sufficiently large to serve members' initial needs with a reasonable allowance for increased usage. When larger loads are put on the transformer, it kicks out and you are out of service. Therefore, the office has undertaken, through survey cards and announcements in our column in the Illinois REA News to have members report the addition of major appliances.

Only by having this information can our engineer anticipate increased loads and make provision ahead of time. Therefore, where the information is not provided the office far enough ahead, responsibility for failure of the transformer because of overload rests with the member.

Further, any unusual equipment to be added to a member's system should be checked with the office before purchase to see if it will fit into the service provided. There is a limit, as some have found, to what can be done.

NO FAVORITES

No organization, especially of a volunteer nature, can long be successful if it plays favorites. Notwithstanding some feeling in certain quarters to the contrary, your management has adopted and held to a policy of treating every member alike.

Even directors pay penalties when late in making payment on their bills. One past director had his meter pulled. One rule which has misled some has been first come, first served.

In the course of operations the board has made in the past, and will make in the future, many individual decisions and rulings. These have been in the past, and will be in the future, in accord with these overall policies.

This is the last installment of the policy statement as drawn up by your board of directors. We hope it has given you a better understanding of how your cooperative operates to give each member fair treatment and better service.

Any question at any time concerning any phase of your cooperative, directed to the office, in care of Vigil Miltenberger, power use and member relations director, will be given attention. Any comments on this report will be appreciated. Also send any suggestions of subjects you feel should be discussed in this manner, in a bulletin, or through this column in the Illinois REA News.

NEWS FROM McDonough Power

Macomb, Illinois
Arthur H. Peyton, Mgr.

Harold Marx of the Illinois REA News staff visited your cooperative recently. Marx and your power use adviser visited several members' homes. Watch your issues for a story about one of our members.

FREE ELECTRICITY



Cook electrically for a year free. If you are not cooking electrically at the present time, here is your opportunity to enjoy fast, clean and economical electric cooking and save dollars.

During the months of June and July your cooperative is offering 100 kwh. free per month for a period of six months to any member who becomes a new user of an electric range. All that is required is for the member to purchase a modern type electric range and fill out the coupon, which may be secured at the cooperative office, or from a dealer.

A modern type electric range is defined as a new or used range having tubular type surface units and a three-wire, 110-220 volt connection. The range must be installed on, or before September 1. When your range is connected, an employee of the cooperative will inspect the electric connection for proper wiring. You will then be given 100 kwh. free each month for a period of six months, providing it does not reduce your bill below the minimum.

To receive an additional six months' free electricity, you must register and attend your annual meeting, which will be held on August 4. By doing this, you will receive an additional 100 kwh. free for a period of six months. Take advantage of this special offer — 1,200 kwh. of electricity for cooking the modern way.

On Wednesday evening, May 20, employees and their families enjoyed a wiener roast at Glenwood Park in Macomb with 65 people present. After a very delicious meal, the rest of the evening was spent in playing softball and other recreation.

APPLIANCE DISPLAY

Brown Lynch Scott Company of Macomb is utilizing our display space in the lobby of the headquarters building for showing a Kelvinator electric range and a Kelvinator Home freezer. Next time you are in the office, examine these modern appliances.

NEW NEIGHBORS

Since the cooperative constructed their headquarters building, which is located on West Jackson Street Road, in 1948, several new business establishments have built up around us. West of us we have an Imperial gas station, drive-in theatre and a furniture business.

East of the cooperative office, Ashmore Tractor and Equipment Company has its office and warehouses, and by the time this issue is printed, Haeger Pottery of Macomb will have opened another show room in the building formerly occupied by the Buick Motor Company.

On the south side of the highway east of us, the Fill-up Inn restaurant, Cook Chevrolet Company and Macomb Auto Body have been constructed. Directly south of the office a chain grocery store has been erected, and now under construction is the Connor Company, which is a wholesale plumbing and heating business.

In 1948 we were the only business establishment in this area and since that time the city has expanded.

CONTEST

"Why I Bought An Electric Range" will be the theme of a contest in which you may receive 100 kwh. free per month for a period of 12 months, or 100 kwh. per month free for a period of six months.

Any member receiving electric service from McDonough Power Cooperative, who cooks the clean, cool, efficient way (electrically, of course) is eligible. In 15 words or less, write your answer to "Why I Bought An Electric Range" and mail it to Watts New, Box 352, Macomb. The contest will close July 31, and the first and second prize winners will be announced at the annual meeting August 4.

ANNUAL AUDIT

The firm of Lowe, Baker and Company of Waterloo, Iowa, is in the process of making our first CPA audit. Formerly, this service was performed by auditors of the Rural Electrification Administration. Due to a cut in administrative forces many cooperatives are now hav-

ing this audit made by certified public accountants, who go over all the records of the cooperative and bookkeeping system to see if everything is taken care of in accordance with the procedure that has been set up by REA.

This involves a financial statement and a report to our board of directors on the actual condition as found by the auditors. D. W. Baker, former regional head of REA finance division, is personally making the audit at this cooperative. He is being assisted by Ralph Brausey.

ANNUAL MEETING

Our annual meeting date is rapidly approaching. On August 3, the annual meeting caravan with its trucks and tents will move into our headquarters and together with the employees of the caravan and the cooperative, will set up the big tents for the display of manufacturers' equipment and the big auditorium tent, which will seat 2,000 people in comfortable chairs for the annual meeting on August 4.

The night of August 3, will be open to the general public with a program of entertainment, which will be publicized at a later date for your information. Members as well as all of our friends in the surrounding towns will be invited to attend this program. The following morning at 10:30 a. m. the annual meeting will open at which time the regular business of the co-op will be handled. There will be entertainment throughout the day for members attending.

It must be remembered that our range campaign this year will again carry a provision that all new users of electric ranges, who attend our annual meeting, or buy an electric range on that day from the displays in the annual meeting caravan, will receive an additional six months of free electricity, which will make a total of 12 months of electricity for all new users.

Food concessions will be available on the grounds for people who desire to have lunch on the annual meeting day as well as enjoy the refreshments on the night of August 3.

We will again elect three new directors this year to serve three-year terms. Sometime before the annual meeting, as prescribed by our by-laws, the nominating committee will be selected from the areas where directors will be elected and they will meet and recommend to the annual meeting, directors for election.

SELF-BILLING

We are now in the third month of our test run on changes in our self-billing plan. This plan will go to 100 per cent self-billing where the member will maintain his own records in a book very similar to his checking account, and will read his meter on the 15th of each month.

The 50 people who are in the process of this self-billing trial run are now commenting on how well they like the system. Sometime in October our board of directors will review the outcome of this trial run, and if it is found advisable, the new system will be put into effect 100 per cent the first of next year.

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

TELEPHONE NUMBERS FOR OUTAGE CALLS

Office Hours—8:00 a.m. to 5:00 p.m. except Saturday and Sunday, holidays, Carlinville 136.
John Scroggins, Carlinville 577-Y.
Aerio Balestri, Hillsboro Co., 8506.
Claude McAfee, Brighton 40.
Charles W. Witt, 803 Sumner St., Jerseyville 296-W.
B. W. Bandy, 830 School St., Hillsboro 830-K.
Delmar Miller, 431 Sumner St., Carlinville 328-L.
Howard Bloomfield, Carlinville 152-L.
William Hensen, Jerseyville 437-R.
James Hopper, Carlinville 321-X.
If lineman does not answer and for any other business aside from trouble, call A. C. Barnes, Carlinville 555-L.
KEEP THIS LIST NEAR YOUR TELEPHONE CHECK with your neighbors to see if their lights are out before calling. Then report the line outage.
COOPERATION INSURES BETTER SERVICE

All members under the self-billing plan will receive new meter reading books prior to July 1, with a new rate sheet attached which includes the three per cent Illinois Utility tax in all charges.

Those members reading their meters on the 1st of the month will start using the new book in July. Transfer your last meter reading from the old book and immediately destroy the old book even though you have some pages remaining.

A. C. Barnes There will be enough pages in the new book to last one year.

Those members reading their meters on the 10th of the month will start using the new book on July 10. Transfer

your last meter reading from the old book and immediately destroy it even though you have some pages remaining. You will find 15 pages in your new book will last until October, 1954.

Those members billed out of the office will be billed under the rate including the tax beginning with the July 1 and 10 bills.

Be sure that you destroy your old book even though you have remaining pages. This will eliminate our returning your bill because you did not pay according to the new schedule.

NEWLETTERS

We used a heat light for brooder. Sure did fine. Electricity was on all the time. Thanks! H. G. Rehkemper, Nokomis.

We have installed a four-breadlamp unit in our brooder house. E. A. Leigh, Ramsey.

Dear sir: I am sending a list of our electrical equipment as requested. It certainly is no wonder that we are lost when there is a power failure, which is very seldom. Thanks for the good service. Mrs. Glenn Rhine, Medora.

Dear sirs: Sometime ago you wanted to know about the electrical appliances in the home. Electricity certainly is a wonderful thing and hard to do without. Yours truly, Mrs. Henry Drewel, Mt. Olive.

M.J.M.: We have a water system and enjoy it very much. We thought the annual meeting was the best yet, and enjoyed the speakers so much. Yours truly, Mr. and Mrs. Elmer Clark, Carlinville.

Dear sir: I don't remember sending in a list of our electric appliances before so I will send them now. We enjoy our electricity a lot. We intend to add an electric water heater in the near future. Yours truly, Von Meeks, Greenfield.

NEWS FROM Western Illinois Carthage, Illinois Lee Leonard, Manager

Office Hours—8 a.m. to 5 p.m. through Friday; 8 a.m. to 12 p.m. on Saturday. Telephone 84—Carthage.
In case of interrupted service, outside of regular office hours, call one of the following numbers:
Lee Leonard, Carthage, White 343.
Clarence Hutchins, Carthage, Black 495.
Luther Bennett, Carthage, Black 416.
Roger Goetz, Carthage, Red 360.

For a 60-day period beginning June 1 and ending July 31 the cooperative will install, or furnish the material to the dealer or electrician making the installation of an electric range, and or electric water heater for every member who becomes a new user of such equipment.



The installation of an electric range shall include the necessary connector, cable and range receptacle from the member's service entrance switch to the electric range.

The installation of the electric water heater shall include the circuit with all necessary connections thereto from the member's service entrance equipment to the electric water heater. No plumbing shall be included with the water heater installation.

Every member who is not enjoying the safety, speed, cleanliness, economy and dependability of electric cooking and water heating should take advantage of this offer immediately. Your range and or water heater can be purchased from any dealer.

All water heaters must have at least a 50-gallon capacity and must have two elements controlled by an interlocking thermostat. If we are to do the work of installing your range and or water heater they must be delivered to your residence before you request the cooperative to make the installation. A representative of this cooperative will inspect all installations.

METER READING CARDS

Meter reading date is the 25th of each month. Members receive their cards a few days before the 25th. Members are asked to read their meters promptly and return the readings promptly. When a member adds electrical appliances, this fact can be mentioned on the card.

Certain appliances cause increased usage of electricity. The billing clerk, not knowing of the additional appliances may question the higher usage, and if the usage is too much out of line, she may deem it necessary to have the meter checked.

In the absence of a reading, members will receive an estimated bill and estimated bills are not adjusted. Remember to read your meter on the 25th of each month and return the card immediately. Save that penalty by reading your meter and paying your account on time.

Your cooperative's annual meeting is July 23 and 24. It is democracy in action.

There will be a big and better caravan meeting for this year.

Loose wires in the air, or on the ground, spell danger. Every farm family on an electric line can help save lives by reporting loose wires immediately to the cooperative office. This is a danger countrywide in scope and it needs everybody's help to combat it.

The loose, hanging wire will be found by the line crew in their work, but even a few hours delay may be too late. In the meantime, someone may have suffered serious injuries or have been killed. Your report should be made at once. In that way, you can help avoid tragedy.

SPRAYING THIS YEAR

We are again going over the system spraying the right-of-way growth that was either missed last year, or has grown up since. We hope that we receive the same fine cooperation as we did in the past.

We will try to be very careful not to spray where there is danger of damaging the crops in any way. If any one has any reason for not wanting spraying done along their premises, we would be glad if you let us know.

Take care to get what you like or you will be forced to like what you get.

NEWS FROM Wayne-White Fairfield, Illinois Owen J. Chaney, Mgr.

In case of trouble before 8:00 a.m. and after 5 p.m. call the following—
For White County call Norman Davis, Carmi, Phone 2175.
For Norris City area call Chalou Carter, Phone 123 or Everett Phillips, Phone 38-J, Norris City.
For Edward County call Weldon Galiber, Phone 161-M or Bill Bennett, Phone 217-WX, Albion.
For McLeansboro area call Alfred Venters, Phone 474, McLeansboro.
For west part of Wayne County call Wm. Fleming, Phone 3131, Wayne City, or Dee Vaughan, Phone 3141.
For eastern Wayne County call Cloyd Musgrave, 4294; Charles Mann, 7157; George Harper, 3184; all of Fairfield; Carl Merritt, Phone 6397.

Life on the farm has changed some during the past 30 years. Most of you who were farming in 1923 were using horses to pull your farm machinery and were driving a Model T over dirt roads.

Modern machines and good roads have changed the farm picture completely. But, we think, that rural electrification has brought more comfort to the farm home than all other changes combined.

In 1923, 3 1/2 million Owen Chaney farm people were producing the food and clothing for 107 million people in the United States. In 1953, 21 million are performing the same work for a population of 160 million.

Electrical devices are playing an important part in meeting this production schedule. Electricity, modern living and profitable production go hand in hand.

CRITICIZED BY SOME

The rural electrification program is being criticized by certain groups. The use of electric power has increased very rapidly during the last 10 years and this growth will continue.

If rural electric co-ops keep up with the demand for power, it will be necessary for them to continue the program of reconstruction, more substations, more feeder lines, and replacing existing lines with heavier conductor. Larger poles, bigger transformers, etc., will be needed. This means that more capital will be needed to properly carry on the rural electrification program.

The interest and principal repayment record of rural electric co-ops is above reproach. Loans made by the Government to electric co-ops have been good investments. Therefore, it seems out of order to curtail funds that have not cost the taxpayer one penny and have been a source of income to the Government.

We feel that all electric co-op members, whether they belong to this co-op or to some other co-op, should write to their senators and representatives urging their continued support of the Rural Electrification program.

ANNUAL MEETING

The date is Tuesday, August 25. Seems like a long way off, but we want you to start thinking about it. We plan to have another big meeting this year. You are going to miss something worth while if you do not attend.

Famous last line: This co-op is owned by those it serves.

All farm vehicles operating on the highway must have one white headlight and one red tail light visible for 500 feet.

NEWS FROM Illinois Valley

Princeton, Illinois
F. I. Ruble, Mgr.

Address: 430 S. Main St., Tel. Princeton 3-1331
Office Hours—8:00 a.m. to 5:00 p.m. Monday through Friday.
TO REPORT OUTAGES AFTER HOURS—
Princeton Area: Milford Jontz, Line Supt., Telephone Princeton 2-2072, or Floyd Christiansen, Maintenance Foreman, Telephone Princeton 2-4792; Stanley Ballard, Maintenance Lineman, Telephone Princeton 3-5813.
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.
NOTE—Members in Galva and Ottawa areas please try to report trouble to your maintenance man before calling Princeton.

Never before in the history of our nation has living in rural areas been as productive. The total horsepower of motors in use on farms nationally is nearly double that of factories. A large percentage of land is cultivated by tractors.



F. I. Ruble

In 1952 the number of farms in the area served by our cooperative was approximately 96 per cent. New extensions are being added monthly to increase this percentage. A definite program has been started to increase the number of farm homes served with complete water systems and bathrooms. The use of electricity to heat water is economical, efficient and practical and is rapidly being recognized by members as a definite contribution to the comforts of living.

Nationally over 2-million farms are pumping water electrically, though only 900,000 of them are using hot water heaters. The percentage of electric water heaters is above this average on your cooperative, but how are you heating the water in your home?

INCREASES PRODUCTION

The percentage of other electrical appliances in use is much higher. Washing machines, small appliances, radios, television sets, ranges, are included in this list. This is especially true in our cooperative. Electrically-operated equipment is making it possible to increase the production on your farms with less man-hours of labor.

Mechanical refrigeration has made it possible to store vegetables and meat over longer periods of time. This permits immediate access to food, saving time and providing material for a complete meal when needed.

From these pertinent facts you should be able to answer in the affirmative this question, "How well are we doing?"

Note: This column appreciates the opportunity to accord recognition to junior members who live in homes of members served by your Illinois Valley Electric Cooperative. We are pleased to bring information to our readers about.

Lester Meisenheimer, Walnut, a member of Bureau Township High School chapter of Future Farmers of America, who has been named F.F.A. Star Farmer of Section 3, which includes the counties of Bureau, Henry, and Rock Island, according to an announcement by F.F.A. State Adviser J. E. Hill, in Springfield.

Meisenheimer, 18, is the son of Loyal Meisenheimer, Route 1, Walnut, and is a senior student of vocational agriculture at Bureau Township High School. As Star Farmer, he has the best record in farming activities, leadership, and scholarship among the 765 Future Farmers in 23 high schools in the section. He is one of 25 such sectional winners, one of whom will be named F.F.A. Star Farmer of Illinois at the F.F.A. state convention at Urbana, June 11.

Meisenheimer's farming program includes 58 head of sheep and four angus heifers, as well as projects in corn and poultry. Besides being Star Farmer, he won the Illinois Foundation F.F.A. sectional award for the best work in home and farm beautification.

He is president of his F.F.A. chapter, an athlete in football, basketball and track, and president of his 4-H club. His average grade in all high school subjects is 93.5 per cent. He has been named Salutatorian of his class at the Bureau Township High School.

NEIGHBORS AID MEMBER

Plowing got well under way in this section early in May but for some farmers there was unavoidable delay.

Take the case of member Francis Souder, who lives near Kewanee. Francis was confined to the hospital during April with pneumonia. He returned home the later part of the month, recovered but was still weak from his sojourn at the hospital.

The week of May 4, 23 good neighbors, most of them members of your cooperative arrived one morning at the Souder

farm and took over the task of plowing up around 50 acres of corn land. They finished the work in less than a day's time.

After the job was finished, Mrs. Souder treated all the willing workers to a hot meal. Helping in the preparation of the meal were Mrs. Lucy Souder, Mrs. Elmer Ripka and Mrs. Robert Broadbent.

For the good neighbors, however, the work on the Souder farm was not enough. After finishing off their plowing there, they hustled over to the farm of member Louis Schuetts and plowed five acres in less than 20 minutes. Seventeen tractors did the hurry-up job.

Those who pitched in on the Souder and Schuetts' farms were: Ray Mille, Keith Milnes, Leonard Fleming, Warren Milnes, Everett Roberts, Elmer Ripka, Lawrence Schuetts, Louis Schuetts, Ray Nelson, Clarence Nelson, Thomas Smith, Robert Good, Alvin Schultz, Lester Quart, Walter Helmkamp, Leonard Pickering, Merton Manthe, Walter Schultz, Robert Broadbent, Vern Pearson, John Otley, Fred Kramer and Junior Fates.

FFA VISITS CO-OP

On April 30, two officers of Future Farmers of America (Section 3), George Attig, Jr., vice-president and Gary Mueller, secretary-treasurer, of Reynold, visited the cooperative office. The purpose of their visit was to present a certificate to Manager F. I. Ruble in recognition of a contribution made by the Association of Illinois Electric Cooperatives. This contribution included the name of your Illinois Valley Electric Cooperative as a contributor.

Manager F. I. Ruble and Director Roy Horton were among a delegation of Association of Illinois Electric Cooperative members who met with U. S. Senators and Congressmen from Illinois in Washington D. C. on May 18.

A dinner meeting was held at the Willard Hotel. Following the meeting certain designated delegates presented facts pertaining to the rural electric cooperative program as it affects both the state and national program.

The delegation also met with Ancher Nelson, named recently as REA administrator to succeed Claude R. Wickard. This meeting was held Tuesday, May 19. A report of the conference is presented in this issue of Illinois REA News.

NEWS FROM Clinton County

Breese, Illinois
Joseph Heimann, Supt.

IMPORTANT PHONE NUMBERS TO REMEMBER

Keep This List Near Your Telephone At All Times
From 8 a.m. to 5 p.m. Mondays through Saturdays, call the Office—Breese 76.
In case of an outage or for any other emergency after 5:00 p.m. call—
Ernest Becker, Breese 69.
Robert W. Vander, Plum, Breese 278.
Robert Hintz, Shattuc.
Joseph Huelsmann, New Baden 59-R.
Paul Huels, New Baden 103-R.
Cut this list out of the paper and put it near your telephone or paste it in your directory where it will be available at all times. In case of an outage check with your neighbors first to see if they have lights before reporting line or individual outages.

Farming today is a big business, and the success of any farmer depends upon the efficient use of time and labor. Muscle power is expensive, even though the farmer does all or most of his own labor. That's why tractors and farm machinery are so popular for field work today. They enable the farmer to do more work with less effort and time.

Electric motors also do many jobs so cheap, that the farmer cannot afford to get along without them. He cannot afford to work for 5 cents a day, which is the cost of enough electricity to do the mechanical work of any average hired man in an eight-hour day. On any job that can be done by motor power, a quarter horse motor will do the work of one man.

At present, with the high cost of farm labor, substantial savings can be made by making full use of electric power. Is it any wonder that farmers everywhere are turning to electric power as the solution to increasing labor costs and manpower shortages?

ELECTRICITY IS CHEAP

Five cents worth of electricity, for example, will grind 200 pounds of grain, hoist three tons of hay, cool 25 gallons of milk, milk 30 cows, or pump and deliver 400 pails of water. Do these same jobs with muscle power and hired help, and the cost will be a hundred times greater.

Within the next month, if weather permits, the co-op will have the Trenton and Ferrin substations on 69,000 volts, instead of the present 33,000-volt con-

nection. These two substations have also been increased in transformer capacity to meet the ever-growing demand put on them by the increase of the use of electricity on the farm.

The cooperative is continuously spending money on rebuilding and rephasing lines and substations to meet these new demands, and to better the continuity of service to the farm.

Remember the free installation program offered you by the co-op on electric ranges, water heaters, and clothes dryers. Take advantage of this offer like many other members have already done, before it's too late. This free installation means a saving to you, and guarantees you first class installation.

NEW APPLIANCES

Range: William Zimmermann, George Luebbers, Leo Frerker, Jr.

Water heater: Herman Hempen, Robert Hempen, Leo Schulte, Joe Detmer, Lewis Wiedle.

Clothes dryer: Joseph Dumstorff.

Milking machine: Robert Hempen.

Television: Harry Murray.

Home freezer: Wayne Conrad.

Sewing machine: Omar P. Geiger.

Heat Lamps: Arnold Emig, Dwight Conrad.

OPERATING REPORT

Miles of line	730.65
Revenue per mile	\$30.30
Connected members	2004
Density per mile	2.74
Average bill per farm	10.44
Average kwh. per farm	413.6

NEWS FROM Rural Electric

Divernon, Illinois
Ralph V. White, Mgr.

Office Hours—7:30 a.m. to 4:00 p.m. Monday through Friday. The office is closed all day Saturday. Telephone number—Divernon 19.
Make trouble calls to the outage reporter on your telephone exchange. The outage reporter will notify the cooperative office.

Your cooperative annual meeting and electric fair will be held at Auburn, on August 6 and 7.

Again this year your cooperative is participating in the annual meeting caravan. The caravan with its electrical displays, equipment and entertainment will be in Auburn the evening of August 6, and all day on August 7.

The regular business meeting will be highlighted by the election of directors from districts 1, 2 and 3. The present directors from these districts are Fred Harms, Auburn; George Simon, Farmersville; and Lester Draper, Rochester.

DIRECTOR DISTRICTS

The districts of the cooperative to elect board members this year are 1, 2 and 3.

District 1 consists of Pitman and Harvel townships and all of Bois D'Arc Township except the eastern two miles.

District 2 consists of Curran, New Berlin, Island Grove, Loami, Auburn and Chatham townships.

District 3 consists of South Fork, Taylorville, Buckhart, Cotton Hill and Rochester townships.

PLAN CAMPAIGN

Your cooperative is offering a campaign to acquaint members with the many advantages of using electricity for cooking and water heating. Consult your dealer for the many fine features of electric ranges and water heaters.

Electric cooking and water heating is economical, clean, fast, dependable, efficient and automatic. In order to help more members realize these advantages plus many more, your cooperative will give free electricity to members who switch to electricity during the campaign period, June 1 through August 7.

If you are not now using electricity for these jobs, this is a real money-saving opportunity. Your cooperative will give you 100 kwh. per month for 12 months if you switch to electricity for cooking or heating water with an approved type water heater.

That is 200 kwh. per month if you install both appliances during the campaign period. This 100 kwh. free electricity is for six months or a year, depending upon which plan you qualify.

HERE'S HOW

Just switch to electricity from some other type of fuel for cooking and/or heating water. Here's how: Buy from a dealer of an exhibit at the annual meeting caravan; Attend and register at the annual meeting, August 7, at Auburn; Install the range, and/or, water heater before September 4; Notify your cooperative office for an inspection. Then, you will receive credit for 100 kwh. for range

or water heater, or 200 kwh. for both every month for a full-year.

If you are unable to attend the annual meeting, but do switch to electricity for cooking, or water heating, you will still receive credit for 100 kwh. for each appliance, 200 kwh. for both every month for six full months.

The range must be a late model, new, or used, efficient, tubular type burners with a three-wire connection, and be properly wired.

The water heater must have two elements, neither to exceed 2,500 watts and wired so that both heating elements will not operate simultaneously. For further details consult your cooperative office or your appliance dealer.

KITE FLYERS

Future co-op members are running all over now trying out new model kites. These young Americans have a natural tendency to try to beat every record in the neighborhood for flying kites. Safety, however, is stressed in every contest, whether in the amateur or professional ranks. Innocent as it may seem, flying a kite may be a very hazardous sport to engage in.

Some safety firsts to watch in flying a kite are: Do not fly kites near highways or electric wire; do not use wet string, metal string or metal tails; do not climb after a kite that has become entangled in trees or electric wires.

Every Spring brings stories of electrocutions. Let's do all we can to prevent accidents in kite flying.

CHANGE OF MEMBERSHIP

There are some rural people receiving co-op electricity that are not members. At first glance, this appears to be a rank breach of co-op policy. Actually in most cases it is merely a matter of neglect on the part of the consumer.

Some members have died. Relatives taking over the home place sometimes neglect to make application for membership and electric service, merely receiving the meter card in the name of the deceased.

Another example is a case where the owner retires and turns the farming operations over to a son, in which case, the retiring member should terminate his membership, and the son become a member.

In each case, someone taking over the farm neglected to take over the electric service. Your cooperative is owned and controlled by the members. Non-members have no vote at elections nor can they take part in the co-op activities.

Capital credits are set up as patronage dividends only to members. Some of these non-members who are paying for electricity under another name will receive no capital credits, even though they may have paid the bills for several years.

These are but a few examples of why everyone who receives cooperative electricity should become a member in his own right.

OUTAGE REPORTERS

Some members have unselfishly volunteered efforts to help your cooperative cut down on outage report call expenses. Out of nearly each telephone exchange area, one or more volunteers are donating time and effort in order to help your co-op to help you.

These reporters merely report outages to the office that are reported to them. They do not take care of routine connects, disconnects, wiring or electrical problems. They receive no remuneration from the co-op other than the warm thanks of the board, operating personnel, and cooperative members.

If each member would limit cooperative business to outage reports when calling outage reporters, their job would be much more simplified and they could function more efficiently.

There are some areas in which your cooperative would like to have an additional outage reporter. The reporters do a great service to their community, co-op, themselves, and servicemen. If you would like to help your co-op in this matter, contact the co-op office.

Here is a list of the reporters as it now stands:

Town	Reporter	Phone
Auburn	Fred Harms	3585
Chatham	Fred Mau	2657
Edinburg	A. C. Merwin	3590
Farmersville	George Simon	2815
Girard	C. Whittler (W)	3523
	L. Miller (E)	2323
Harvel	Charles R. Pope	2684
Litchfield	C. M. Fogleman	2028
Loami	Elmer Queen	48F11
Morrissonville	Heie Janssen	2844
Modesto	Otto Otten	3521
New Berlin	Walter James	2165
	Stanley Kazakoitis	2925
Palmyra	Wayne Overby	3606
Pawnee	Clyde Deal	76F3
Raymond	Chris Herrmann	7627
Rochester	G. E. Sallenger	5413
	Lester Draper	2832
Taylorville	Ralph Gessell	82158
Virgen	Wilbert Seifert	3446
	Arthur Bickel	4505
	Dale Kime	4902
Waverly	F. Caruthers	279F31



JUNIOR REA NEWS



Pen Pals

Hi Pen Pals!

Well, summer vacation is in full swing now and we hope you are all enjoying it. Your Pen Pals will be interested to know what you are doing so you will have lots to write about in your letters this summer. The Pen Pals whose letters appear in this issue are waiting to hear from you. Let's get those letters off soon. Letters for publication should be addressed to Kay Conlan, Junior REA News, Box 1180, Springfield, Ill.

HORSEBACK RIDING

I am 16 and my birthday is January 1. I have brown hair, blue-grey eyes, weigh 100 pounds and I am five feet tall. I go to Watseka High School. I have four brothers and two sisters, all of them younger than I am. My hobbies are collecting pictures of movie stars, horseback riding, listening to the radio and writing letters. Would like to hear from boys and girls between the ages of 16 and 20.—Mildred Eades, R. R. 1, Watseka, Ill.

LIKES COLORING



I am a seven year old girl and my birthday is on January 15. My hobbies are reading and coloring. I have a brother six months old. Would like to hear from Pen Pals about my age.—Sondis Kay Decker, R. R. 4, Iuka, Ill.

SEWING, A HOBBY

I am 17 and my birthday is November 12. I have brown hair and grey eyes, weigh 132 pounds and I am five feet, three inches tall. My hobbies are sewing, going to movies and playing the piano. Would like to hear from boys and girls between 17 and 20.—Betty Stevens, R. R. 2, Nokomis, Ill.

JUNE BIRTHDAY

I am 10 years old and my birthday is June 19. I like to ride a bicycle. Would like to hear from boys and girls who have the last name of Owens and from other boys and girls too.—Jerry Owens, R. R. 3, LeRoy, Ill.

COLLECTS STAMPS

I am a boy 12 years old and my birthday is October 11. I enjoy collecting stamps. Would like to hear from boys and girls between 10 and 14.—Wendell Owens, R. R. 3, LeRoy, Ill.

COLLECTS RECORDS

I am 19, have blonde hair, grey-blue eyes, weigh 129 pounds, I am five feet tall and my birthday is April 14. I have two older sisters and two brothers and all are married. My hobbies are collecting records, listening to popular music and hillbilly music, cooking and going to shows. I would like to hear from boys and girls between 17 and 20.—Betty Cowan, P. O. Box 677, Ottawa, Ill.

COLLECTS PICTURES

I am 15 years old and my birthday is March 6. I have brown hair and dark brown eyes, weigh 129 pounds and I am five feet, six inches tall. I go to Shawnee High School. My hobbies are reading, skating and collecting movie star photos. I will answer all letters I receive and would like to hear from girls and boys between 14 and 17.—Wilma Jean Cook, R. R. 2, Jonesboro, Ill.

HILLBILLY SONGS

I am a girl 14 years old and I am five feet, two inches tall and weigh 107 pounds. I have brown hair and hazel eyes. My birthday is September 24. I have three sisters and three brothers. I like to listen to hillbilly songs and I like basketball and baseball. Would like to hear from boys and girls between 14 and 18.—Vivian J. Jent, R. R. 2, Marion, Ill.

JANUARY BIRTHDAY

I am 10 years old and my birthday is January 4. I have dark brown hair, weigh 81 pounds and I am four feet, nine inches tall. I am in the fourth grade. My hobbies are basketball, baseball and reading. I also play the piano. I would like to hear from boys and girls between nine and 12.—Mary Anne LaVoie, R. F. D., Gilman, Ill.

DRIVES TRACTOR

I am 11 years old and my birthday is January 23. I have brown hair and brown eyes, weigh 75 pounds and I am four feet, seven inches tall. I am in the fifth grade. I have an older brother and sister and two brothers and sisters younger than I am. My hobbies are driving a tractor, hunting, fishing and going to the movies. Would like to hear from boys and girls between 10 and 12.—Ray Eades, R. R. 1, Watseka, Ill.

A CHEERLEADER

I am 16 years old and I have brown hair and brown eyes and I am five feet, five. I am a cheerleader at Noble High School. I weigh 120 pounds. Would like to hear from boys and girls between 16 and 19.—Lemerle Bible, Box 106, Noble, Ill.

PLAYS PIANO

I am 13 years old and my birthday is October 13. I have brown hair and grey eyes and I am five feet, four inches tall and weigh 143 pounds. I am left-handed. I am in the seventh grade. My hobbies are spelling, playing basketball, playing the piano and singing all kinds of songs.—Calva Jean Rees, Box 58, Franklin, Ill.

LIKES DRAWING

I am 12 years old and my birthday is February 18. I am in the sixth grade and like to draw and ride horses when I can. I have a dog and two hogs. Would like to hear from boys and girls my own age.—Judy Martin, R. R. 4, Mt. Vernon, Ill.

STAMP COLLECTOR

I am 13, have brown hair and brown eyes. I am in the seventh grade at Howard School. My hobby is collecting stamps. I would like to hear from boys and girls between 12 and 14. Would like to have a picture of everyone who writes me.—Ronnie Reininger, R. F. D. 1, Opdyke, Ill.

HAS PET DOG

I am a little girl eight years old and I am in the third grade at Clifty Creek School. I have brown hair and hazel eyes. I am four feet, three inches tall and weigh 60 pounds. My hobbies are playing with my dolls and my dog "Spot". I have a brother and a sister. Would like to hear from boys and girls between eight and 12.—Marilyn Jane Evans, R. R. 1, Belknap, Ill.

DECEMBER BIRTHDAY

I am nine years old and I have brown hair and brown eyes. My birthday is December 5. My hobbies are listening to the radio and reading comics. I am in the third grade and go to Center School. I have a cat and a dog. I would like to hear from boys and girls between nine and 12.—Phyllis Wyman, Xenia, Ill.

ENJOYS COMICS

I am nine years old and I have light brown hair and blue eyes. My birthday is October 8. My hobbies are dancing and reading comics. I am in the third grade and go to Lincoln School. I have a cockerspaniel. Would like to hear from boys and girls between nine and 12.—Marion Wyman, Flora, Ill.

JANUARY BIRTHDAY

I am 15 and my birthday is January 2. I have blue eyes, brown hair, weigh 120 pounds and I am five feet, five inches tall. My hobbies are dancing, singing, playing baseball and riding my bike. I live on a farm. Have two sisters and two brothers. Would like to hear from boys and girls of all ages.—Betty Ann Kasban, Ashley, Ill.



A MAY BIRTHDAY

I am 12 years old and my birthday was May 29. I am in the sixth grade. Do I have a twin? I have brown eyes and I weigh 71 pounds and I am four feet, nine inches tall. My hobbies are singing, reading and writing letters. I would like to hear from boys and girls between 11 and 14.—Ellen Sharp, R. R. 2, Farmer City, Ill.

SQUARE DANCING

I am 15 years old and my birthday is December 10. I am five feet, four inches tall and weigh 118 pounds. I like swimming, bowling, baseball, basketball, dancing, especially square dancing, and I like to ice skate. I would like to hear from boys and girls between 13 and 18.—Mary Ellen Pitts, R. R. 2, Chadwick, Ill.

4-H CLUB MEMBER

I am 14 years old and my birthday is Jan. 5. I have brown eyes and hair and I am four feet, six and one-half inches tall. My hobbies are swimming and cooking. I have one sister. I belong to the 4-H Club. Would like to hear from girls and boys of any age.—Gloria Zander, R. R. 1, Cowden, Ill.



NOVEMBER BIRTHDAY

I am a girl 16 years old and I am five feet, five inches tall and weigh 115 pounds. I have black, naturally curly hair and my birthday is November 1. I enjoy playing the piano and also roller skating. I would like to hear from girls and boys between the ages of 16 and 18.—Joyce Hill, R. R. 3, Ramsey, Ill.

ENJOYS COOKING

I am 15 and I am five feet two inches tall. I have brown hair and grey eyes. My birthday is January 27. I have four sisters and four brothers. I like to listen to the radio and cook. Would like to hear from girls and boys between the ages of 15 and 17.—Mary Jane Hill, R. R. 3, Ramsey, Ill.

PLAYS SOFTBALL

I am a 16 year old girl and my birthday is August 14. I have blonde hair, blue eyes and I am five feet, four inches tall. My hobbies are playing softball, going to the movies and writing letters. I would like to hear from girls and boys between the ages of 16 and 20.—Doloris Dillman, Keenes, Ill.

COLLECTS POSTMARKS

I am 13 years old and my birthday is May 4. I have brown hair and blue eyes and I have a brother and a sister. I am in the seventh grade. I weigh 96 pounds and I am four feet 11 inches tall. I would like to hear from boys and girls of all ages. My hobbies are collecting stamps, postmarks and pictures of dogs, cats and cows. I also like to play the piano and ride a bike.—Mary Frances Burrell, R. R. 3, Palmyra, Ill.

MARCH BIRTHDAY

I am 17 years old and my birthday is March 10. I am in the second year in high school. My eyes are blue and my hair is dark brown. I would like to hear from boys and girls between 15 and 19.—Charles Vaughn, R. R. 1, Elizabethtown, Ill.



COLLECTS STAMPS

I am 11 years old and my birthday is August 29. I have brown hair, green eyes and I am four feet, eight inches tall. I have one sister whose name is Barbara Jean. My hobbies are reading, stamp collecting and airplanes. I would like to hear from boys and girls of all ages, but if anyone has a birthday on the same day as mine, I would surely like to hear from them.—Dan Cutler, R. R. 1, Danvers, Ill.

JULY BIRTHDAY

I am nine years old and my birthday is July 14. I have blonde hair and blue eyes and weigh 80 pounds. I am four feet, 10 inches tall. I have five sisters and a brother. My hobbies are reading and playing house. Would like to hear from anyone between seven and 11.—Georgia Holt, R. R. 8, Box 422, Decatur, Ill.

PIANO LESSONS

I am a 13 year old girl and have brown hair and blue eyes. My birthday is May 15. I am five feet, five inches tall and I am in the eighth grade. I enjoy playing the piano, cooking and writing letters. I took piano lessons for a year and one half. I will try to answer all the letters I receive and I would like to hear from boys and girls between the ages of 12 and 15.—Elizabeth Kunath, R. 1 Golconda, Ill.

ENJOYS DANCING



I am a girl 12 years old and I have brown hair and brown eyes. I am four feet, 11 inches tall and my hobbies are baseball, dancing and going to the movies. I would like to hear from boys and girls between the ages of 12 and 15.—Caroline Jankowski, Radom, Ill.

TWIRLS BATON

I am a girl 11 years old and I have brown hair and blue eyes. My birthday is December 2. I am in the sixth grade. My hobbies are playing the clarinet, piano and twirling my baton. I have two sisters. Would like to hear from boys and girls between 10 and 13.—Kay Cruse, R. R. 1, Jonesboro, Ill.

ENJOYS READING

I am 14, have blonde hair and blue eyes and my birthday is March 2. My hobbies are writing letters and reading different kinds of books. I am five feet, five inches tall and weigh 136 pounds. I promise to answer all letters that I receive.—Janice Arleen Shenberger, Box 225, Grafton, Ill.

FOREIGN PEN PALS

This is my second letter to the Junior REA News. I am a girl 15 years old and my birthday is December 26. I have brown hair, grey eyes and weigh 106 pounds. I am five feet, one inch tall. My hobbies are writing to Pen Pals and listening to hillbilly songs. I have five Pen Pals in foreign countries—a boy in Greece, two girls in Scotland, one girl in England and a girl in Switzerland. Now I would like to hear from boys and girls between 15 and 20.—Shirley Joan Fry, R. F. D. 2, Pawnee, Ill.

GARDEN WORK

I am nine years old and I am four feet, five inches tall. I have two dogs and two cats. My birthday is August 13. My hobbies are fishing and working in my garden. I would like to hear from boys and girls between seven and 12.—Marvin Lee Roberts, R. F. D. 1, Makandas, Ill.



LIKES SPELLING

I am in the sixth grade and I am 11 years old. I like roller skating, reading, and spelling. I weigh 80 pounds. Would like to hear from boys and girls between the ages of 8 and 15.—Ruth Hemann, R. R. 1, New Douglas, Ill.

SEVENTH GRADER

I am 13 years old and my birthday is January 25. I am four feet, 11 inches tall and weigh 110 pounds. I have brown hair and eyes. My hobbies are playing the piano, reading and writing letters. I am in the seventh grade at Rome School. Would like to receive letters from boys and girls between 12 and 15.—Ann Norfleet, Dix, Ill.

ENJOYS LETTER WRITING

I am 15 and weigh 110 pounds. I am five feet tall and have brown hair and brown eyes. My birthday is June 13. I have two sisters at home and a brother and one married sister. My hobbies are writing letters and basketball. Would like to hear from boys and girls between 15 and 17.—Eleanor Jane Tanner, R. R. 2, Box 87, Stonefort, Ill.

RIDES PONY

I am a girl nine years old and I am in the third grade. My birthday is January 6. My hair is blond and my eyes are blue. My hobbies are skating, and riding my pony. I have two sisters. I would like to hear from girls and boys about my age.—Joyce Hensley, R. R. 1, La Harpe, Ill.

FIFTH GRADER

I am 10, have black hair and blue eyes. I am four feet, seven and I am in the fifth grade. My hobbies are playing basketball and raising pets. I would like to hear from both boys and girls of my own age.—Philip Ray Morris, R. R. 2, Simpson, Ill.



Farming News Notes

SENIOR

I am a girl 18 years old and my birthday is May 3. I am a senior in high school. I have brown hair, blue eyes and am five feet five inches tall. I would like to hear from boys and girls of my own age.—Margaret Savage, R. R. 4, Fairfield, Ill.

BLUE EYES

I am a girl 13 years old and my birthday was May 19. I have brown hair, blue eyes, am five feet five inches tall and weigh 130 pounds. I would like to hear from girls and boys between the ages of 13 and 16.—Patsy Christina Wilkerson, R. R. 3, Box 248, Benton, Ill.

HAS JIGSAW

I am 11 years old and my birthday is February 9. I have brown hair and eyes and am four feet ten inches tall. My hobby is making things with a jigsaw. I am in the fifth grade. I would like to hear from boys and girls between the ages of 11 and 14.—Harold Lee Curry, R. R. 2, Petersburg, Ill.

LIKES SWIMMING

I am 12 years old and I have black hair and blue eyes. My birthday is August 29. I go to Sims Grade School and I am in the sixth grade. I weigh 87 pounds and I am four feet 10 inches tall. I have one sister and two brothers. My hobbies are horseback riding and swimming. I would like to hear from boys and girls between the ages of 11 and 14.—Jean Fenton, R. R. 1, Sims, Ill.

CROSSWORD PUZZLES

I am 11 years old and my birthday is June 25. I have blonde hair and brown eyes and I am in the sixth grade. I live on a 167 acre farm and I have a pet dog and a cat. I am five feet, one inch tall and weigh 100 pounds. My hobby is collecting crossword puzzles from papers. I would like to hear from boys and girls between the ages of nine and 15. I would also like pictures, if possible.—Patricia Santel, R. R. 1, Albers, Ill.

HILLBILLY MUSIC

I am 13 years old and my birthday is November 5. I have blue eyes and blonde hair and I am four feet 11 inches tall. My hobby is listening to hillbilly music. Would like to hear from boys and girls between 12 and 16.—Ada Pearl Beal, R. R. 1, Dix, Ill.

A SKATER

I am a girl 10 years old and I have brown eyes and brown hair. My hobby is skating. I can dance on skates and skate backward a little. We go skating every Friday and Sunday. Would like to hear from girls and boys.—Loretta Sue Rise, R. R. 1, Boy 141, West Frankfort, Ill.

SEWING AND COOKING

Do I have a twin? I am a girl 11 years old and my birthday is August 13. I have blue eyes and blonde hair and I weigh 110 pounds. My hobbies are sewing and cooking. I would like to hear from boys and girls between 11 and 13.—Amy Holt, R. R. 8, Box 422, Decatur, Ill.

HILLBILLY MUSIC

I am 12 and I have a birthday on August 30. I have light brown hair, blue eyes and I am five feet tall. My hobby is listening to hillbilly music. I would like to hear from boys and girls between 12 and 16.—Grace Louise Allen, R. R. 6, McLeansboro, Ill.

LIKES SOFTBALL

I am a girl 12 years old and I have brown hair and brown eyes. My birthday is December 1. I am in the eighth grade. My favorite sport is softball. I am four feet, 11 inches tall and weigh 95 pounds. I would like to hear from boys and girls my own age.—Joyce Liesman, R. R. 1, Mason City, Ill.

PLAYS SOFTBALL

I am 11 years old and I have brown hair and brown eyes. I weigh 72 pounds and I am four feet, three inches tall. My hobby is riding my bicycle and playing softball. I would like to hear from boys and girls between eight and 11.—Steven Sechrest, R. R. 2, Mt. Vernon, Ill.

TEXTILE PAINTING

I am a girl 14 years old and my birthday is January 15. I am five feet seven inches tall and weigh 125 pounds. I am in the eighth grade. I like to read, sew and listen to the radio. My hobby is textile painting. I live on a farm of 120 acres and I have a sister and two brothers younger. I play the piano. Would like to hear from all boys and girls between the ages of 12 and 16.—Martha Bollin, Nauvoo, Ill.

COLLECTS PHOTOS

I am 13 years old, have brown hair, blue eyes and a fair complexion. My birthday is September 19 and I am in the eighth grade at Beecher City Junior High School. My hobbies are sports, horseback riding and collecting movie star photos. Would like to hear from girls and boys between 3 and 17.—Martha Ann Dyer, R. R. 1, Shumway, Ill.

BUTTERFLY SCHOOL

I am 11 years old, weigh 73 pounds and I am four feet, five inches tall. I have light brown hair and brown eyes. My hobbies are playing the piano and riding my bike. My birthday is September 15. I am in the sixth grade at Butterfly School. Would like to hear from boys and girls my own age.—Shirley Ann Henson, R. R. 3, Xenia, Ill.



LIKES TO COOK

I am 10 years old and my birthday is November 4. I have blonde hair and brown eyes and I am in the fifth grade. I have three sisters and two brothers and I am four feet, nine inches tall and weigh 70 pounds. My hobbies are playing the piano, sewing and cooking. I will try to answer all letters I receive.—Geneva Joyce Smith, R. F. D. 1, Marion, Ill.

SEWING AND READING

I am a girl 11 years old and my birthday is August 11. I have blonde hair and brown eyes and I weigh 70 pounds and I am four feet, 11 inches tall. I am in the seventh grade. I have three sisters and two brothers. My hobbies are sewing and reading. I will try to answer all letters received.—Jewell Smith, R. F. D. 1, Marion, Ill.

COLLECTS BOOK MATCHES

I am 15 years old, have blue eyes and dark brown hair. I am five feet two inches tall and weigh 110 pounds. My hobbies are collecting book matches. I like to ride a horse and go swimming. I go to Pawnee school. I have two sisters and one brother. Would like to hear from boys and girls between 15 and 18.—Barbara Parsons, Pawnee, Ill.

ANOTHER STAMP COLLECTOR

I am eight years old and I have brown hair and grey eyes and I am in the second grade. My birthday is June 1. My hobby is stamp collecting and I would like to hear from anyone who collects stamps and might have some to swap. I have recently moved to Illinois.—James Everett Steenberger, R. R. 2, Fairbury, Ill.



TRICK RIDING

I am 13 years old and I have black hair and brown eyes. I am five feet, three inches tall and I go to Beecher City Community High School. My hobbies are horseback riding, trick riding, acrobats and collecting pictures of horses. Would like to hear from boys and girls between the ages of 13 and 19.—Violet Clark, R. R. 1, Shumway, Ill.

AN APRIL BIRTHDAY

I am 15 years old, have blonde hair and blue eyes. I am five feet, two inches tall. My hobbies are cooking and singing. I would like to hear from boys and girls between 14 and 16 and I will try to answer all letters. My birthday is April 18.—Shirley Allen, R. R. 6, McLeansboro, Ill.

ROLLER SKATING

I am a boy 13 years old and I have blue eyes and blonde hair. I like fishing, roller skating at rinks and band. I would like to hear from boys and girls between 10 and 16.—Lester E. Harden, R. R. 2, Rossville, Ill.

AN APRIL BIRTHDAY

I am 11 years old and my birthday is April 29. I have blonde hair, blue eyes and I am four feet, eight inches tall. My hobby is listening to hillbilly music. I would like to hear from boys and girls between the ages of 10 and 13. Hilda Allen, R. R. 6, McLeansboro, Ill.



SEPTEMBER BIRTHDAY

I am 13 years old and my birthday is September 7. I am five feet, two inches tall and I have light brown hair and dark brown eyes. My hobbies are horseback riding, reading and listening to western music. I am in the eighth grade at Jones Ridge School. Would like to hear from boys and girls between 13 and 15.—Maggie Jane Moureau, Cora, Ill.

INCOME

For the first quarter of 1953, farm income in the U.S. was down two per cent from the year before. Bigger sales volume almost made up for the lower prices received this year.

TRUCKS

Farmers in the North Central States move 92 per cent of their products to initial market by truck. This includes 94 per cent of all grains, 88 per cent of livestock, 96 per cent of milk. The use of trucks serving the farmer has risen 1,700 per cent since 1921.

PANIC

Marketings of cattle reached panic proportions in April. For the first three weeks, slaughter at major markets was reported to be up 44 per cent from the year before. Marketings and slaughters continued near this level for the rest of the month.

FREEZERS

Food freezers are found in from 11 to 12 per cent of homes in the U.S. that are wired for electricity. There are approximately five million of them in use.

FIRES

A leaky roof can cause fire! That paradox occurs on farms, where weathertight roofing is necessary to keep hay from getting wet. Wet hay ignites spontaneously.

FROM USDA

Reports that the 1953 wheat crop will be over a billion bushels has caused concern to Secretary of Agriculture Benson as to available storage facilities. There will be on hand about 575-million bushels of old wheat when the new crop comes in.

Use of a new herbicide (MCP) to kill rust spreading barberry bushes in 1953 promises to speed up eradication of these plants, which harbor the destructive stem rust disease of wheat, oats, barley and rye.

The new chemical is a hormone type herbicide and effectively eradicates the common barberry when used to spray the plant. It is not now necessary to cut down the plant.

Entomologists of USDA are planning new uses of radioactive insects and insecticides to find out how far and fast insects fly, how an insecticide kills an insect, and just how some insects (particularly houseflies and roaches) develop resistance to insecticides.

Farm real estate values showed some declines in most parts of the country during the first quarter of 1953. Declines were sharpest in the western states and more widespread than in any other four-month period since the July-November period of 1949.

Only one-third of farm sales were for cash; two-thirds of the farms bought were financed by mortgages or purchase contracts. This is the highest proportion since such estimates were started in 1946.

Federal corn insect research, which has been concentrated on

ways to control the European corn borer and the corn earworm, is to be changed to give emphasis to control of all major corn pests and to dovetail with research by states and other agencies.

FROM U OF I

If you have had trouble supplying enough forage for your livestock during July and August, try Sudan grass. Sudan has about twice the grazing capacity of most pastures at that time of year.

Pick blossoms off your newly set June bearing varieties of strawberries. Removing the blossoms the first season lets the plants grow larger and develop more runners. The result is more blossoms and more strawberries next spring.

You get the most corn from each pound of nitrogen fertilizer by side dressing during the growing season. Best results on most farms from nitrogen is when it is put on about 10 inches from the row on both sides and not too deep or roots will be damaged.

Dusting or spraying with insecticides may promote healthy growth of fruits and vegetables, but they often have just the opposite effect on humans. Even though the container may not be labeled poison, many of these substances are harmful to man.

It is a good idea never to breathe the fumes, vapors or dust of fumigants or insecticides. Do not dust or spray on windy days. You should use a safety mask with some sprays and dusts.

Feeding antibiotics in your hog ration will help get your hogs ready for the best market prices in August. One reason is the speeding of gains because the antibiotics have the effect of stimulating the hogs to eat more feed. The increase in feed expense is offset by getting the pigs to market in less time.

Ladino clover makes a good poultry range. It makes a succulent forage and will supply vitamin B as well as vitamin A for your pullets. It also supplies protein and minerals, although not enough to meet the birds' requirements.

DID YOU KNOW?

Fused tri-calcium phosphate, a newcomer to the fertilizer market, has been showing promising results. It appears to be as effective as superphosphate as a starter fertilizer.

Make grass silage from extra pasture this spring and save most of the protein-rich leaves.

If your refrigerator runs almost constantly, be sure the door closes tightly, defrost frequently and dust off the condenser coils.

Best way to control weeds in soybeans is by early cultivation before the beans are planted.

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CHOICE REGISTERED Holstein bulls with several generations of production testing and type selection background. Write for particulars or come and look at them. Farm—nine miles west of Sullivan, Ind. and 4 miles east of Hutsonville, Ill. on Indiana 154. Medsker Farms, Sullivan, Ind.

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REGISTERED POLLED Hereford bulls. Gentle, well marked, heavy boned. Also heifers, all yearlings, calftood vaccinated, priced right. Sire WPH Domino Kend., 5th, Elmer Chick, 3/4 mile north airport, Metropolis, Ill.

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● Farms, Real Estate

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