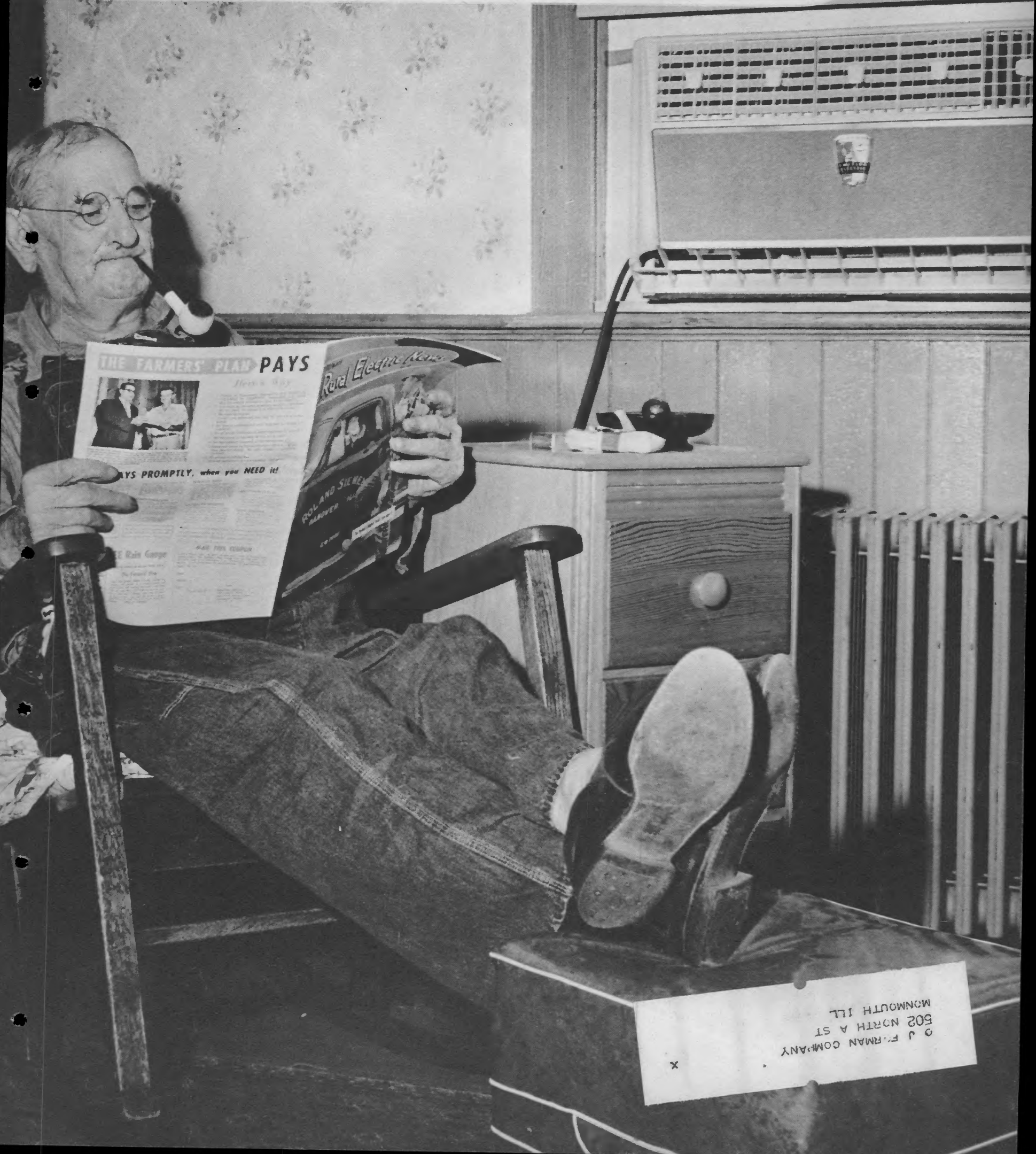


Illinois

Rural Electric News

July, 1956



O J FARMAN COMPANY
502 NORTH A ST
MONMOUTH ILL

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CONSUMPTION RISING

Farmers using electricity to boost efficiency

DESPITE the decline in farm income, the use of electricity in rural areas in Illinois is steadily rising. This indicates that farmers are now aware of the fact that electricity pays dividends by helping to cut costs and to increase output.

The emphasis on efficiency and reducing expenses in farm operations has undoubtedly been stimulated by the depressed farm situation, but the

trend towards greater efficiency in farming has been building up for many years now.

There was a time not too long ago, when most farmers looked upon electric power as a luxury, and, as such, they felt they should limit their use of it. That attitude has given way to the realization that electricity is the cheapest "fuel" a farmer can buy, and the more jobs he can get it to do, the better he can farm.

Evidence of this new attitude is to be seen everywhere in Illinois. Take the dairy areas, for example. Bulk tank milking is spreading rapidly. Down in Clinton County most of the milk is now produced by bulk tank owners. A year or two ago, only a handful of dairy farmers in that area had tanks. More and more

dairymen are installing pipeline milking with automatic cleaning devices, which combined with bulk tanks, allow them to increase their herds and their production, and at the same time cut their time and labor.

Dairymen in Illinois look upon these modern applications of electricity to dairying, as inevitable, and contend that the producer who wants to stay in dairying will have to adopt modern methods.

Moreover, cattle feeders all over the state are applying co-op power to equipment that will feed their livestock practically automatically. A few dollars worth of electricity does a chore that formerly required a lot of costly, time-consuming, hand labor. In addition, feed mixing, grinding, drying and moving grain, have now been mechanized on many farms, thanks to electricity.

And inside the farm house, the same attitude towards electricity is now generally held by farm families. While the electric refrigerator, home freezer and range, and countless other home appliances, may not be put-

ting a nickel's worth of profit in the pockets, farm families are using more electricity, not less, and will go on doing so. They may turn off lights more frequently, but they will not turn off their refrigerators or stoves or home freezers. Nor will they throw away their television sets or water systems.

Additional substantiation that the decline in farm income is not leading farmers to reduce their use of electricity, is in a recent survey conducted by the U. S. Department of Agriculture. Reports from 22,000 farms across the nation, showed a general increase in electrical consumption in all regions. The average use of electricity per farm in July, 1955, was 385 kilowatt-hours compared to 227 kilowatt-hour averages in July, 1947-52.

Farmers have come to look upon their co-op electricity as indispensable both in modern farm living and in efficient farm production, and so it can be expected that farmers will continue to increase their consumption of power.

PRESIDENT Eisenhower signed the 1957 appropriations bill for the department of agriculture, which included \$314-million for the Rural Electrification Administration, last month. The fiscal year started July 1.

The final bill, a compromise between Senate and House versions, allows REA to put into reserve, electric funds not to exceed more than \$25-million, and telephone funds not to exceed more than \$20-million, if the agency so desires.

As the bill now stands, \$214-million has been appropriated for electric loan funds, including the reserve; \$100-million for telephone loan funds, including the reserve; and \$8,600,000 for administrative expenses.

* * *

Dairyland Power Cooperative has cut its rates 34 per cent in the past eight years, John P. Madgett, the co-op's general manager reported at the co-op's annual meeting. And with these reduced rates, farm use of electricity has tripled, he pointed out.

Our Cover

Eighty-one-year-old Frank Heilmann of near Albers, relaxes in cool comfort enjoying a good smoke while he reads one of his favorite publications, the Illinois Rural Electric News.

Frank, who is retired from farming and living with his son's family, has a heart condition. Hot, humid days were unbearable before he got his air conditioner a year ago. Now he finds weather doesn't bother him.

"I just couldn't stand summer any more without my air conditioner," he says. A lot of folks along rural electric lines feel the same way.

Washington Roundup

The power co-op is the biggest of its kind in the United States. It is owned by 26 rural electric co-ops in Illinois, Iowa, Minnesota, and Wisconsin. Together, they have 90,000 rural customers. Jo-Carroll Electric of Elizabeth is a member of Dairyland, and receives power from it.

Dairyland has \$50-million invested in generating and transmission equipment. Last year, it paid \$250,000 in taxes, \$847,000 in interest on its REA loans, and more than \$1-million on principal. Equities that the 26 co-ops hold in Dairyland increased \$750,000 last year—about \$8 for each of the co-op members served.

* * *

The deeply-split Chudoff House Committee asked President Eisenhower to fire two top Interior Department aids. A majority of the committee declared that Clarence Davis, undersecretary, and Fred G. Aandahl, assistant secretary for water and power, "are out of sympathy with and unwilling to carry out the laws they are responsible for executing."

Other members of the committee issued a separate report in which they termed the majority's views were a textbook for socialism, a manifesto of nationalization, and a vicious attack on free enterprise.

The majority said Interior used "every conceivable device" to destroy the partnership between Southwestern Power Administration and electric co-ops and to force the co-ops to buy their power from private utilities.

The majority also condemned Interior officials for using every possible pressure to force Georgia power co-ops to buy from Georgia Power Company instead of selling them electricity from Clark Hill dam. "In this dispute, Former Secretary McKay et al., deliberately suppressed an opinion from Attorney General Brownell, upholding the co-ops' rights, and tried to 'trick' the co-ops into a contract Brownell had condemned."

The House committee's report also attacked former REA administrator Nelsen for what it termed forcing a Colorado power co-op to integrate its new plant with Western Colorado Power Company despite an REA staff study showing it would

be cheaper for the co-op to go it alone.

* * *

THE National Rural Electric Cooperative Association celebrated the 20th anniversary of REA by laying the cornerstone of its new NRECA eight story building in Washington, D. C., May 20.

* * *

Efforts of the North Plains Electric Cooperative of Perryton, Texas, to peacefully negotiate differences with the Community Public Service Co. by selling its urban lines to the commercial utility, and purchasing CPS' rural lines, have failed because the power company wants a horse for a rabbit, according to the co-op.

The North Plains News, published by the co-op, reported that negotiations broke down when the CPS insisted that it would sell only 94 rural consumers services to the co-op and retain 39 others. In return, the power company demanded all the

(Continued on page 14)

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Beauty

A beauty contest will again highlight this year's caravan meetings. Winners of local contests will vie for the title of Miss Illinois Rural Electric Co-op at the state contest held in Springfield in September. The state winner will represent Illinois in the national contest to be held in Chicago next March. Last year's state winner on the left was Miss Rosanne Allen of Carmi, who represented Wayne-White Counties Electric Cooperative of Fairfield.



Talent

Another feature of the caravan meetings is the local talent contest. Winners will represent their co-ops in the state contest, held in Springfield. Cash prizes are awarded. Miss Barbara Gordon of Blandinsville, winner last year, is pictured receiving her award from State Association President William Bradley. She represented Western Illinois Electrical Cooperative of Carthage.



Entertainment

Magic, comedy, pantomime, just plain nonsense, fill the routine of Nardini and Nadyne, a team of performers who have played all over the nation for the past 15 years in supper clubs, theaters, television, conventions, fairs, and annual meetings. They will appear on both the night and day shows of the caravan.



Music

During intermissions in the program, Keith Pierce will provide organ music. Keith will appear at all of the caravan shows. He was with last year's caravan and was well-received by the members in attendance. Keith is a versatile young organist. He is a student at Southern Illinois University at Carbondale.

Annual Meeting CARAVAN!

Come one! Come all!

Annual meeting time is here again.

Over 50,000 persons attended last year's caravan, sponsored by 10 co-ops.

THE caravan features co-op business combined with lively entertainment, contests, and demonstrations. At the business session, held on the second day of the meetings, co-op members will have a chance to hear the reports of the officers, and to elect directors. This is the members' opportunity to become better acquainted with their individual co-op and its operations.

A representative from the division of State Highway Police will present an informative demonstration on radar and how it is being used in Illinois to catch speeders.

Also there will be a demonstration on electric line safety, presented by the two job safety and training instructors of the electric cooperatives in Illinois, Glenn Strong and Clarence Scott.

Night Shows

The first dates in the listings on the right indicate the schedule of the night shows. These evening performances will begin at 7:30 p.m., standard or daylight savings time depending on the prevailing time in each local area. Keith Pierce will be opening the programs with music. Nardini and Nadyne will present their act, and the talent contest will be held.

★ ★ ★

Day Shows

The day shows are the dates listed second in the listings. These shows will start at 9:30 a.m. (prevailing time in the local area), and will include the business meeting, hot line and highway police demonstrations, and the beauty contest. Keith Pierce and Nardini and Nadyne will also be on the day programs.

CARAVAN ROUTE

WINCHESTER—July 26 and 27 Illinois Rural Electric Co.

CAMP POINT—July 30 and 31 Adams Electrical Co-op.

CARTHAGE—August 2 and 3 Western Illinois Electrical Co-op.

AUBURN—August 6 and 7 Rural Electric Convenience Co-op

BROWNSTOWN—August 9 and 10 Southwestern Electric Co-op

DONGOLA—August 14 and 15 Southern Illinois Electric Co-op

STEELEVILLE—August 17 and 18 Egyptian Electric Co-op.

ELDORADO—August 20 and 21 Southeastern Illinois Electric Co-op

FLORA—August 23 and 24 Clay Electric Co-op

FAIRFIELD—August 27 and 28 Wayne-White Counties Electric Co-op



Air Conditioning Tips

Here are some ideas on how to get more cooling from window units

YOU can extend the usefulness of your window air conditioner with a little ingenuity.

To help your air conditioner cool a larger area open a window slightly to draw cool air from the air conditioned room to an adjacent room or you can use an ordinary electric fan to push cool air into another room.

Another idea is to have the kitchen ventilating fan operating and open the living room and perhaps dining room to the kitchen. This causes a movement of the cooled air through the second or even third room, consequently, giving some relief to the cook.

In making plans for extending the services of a single air conditioner, the unit should be installed in a window that affords the best air flow in the direction of the second room.

Because it is difficult to draw cool air around corners, houses with open floor plans are best suited for the scheme of enlarging the service offered by a single window unit.

Since cold air is heavier and settles to the lowest places, warm air registers of the floor or baseboard type should be closed. Cold air ducts used with gravity heating systems can be covered.

If a fan is used, it should be located on a chair or a small table in the path of the cool air flow and in line with the doorway of the

second room. The fan should draw enough of the air from the conditioner to provide supplemental cooling for the additional room.

A considerable part of the cooling effect is from air movement. Since this is true, shutter doors at the end of a room can promote this pleasing air flow.

Purchase of a second window conditioner, or having a larger sized unit can often satisfactorily cool a smaller home. A 1½ ton unit should hold two large rooms to a reasonable temperature. A two ton unit, the largest in window conditioners, should extend cooling to three or perhaps four rooms in a small house. Of course, provision must be made for free air flow.

In attempting to extend the effect of window air conditioners, some sacrifice has to be made in the cooling. Extremely low temperatures cannot be had, or held without running the conditioner at full capacity for long periods of time.

If a thermostat is used, it should be placed at some distance away from the conditioner in order to obtain a cooler temperature over the larger area covered.

A good rule to follow is to hold the interior house temperature at about 10 degrees less than that being registered outside. It is the contrast that gives body comfort, along with the dehumidification of the air.

Starting the conditioner early in the day before the peak of outside heat is reached is considered a good tactic.

Location of the conditioner is important. If possible, the unit should be on the north side of the building where it will be in the shade all day. Second best choice is an east window, where it is exposed only to the morning sun.

South Side Is Poor

When placed on the south side of a house, the conditioner is exposed to the direct rays of the sun for the entire day. On the west side the afternoon sun plus the extra hours of daylight in summer makes this location also undesirable.

South and west locations are bad because there is an accumulative effect of the heat on the conditioner which cannot be overcome until night-time. The greatest demands on the conditioner are during the time of the greatest outside heat. Since the conditioner removes heat from the interior by discharging it to the outside it can be realized that this exchange is taking place under the poorest conditions possible.

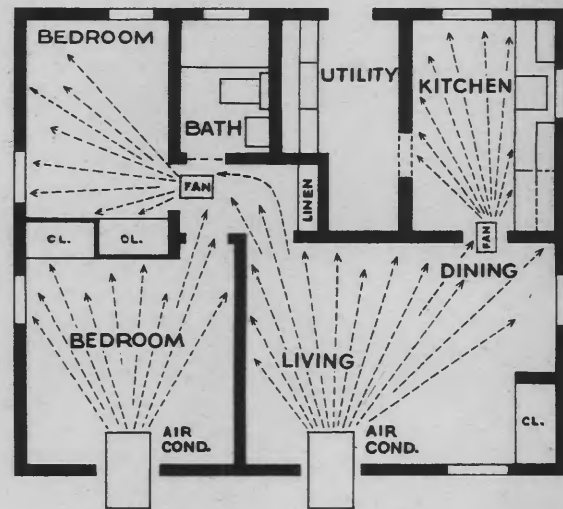
Should the choice for location of the conditioner be in one of the poorer locations, some aids are now available to help remedy this disadvantage.

These aids are in the form of window awnings designed for protecting the conditioner. They may be of the canvas or metal. Especially attractive are the new metal window awnings which are made so that they can be rolled up much like the older type canvas awning. Since they are of metal, their reflection value is high and they will not deteriorate with age.

In locating the conditioner, if advantage can be taken of low overhanging house eaves, or of nearby shade trees, the homemaker is indeed fortunate. The work load on the window conditioner can be eased also by frequent checking of the air filter to see that it is not clogged with dust so that it will permit free passage of the cooled air. Use of storm windows, insulation, attic fans, and awnings all help air conditioners to operate more efficiently and less expensively.

By blocking off some rooms in your home, such as the bathroom, utility room, and bedrooms during the day, you can make your window unit do a more effective job over a greater area.

Despite what advertisements claim, window air conditioners have limitations, and generally, you cannot expect to air condition the average house even with the largest of these units. However, by following the suggestions provided, you can extend the comfort of a single unit to more than just one room.



How to cool four rooms instead of just two with two air conditioners. Units are installed opposite doors of non-air conditioned rooms. Ordinary electric fans help push cool air from one room to another.



Ted Hebert watches feed being prepared for his 42 beef cattle. Two minutes of his time, enough to set the controls, is all that it takes him.

Heart of automatic, electrically-powered feed system is mix-mill in pit. Grain is channelled into it through pipes from bins.

MORE CATTLE, LESS WORK

Ted Hebert increased his beef herd from nine to 42, yet cut his labor time from 30 to two minutes

THE ringing of an alarm clock awakens Ted Hebert of Pana from a sound sleep. "Time to feed the cattle," he says to himself. He reaches out to flick a switch near his bedside, and then falls off to sleep again.

Now this actually doesn't happen. But it could if Hebert wished. All he would have to do is connect his electrically-powered, automatic feeding system to a remote control switch in his bedroom, and he could perform the chore without even getting out of bed.

"My wife accuses me of planning just that," quips Hebert. "But, believe me, I still like to be around when I feed cattle. I just didn't like the hard work, or had enough time for them. That's why I simplified the feeding job." He lets electric power grind, mix, distribute and feed the grain.

As a result, Hebert is able to feed 42 cattle now with less time and labor. He used to have only nine head a year, and it took 30 minutes to feed them. Now, it takes only about two minutes of his time—enough to set the machinery in motion to feed 42.

Mainly a grain farmer, Hebert farms 340 acres of good central Illinois land. But with low crop prices, Hebert wanted something to supplement his income.

He decided on beef cattle. The problem facing him was shortage of manpower. "It wouldn't have paid me if I had to hire a man," he points out.

Hebert realized he spent anywhere from 30 to 40 minutes a day feeding only nine head. "At that rate, I would be busy all day taking care of 42," he reasoned. That's when he read about the mix-mill, in the Illinois Rural Electric News. Instead of carting his feed to town, having it ground and mixed at a cost of \$10 a week, he

could do the entire job on his own place. And with a blower attachment, piping, and a self-feeder, he could solve his entire feeding problem, he decided.

He purchased one of the mills and installed it in his granary. He put it in a pit, in order to cut down on the length of pipes leading from the bins into the hopper.

He sloped the floors of two of his storage bins in the granary and cut an opening for the pipes feeding the mill to fit. Thus, gravity moves the corn and barley from bins to mill.

Slightly above and to the right of the mill, he attached to the wall a 500-bushel hopper which he got out of an old combine. This he fills with his pellet supplement. It also has a pipe leading into the mill.

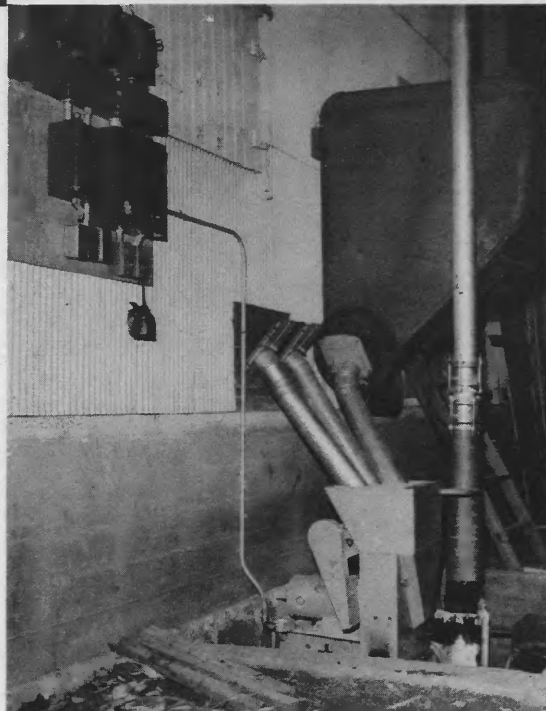
He estimates that the supply, when the bins and hopper are full, is enough to feed his present herd from 90 to 100 days. Hebert is presently using a mixture of shelled corn, barley and supplement pellets. The mixture is three parts corn, 12 parts barley and one part supplement.

Dials on each hopper of the mill control the rate of mixing. Three of these dials have been pre-set by Hebert. To start the operation, he needs to turn only the timer control and the switches which activate the mill, blower and feed auger.

Hebert blows the ground feed through 125-foot of aluminum irrigation pipe suspended from a cable across his feedlot to his feeder located in his loafing barn. "I decided on irrigation pipe because it is lighter and tighter than other types of pipe," Hebert points out.

At the end of this pipe, Hebert has a funnel which channels the grain down into a 20-foot auger which distributes the grain over a 24-foot bunk. The auger is suspended between two, 2

(Continued on page 14)



Feed is blown 125 feet to loafing barn where auger distributes grain over a 24-foot bunk. Everything is automatic except pressing the buttons.

What kind of a pump to buy? Here are facts to help you select . . .

The Right Pump for The Right Job

By **ROBERT M. PEART**
Agricultural Engineer, University of Illinois

WHEN you put in a new water system, you now have several new types of pumps to choose from. Some have come into general use only in the last few years, so you will be interested in knowing the advantages of each for various uses.

The right pump for your well will give years of trouble-free service, but the wrong choice of pump for your particular well could mean frequent pump troubles. Your water supply is all-important, so choose your pump with care.

Your first choice of general type of pump depends on the depth of your well. When the water level does not go lower than 20 feet below the pump while pumping, a shallow-well pump will do the job. Lower water levels call for a deep-well pump.

The types described here are available for shallow-well or deep-well use. One of them, the submersible pump, is generally used only for deep wells, however.

This newest farm pump, the submersible, has aroused the interest of many pump buyers. The pump and special motor are mounted on the same shaft to form a long, slim unit which is lowered into the well and submerged in the water. Units come in diameters small enough to fit in a four-inch well casing.

Series of Impellers

The pump is simply a series of centrifugal impellers. There are commonly about 12 of these impellers, or stages, but there may be as many as 50 of them. More stages produce more pressure for deeper wells and more water.

The motor is hermetically sealed and is cooled by the water. The bearings are either water-lubricated or sealed in oil.

Power to this under-water motor is fed through a special submarine cable. The electrical controls and motor capacitors are located in a weather-tight box at the top of the well.

The main advantage of the submersible pump is its high efficiency. At depths below 100 feet, it is especially noticeable that the submersible will pump more water with less

horsepower than any other type. If you pump a lot of water from a deep well, this efficiency could save substantial power costs. However, for average pumping from a well less than 100 feet deep, it would hardly be noticeable.

The "bugs" have been worked out of submersible pumps. You can expect long life from a reputable brand pump installed by a reliable dealer.

Relatively Expensive

The submersible pump has many close-fitting parts. Any kind of sand in the water will damage it rapidly. High quality of materials and workmanship are generally employed in making these pumps, and they are relatively expensive.

Some people have had the misfortune of buying a submersible pump that pumped too fast for their well. This is easy to do since the smallest unit, 1/2 horsepower, will pump as much as 800 gallons an hour. There are a lot of wells in Illinois that will not produce water that fast. The roiled-up water resulting from pumping the well dry can damage the pump. If your well is slow, a submersible is probably not your best choice. It is a good choice for a well 150 or more feet deep pumping 600 gallons an hour or more.

In the past several years, the jet pump has been rapidly accepted and is the most popular type being purchased now. The jet is really only a part of the pumping system, but a very important part. The pump itself is usually a centrifugal impeller.

This centrifugal pump forces part of the water into the pressure tank and part of it through the jet. The high-speed jet of water causes reduced pressure which draws in more water from the well. The force of the jet and the suction of the pump carry the water on to the pump.

In a shallow-well jet system, the jet assembly is right on the pump. In a deep-well system, the jet is down in the water. Two pipes are usually needed, one going down to the jet, and one going back up to the pump.

In a drilled well, a one-pipe system can be used. The return water goes down between the casing and the

pipe and back up through the pipe. The new twin plastic pipes make the installing of a deep-well jet much easier.

An advantage of the jet pump is that it need not be located directly over the well. It is a simple mechanism that requires very little service. Sand will damage it, though not as rapidly as it will a submersible pump.

Jet pump efficiency lowers with the water level, because more and more water must be returned to the jet. Jet pumps can draw water from as deep as 200 feet, but below 80 to 100 feet efficiency drops off fast.

Some deep-well jet pumps use a turbine wheel instead of the centrifugal impeller. The turbine wheel has a row of small cups on one side which scoop water from the suction inlet and deliver it to the pressure outlet.

The turbine pump is used as a shallow-well pump without a jet assembly. For deep-well operation, a jet in the well is used.

Will Damage Pump

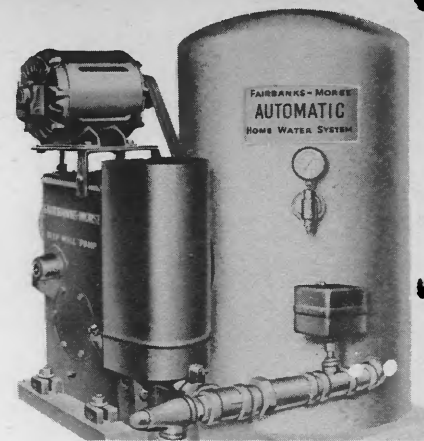
Sand of any kind will damage the turbine pump. Like the centrifugal jet pump, the turbine need not be located directly over the well. It is a simple, trouble-free pumping mechanism as is the centrifugal jet.

The turbine impeller will build up higher pressures than will a single centrifugal impeller. The turbine pump is more efficient than a centrifugal jet for pumping against pressures higher than the normal top pressure of 40 pounds. This would be an advantage if your pump is located much lower (20 feet or more) than your faucets and waterers. You would then need higher than 40 pounds pressure to keep good pressure at the faucets.

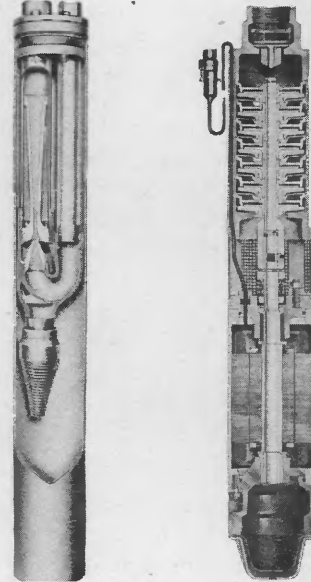
The oldest type farm pump is the piston type. It has a cylinder at the pump for a shallow well. For deep wells, the cylinder is located in the water and a long pump rod drives the piston up and down in the cylinder.

Repairs are simple on a piston pump. Replacement of leathers and

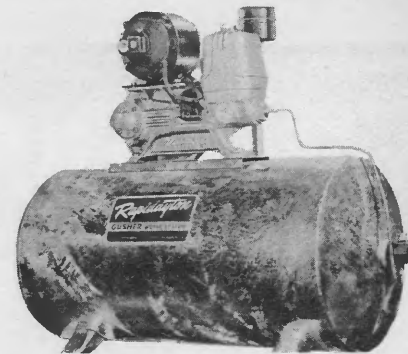
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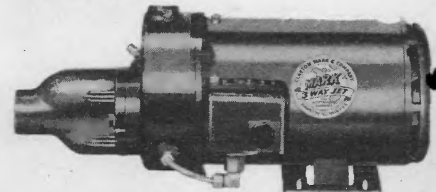
A typical deep-well piston system includes the pressure tank and the working head which must be located directly over the well to drive the pump rod.



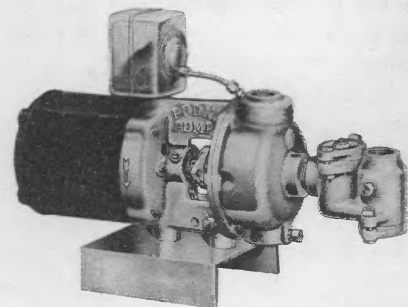
Two cutaway pictures of two different types of submersible pumps. The one on the left is a jet pump, while the one on the right is a centrifugal impeller.



A shallow-well piston system which does not need to be located directly over the well.



A jet pump like this can be changed from shallow-well operation to deep-well by removing the jet assembly, on the left end of the pump, and relocating it down in the well.



The turbine pump is located in the housing to the right of the motor and is directly connected to the motor shaft.

Electronic Cooking Is Coming

BARBECUED pork chops ready to eat in 10 to 12 minutes! Hot dogs cooked in buns in 20 seconds! Rolled roast ready in 30 minutes! Baked potatoes in four! Those are a few of the remarkable cooking speeds possible in Kelvinator's new electronic range.

Termed a "range" instead of an oven because it cooks 90 per cent of foods cooked on surface units, the electronic range opens up an entirely new era in homemaking. Cooking is done in minutes instead of hours. And, foods can be cooked on serving dishes of fine china, paper plates, glass and other non-metal utensils.

The electronic range cooks by high frequency microwaves which have unique properties. Material in the microwaves' path does one of three things: reflects, such as all metal surfaces; transmits, such as paper, cardboard and glass; or absorbs, such as foods.

Microwaves penetrate food up to a depth of 2½ inches, causing agitation of molecules and friction to produce heat for cooking. They are carried forward from a magnetron through a



Hot dogs are cooked right in the buns in the Kelvinator electronic range. And stale rolls or baked goods can be refreshed right in the sack in half a minute.

wave guide and reflected downward into the range cavity. A stirrer, or four-blade fan, distributes the waves uniformly through the range interior.

Electronic cooking is cool too, because the microwaves create heat only in food, not in utensils or in the range interior. Thus, new comfort and safety are introduced into cooking. Utensils only become hot as heat from the food is transmitted to them. Hot pads are required only when the special browning element is used.

Temperature is eliminated as a cooking factor and all cooking is determined by time. The microwave cooking control contains an automatic timer calibrated in seconds and minutes.



A five pound roast can be cooked in 30 minutes. A special electronic range thermometer provided with unit helps to insure perfect roast.

When cooking time is completed, a signal bell rings until manually stopped.

Because foods cooked in less than 18 minutes will not brown, the electronic range has a specially-designed high-speed browning element for browning broiled steaks and other foods requiring browning or a crust. It may be operated simultaneously with the microwave cooking.

Four knobs above the door control all functions of the range. One knob turns on the main power, while another activates the magnetron for microwave cooking and also automatically times the cooking operation. A hi-lo selector permits an alternate speed for cooking such items as roasts. The fourth knob controls the browning element and is calibrated up to five minutes.

MORE EFFICIENT

A change is taking place on Price J. Stubblefield's 360 acre farm southwest of Bloomington. He is in the process of developing his dairy herd to 40 cows, while decreasing labor an hour or more a day.

Here's how he is making the change:

In 1952, Stubblefield decided to produce grade A milk. He had only seven cows. For a while he considered building a stanchion barn. But when he considered the cost, the amount of labor involved and also the limited expansion possible, he built a three-cow, elevated parlor instead.

"With a stanchion barn, I would have had room for only 16 milk cows. I would have had to carry feed, manure and milk. There would have been a lot of work, and little time for doing it."

As for cost, he found that a parlor was only \$1,100 more than the barn, and that he could expand his herd more easily. He also was convinced the greater investment would pay more dividends in the long run. "For one thing, I knew I would save on labor.

"I figured it would take me at least an hour and a half to milk 16 cows. Now, I have 25, and it only takes me an hour for each milking."

Stubblefield built his parlor 12 by 32-feet. He added a 10 by 12-foot milk house on the

south side. The total cost of the two buildings was \$3,129.

At the present time, he is piping his milk into cans in his cooler. But he plans to eventually add a bulk tank to do away with cans. However, his present system still saves labor. He has an open-front cooler, and slides the cans in and out. There's little lifting.

And he has installed an electronic-brain washer to clean the pipeline and milk cups. Stubblefield explains, "It still takes the same time to get the milk from the cow. The only thing I'm decreasing is the labor involved in preparing the cow and handling the milk."

Stubblefield believes there's still profit in dairying on a large volume basis. "The more cows you milk, the more you stand to make," he reasons.

At present his production is averaging around 10½ cans a day, or 832 pounds of milk. He is getting around \$4 a hundred, which means he is grossing milk about \$35 a day.

Though there's only a small profit in dairying, Stubblefield is determined to stay in it. "I like cows. They are good for the farm. The manure they supply can't be beat by commercial fertilizers."

Stubblefield is a member of Corn Belt Electric Cooperative of Bloomington.



Price Stubblefield of near Bloomington pipes his milk directly into the cans, now.

By changing this pipeline connection, Stubblefield can clean his line automatically.



NOW AT THESE KELVINATOR DEALERS...

**REA
FREEZER SPECIAL
for July**

**1956 KELVINATOR!
BIG 15-CU. FT.
CHEST-TYPE FREEZER**



Kelvinator Model KFZ-15

NEW SPACE-SAVING DESIGN STORES 525 LBS.

Whether you need far more frozen food storage or fresh food storage, get the advice of your Kelvinator dealer. He can offer you Kelvinator refrigerators, freezers, or refrigerator-freezer combinations in the widest

range of sizes, styles and prices. And only Kelvinator gives you low original cost, low operating cost, and years and years of trouble-free Kelvinator service!

**Special Prices...
Special Terms...
for REA Families!**

SPECIAL FARM INSTALLMENT PLAN!
Your Kelvinator dealer has a real special farm installment plan for you on this offer. It includes such features as low down payment, installments on annual, semi-annual, quarterly or monthly basis, according to your harvest-time requirements. Come in now!

At these **Kelvinator** Dealers

Division of American Motors Corp., Detroit 32, Michigan

- ALBION, ILLINOIS
Central Illinois Electric & Gas Company
- ALTON, ILLINOIS
B. F. Goodrich Company
- ALTON, ILLINOIS
L & L Refrigeration Company
- BALDWIN, ILLINOIS
Wehrheim Mercantile Company
- BELLEVIEW, ILLINOIS
Eidman Appliance Company
- BENTON, ILLINOIS
Knight Furniture Company
- BLOOMINGTON, ILLINOIS
Bender Furniture Company
- BLOOMINGTON, ILLINOIS
B. F. Goodrich Company
- BONNIE, ILLINOIS
C. G. Lang General Merchandise
- BRADLEY, ILLINOIS
Guiss Furniture
- BUSHNELL, ILLINOIS
Brown Lynch Scott Stores
- CAIRO, ILLINOIS
Hornberger Sheet Metal
- CARBONDALE, ILLINOIS
Renfro Furniture Company
- CARLINVILLE, ILLINOIS
Lott Ice and Coal Co.
- CARLINVILLE, ILLINOIS
Schwartz Furniture Company
- CARLYLE, ILLINOIS
A. F. Gross & Son
- CARMI, ILLINOIS
Downen Furniture Company
- CARTHAGE, ILLINOIS
Brown Lynch Scott Stores
- CENTRALIA, ILLINOIS
B. F. Goodrich Company
- CHAMPAIGN, ILLINOIS
Lillard Furniture Company
- CHARLESTON, ILLINOIS
Stitt Appliance Store
- CHRISTOPHER, ILLINOIS
Mann's Appliance Company
- CLAYTON, ILLINOIS
Ralph E. Moellring
- COLLINSVILLE, ILLINOIS
Howe Electric Company
- COLUMBIA, ILLINOIS
Wm. & Leo Sanders
- DANVILLE, ILLINOIS
Meis Brothers
- DECATUR, ILLINOIS
B. F. Goodrich Company
- DECATUR, ILLINOIS
Rusk & Morrow
- DuQUOIN, ILLINOIS
Huie Motor Sales
- EASTON, ILLINOIS
Fager Hardware
- EAST ST. LOUIS, ILLINOIS
B. F. Goodrich Company
- EAST ST. LOUIS, ILLINOIS
Thrifty Furniture Mart
- ELDORADO, ILLINOIS
Southeastern Illinois Electric Co-op
- ELLIOTT, ILLINOIS
W. D. "Bud" Kreitzer
- EL PASO, ILLINOIS
Sampen Hardware
- ERIE, ILLINOIS
Hunt Hardware
- FAIRBURY, ILLINOIS
Zimmerman Hardware
- FAIRFIELD, ILLINOIS
Rush Maytag Sales & Service
- FLORA, ILLINOIS
Cash-Way Super Grocery & Appliance Company
- GILLESPIE, ILLINOIS
Corkin Appliances
- GRANITE CITY, ILLINOIS
State Radio & Television Company
- GREENVILLE, ILLINOIS
Hediger Electric Service
- HARRISBURG, ILLINOIS
Farmers Supply Company
- HERRIN, ILLINOIS
Brown & Colombo
- HIGHLAND, ILLINOIS
Roland Harris Furniture Company
- JACKSONVILLE, ILLINOIS
B. F. Goodrich Company
- JERSEYVILLE, ILLINOIS
Sponsler's Appliance Company
- KANKAKEE, ILLINOIS
Charlie's Store
- KANKAKEE, ILLINOIS
Famous Furniture Company
- LANSING, ILLINOIS
Stainless Steel Distributors
- LAWRENCEVILLE, ILLINOIS
Clegg Brothers
- LEWISTOWN, ILLINOIS
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- LINCOLN, ILLINOIS
Lincoln Tire & Appliance Company
- LITCHFIELD, ILLINOIS
Austin Schrader Brothers
- McLEANSBORO, ILLINOIS
Downen Furniture Company
- MACOMB, ILLINOIS
Brown Lynch Scott Stores
- MANTENO, ILLINOIS
Manteno Hardware Company
- MARION, ILLINOIS
Durrall & Grisham
- MATTOON, ILLINOIS
Max W. Vest
- MONMOUTH, ILLINOIS
Brown Lynch Scott Stores
- MORTON, ILLINOIS
Morton Electric Company
- MOUND CITY, ILLINOIS
City Department Store

(Continued on next page)



Association Annual Meeting To Vote On Expanding Board

A revised form of a resolution submitted by the Co-op Presidents' Section was approved by the State Association Board on June 21 at its regular meeting in Springfield. The resolution calls for changing the representation of the State Board from one director for each three co-ops, to one director from each of the 26 member cooperatives. The resolution will be placed on the agenda of the annual meeting.

Similar resolutions were received from two co-op boards, requesting that the question of expanding the State Board be considered at the annual meeting.

The board adopted a motion that resolutions to be acted upon at the annual meeting be circulated to member co-ops for their study at least 45 days in advance of the State meeting. Also, the motion provides that resolutions from the floor can be acted upon if two-thirds of the delegates present consent to allowing the resolution to be voted upon.

David Hamil, recently appointed REA administrator, will be one of the principal speakers at the annual meeting of the Association of Illinois Electric Cooperatives. This was reported to the board by program chairman, G. Wayne Welsh. The annual meeting will be held September 6 and 7 in the St. Nicholas Hotel, Springfield.

Other highlights of the meeting, Welsh reported will be the state finals in a statewide co-op beauty and talent contests.

The board also heard reports from Edward Opfer, chairman, planning

(Continued on page 14)



CLAY ELECTRIC Cooperative of Flora, has hired Miss Linda McGee for the summer as home economist for the co-op. Miss McGee is a daughter of a member of the co-op. She is also a student at Millikin University, where she is majoring in home economics.

Miss McGee's duties will consist of assisting co-op members in the efficient use of their electric service. She is pictured, (left) explaining proper lamp height to Mrs. G. H. Colclasure of Farina.

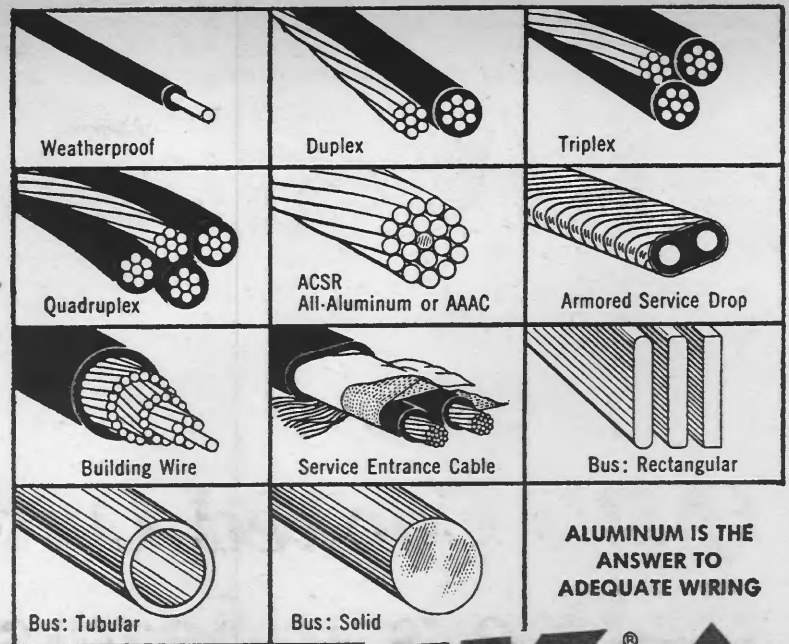
DAVID A. HAMIL, appointed to succeed Ancher Nelsen as REA Administrator, operates with his brother a 2,560 acre cattle ranch near Atwood, Colorado. He has served in the Colorado House of Representatives almost continuously since 1938, with a two-year interval in 1948 and 1949, when he ran unsuccessfully for governor. Since 1951, he has served as speaker of the House.

He helped to organize the High-line Electric Association, an REA-financed cooperative of Holyoke, Colorado and for a time served on its board of directors. He is married and has three children.

KELVINATOR DEALERS

(Continued from page 8)

- MT. PULASKI, ILLINOIS
C. F. Wagner Appliance Company
- MT. VERNON, ILLINOIS
Mitchell Furniture Company, Inc.
- MURPHYSBORO, ILLINOIS
B & K Furniture Company
- NASHVILLE, ILLINOIS
Wilke Refrigeration & Electric Sales & Service
- OLNEY, ILLINOIS
B. F. Goodrich Company
- OLNEY, ILLINOIS
Fulgham Brothers Appliance Company
- PAYSON, ILLINOIS
Payson Appliances
- PICKNEYVILLE, ILLINOIS
Pickneyville Appliances
- PITTSFIELD, ILLINOIS
Pike County Maytag Store
- PLEASANT HILL, ILLINOIS
Zumwalt TV & Appliances
- PONTIAC, ILLINOIS
S. Campagna & Sons
- PRINCETON, ILLINOIS
Swanson Electric Shop
- QUINCY, ILLINOIS
B. F. Goodrich Company
- QUINCY, ILLINOIS
Brockschmidt Plumbing & Heating Company
- QUINCY, ILLINOIS
Chanen Auto Supply Company
- QUINCY, ILLINOIS
Stroot Hardware Company
- RED BUD, ILLINOIS
Dehnes Appliance Store
- ROYALTON, ILLINOIS
Bellina Electric
- RUSHVILLE, ILLINOIS
Brown Lynch Scott Stores
- SALEM, ILLINOIS
Davis Appliance Center
- SPRINGFIELD, ILLINOIS
B. F. Goodrich Company
- SPRINGFIELD, ILLINOIS
Brunk & Snapp Company
- STAUNTON, ILLINOIS
S & L Motor Parts
- STEELEVILLE, ILLINOIS
Egyptian Electric Co-op
- TOLEDO, ILLINOIS
Neal Company
- TROY, ILLINOIS
Embrey's
- VANDALIA, ILLINOIS
B. F. Goodrich Company
- VIRDEN, ILLINOIS
Viriden Refrigerator Company
- WATERLOO, ILLINOIS
Wm. Nobbe & Company, Inc.
- WATSEKA, ILLINOIS
Watska Electric
- WEST FRANKFORT, ILLINOIS
Washum Maytag Company
- WESTVILLE, ILLINOIS
Tri-County Natural Gas
- WINCHESTER, ILLINOIS
Patterson's Home Furnishings
- WORDEN, ILLINOIS
Gene's Appliances



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Cooperatives all over the country are turning to Kaiser Aluminum for this wide range of products—plus outstanding service.

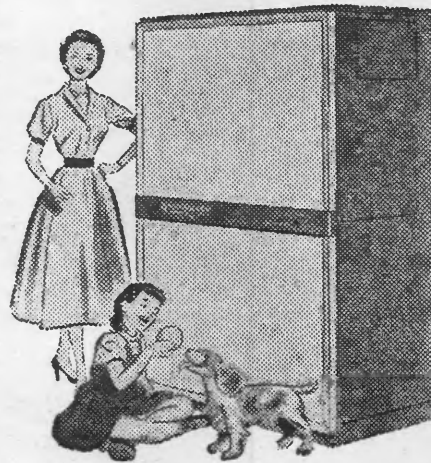
This service includes field, engineering and research assistance to help you make better installa-

tions at lower cost. Contact any Kaiser Aluminum sales office or distributor. Kaiser Aluminum & Chemical Sales, Inc., Executive Office, Kaiser Bldg., Oakland 12, Calif.; General Sales Office, Palmolive Bldg., Chicago 11, Ill.

Kaiser Aluminum

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G-E Weathertron gives you both in one all-electric, fully automatic unit



No flame! No fuel! Safer, cleaner, fresher heat. No odors, no soot. No fuel tanks, no flues.

Uses only air and electricity! All-electric controls give practical, dependable year-round indoor comfort.

Same unit COOLS by automatic reverse action. You set thermostat once, and Weathertron takes over. Heats and cools as required—switches from one to other automatically!



WEATHERTRON

Now live and relax in the ideal comfort of an "all-electric home!" Springtime always! Conditioned, filtered, healthful air surrounds you day and night—temperature always remains at your preferred thermostat setting. All-electric G-E Weathertron—now installed in

thousands of homes of every design—gives you proven, practical, dependable, fully automatic heating and cooling . . . uses only air and electricity to keep operating cost amazingly low! One unit does it all. Come in and see G-E Weathertron today!

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Springfield, Phone 8-9696

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U. S. Sheet Metal Roofing Co., Inc.
1st Avenue and Dresden
Evansville, Ind., Phone 5-2428

R. Cooper, Jr., Inc.
810 South Adams Street
Peoria, Phone 6-7607



Home-makers' Page

Edited by Kay Conlan

If It's Cooked Out-Of-Doors It Seems To Taste Better

ALMOST everyone seems to agree that food cooked out-of-doors tastes a lot better than any prepared under a roof. But maybe you think outdoor cooking involves too much fuss and bother—not to mention expensive equipment.

Well, if you are picnic minded, we've a few suggestions so that you can forget the problems and settle down to the serious enjoyment of outdoor dining.

Under the Fire

If you're using a portable grill or a rotisserie, aluminum foil can be used underneath the fire. It will reflect the heat back up on the foods, increase the efficiency of cooking and in addition, catch juices, melted fats and keep the equipment clean.

If you're broiling hamburgers or hot dogs, you'll find it much easier if you form a shallow pan by turning up the edges of a sheet of aluminum foil. Punch holes in the bottom of this pan with a fork if you want charcoal flavor to penetrate and place the food in the pan. It will broil without falling through into the fire! This is an excellent way of doing fish also, but remember to grease the foil, since fish sticks to almost anything it touches.

Serve hot bread or rolls to go with the other food. Just wrap them in aluminum foil and place at one side of the fire. Turn once or twice and they will heat while the main part of the meal is broiling.

Vegetables

Potatoes, corn and most easy-to-cook vegetables such as peas, carrots, summer squash, even mushrooms can be cooked in aluminum foil either on the grate over an outdoor fire or by placing on coals to one side of the hottest part of the fire.

Potatoes need only to be wrapped. Corn, we give a recipe for. Other vegetables are placed on a square of heavy duty foil, butter and seasonings added and the foil sealed to

make a tight package. Turn these packages once or twice and allow about the same time you would if cooking by the usual method.

In addition to all these uses of aluminum foil that simplify outdoor cooking and serving, you might like to try whole dinners, each portion individually wrapped in foil and to be eaten right from the foil.

Package Chicken Dinner

Cut chicken as for frying with legs and second joints separated, etc. Remove broken or protruding bones as much as possible. Rinse and pat dry with paper towel. Place sufficient for a serving in centers of large squares of aluminum foil. (Use two thicknesses of standard weight foil or one of heavy duty.) Add one or two small onions, quartered and several spears of partially defrosted frozen asparagus. Season with salt and pepper, add one tablespoon water and a pat of butter to each. Bring foil up over chicken, seal edges together with a tight double fold. Seal ends in same manner to make tight package. Place on grill over moderately hot fire and cook, turning once or twice, for about 50 minutes. Chicken browns through the foil . . . wonderful gravy forms . . . eat right from the foil package.

Roasted Corn

Save space at one end of grill for roasting corn, or cook while chicken is being eaten. Husks may be left on or removed . . . we find both methods wonderful. If left on, pull back and remove silk, spread with softened butter and sprinkle with seasonings. Replace husks, wrap in foil, twisting ends to secure. If husks are removed, spread corn with softened butter and sprinkle with seasonings. Double wrap in standard weight foil. Place on grill over a medium hot fire and cook turning two or three times. Takes about 30 minutes, less if the fire is quite hot.

Meatball Dinner

Season chopped beef and form into



individual portion balls. Tear off large squares of heavy duty aluminum foil. (Use two thicknesses of standard weight foil or one of heavy duty.) Place meatball in center of each. Surround with quick cooking vegetables of your choice. Small onions, potatoes, cut in lengthwise quarters, carrots, cut in lengthwise strips. Season each with salt and pepper. Add a pat of butter or margarine, a spoonful of steak sauce, if desired. Form foil into a package, sealing edges with a tight double fold. Place over a medium hot fire and cook, turning once, about 45 minutes. Beef will brown through the foil, vegetables will be delicious! Eat right from the package.

Barbecued Chicken

Use broiler-fryer chickens and have them split and back bones removed. Have them cut again making two pieces from each half. Remove any small or protruding bones that can be easily pulled out. Rinse and dry. Have fire in grill with heat of medium intensity. Brush chickens with melted butter or margarine. Place them on the grill, skin side down and broil about five minutes on a side or until nicely browned. While

chicken is browning, form a pan from heavy duty aluminum foil. Turn edges of foil up about one inch all around and miter corners. Have this pan ready at one side of the grill. When chicken is brown, transfer to the pan with kitchen tongs and slide the pan into position over the fire. Cook the chicken about 45 minutes longer basting with the barbecue sauce. If chicken is larger than usual or not as tender as desired, a piece of foil may be placed over the top of pan to hold in some of the steam while chicken is cooking. When done, the foil pan may be placed on a larger platter and the chicken served right from the foil. Note: This method of barbecuing chicken on an outdoor grill really cooks the chicken so that it is moist, tender and ready to almost fall off the bone.

Quick Barbecue Sauce

Combine one-half cup tomato catsup, one-fourth teaspoon tabasco, one tablespoon vinegar, two tablespoons brown sugar, one teaspoon dry mustard, one teaspoon salt, one medium sized mild onion, finely chopped, and two tablespoons butter or margarine. Simmer five minutes. (Enough for one chicken.)

New Patterns For Handiwork Fans

HEADING our list of pattern selections for this month is a dainty floral doily—and this one is a favorite for those who are looking for something lovely to grace their table tops. Among the other selections is a pattern for a cute and unusual clip-on hat.

As always, patterns are available without charge. In ordering, please be sure to send a **STAMPED** and **SELF-ADDRESSED** envelope for every **THREE** patterns you request, and be sure your order is postmarked on or before the expiration date on the Pattern Order Coupon.

1. **FLOWER DOILY**—Crocheted in white and shaded pinks with dainty clusters in the inner rounds. Doily measures approximately 19 inches in diameter.

2. **FILET LACE RUNNER**—Can be made in white or in whatever shade best suits your color scheme. Finished piece measures about 12¼ by 53½.

3. **CLIP-ON HAT**—Simple crochet stitches cover a plastic hat clip that fits securely over your curls. Crocheted leaves are stitched at either end of the clip and dotted with sparkling sequins and beads.

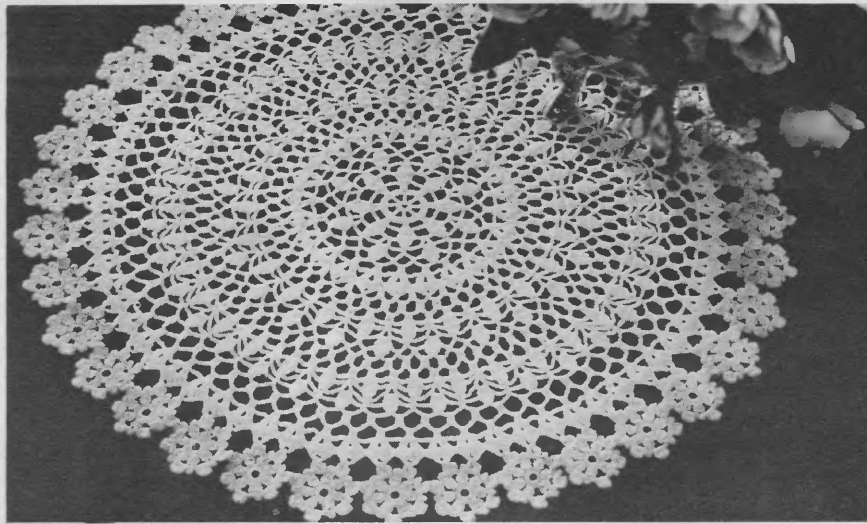
4. **HIGHLAND HOME AFGHAN**—Crocheted in knitting worsted. The vertical cross bars of plaid design are woven in and extended beyond afghan to form flowing fringe.

5. **TWO STOLES**—The delicate-patterned one on the left is crocheted while the one at right is a knitted one. Leaflet includes instructions for both.

6. **CALICO CROCHET BEDSPREAD**—Made entirely of hexagonal motifs in solid crochet with white as the background and a variety of shades for the calico pattern.

7. **TYROLEAN CARDIGAN**—Brilliantly-colored flowers adorn the front panels of the trim white knitted cardigan. A knit band of kelly green finishes the edges. Sizes 12, 14, 16, 18 and 20 included on pattern.

8. **POPCORN BLOUSE**—It's smart and stylish and easy to crochet. Perfect for summer and fall skirts.



1. Flower Doily



5. Two Stoles



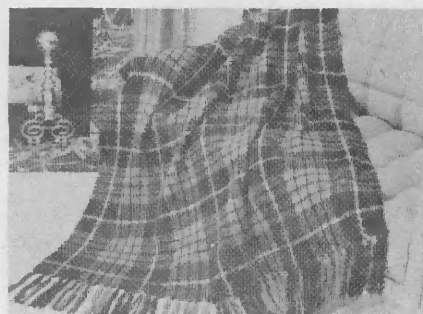
2. Filet Lace Runner



6. Calico Crochet Bedspread



3. Clip-On-Hat



4. Highland Home Afghan



7. Tyrolean Cardigan

Chlordane For Ants

The most effective insecticide for use in the home against ants is a two per cent oil-base chlordane solution. Apply it with a paint brush or sprayer as near as possible to where you think the nests may be located.

By painting or spraying chlordane along baseboards, cracks in floors, doors and window frames, sinks, and electric outlets you can check the ants before they get into foods and onto tables. Chlordane has a long lasting effect and it is usually not necessary to spray the same surface more than once every one to three months.

Pattern Order Coupon

Kay Conlan
ILLINOIS RURAL ELECTRIC NEWS
Box 1180
Springfield, Illinois

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

- | | |
|-----------------------------|---------------------------------|
| 1..... Flower Dolly | 5..... Two Stoles |
| 2..... Filet Lace Runner | 6..... Calico Crochet Bedspread |
| 3..... Clip-On-Hat | 7..... Tyrolean Cardigan |
| 4..... Highland Home Afghan | 8..... Popcorn Blouse |

My name is

Address

Comment (if any)

.....

This coupon **EXPIRES JULY 31, 1956**. Orders must be postmarked by that date.



8. Popcorn Blouse

Along the Line:

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



FOR LESS than \$50, John Merritt and his two sons, Richard and Marvin, made this two-wheel, self-unloading wagon. Richard, pictured, says the auger on the back came out of an old combine. The eight-foot auger in the bottom of the wagon was purchased.

The wagon is four feet wide and eight feet long. It is mounted on an old two-wheel trailer. "This enables us to maneuver it around better," Richard explains. The wagon is used to distribute feed to 50 beef cattle.

"We can carry enough mixed feed in it to last a day and a half," Richard points out. The Merritt farm is on the lines of Western Illinois Electrical Cooperative of Carthage.



FARM HOUSEWIFE, Mrs. Truman Pocklington of near Shipman, is very proud of this Holstein cow, part of her husband's 33 head dairy herd. This cow was grand champion at last year's Illinois' black and white show.

Mrs. Pocklington, like many other rural homemakers, takes an active interest in farm operations. During the busy season, crop planting time, she pitches in and helps with the milking and other chores around the farmstead.

"I like this type of work because

it gives me a chance to get away from the housework." She usually grooms all the cows, which are taken to shows. "It's a great thrill to have one of our cows win," she explains.

Though Mrs. Pocklington works with the dairy herd, her hobby is riding horses. She has several on

the 250-acre dairy farm, which is connected to the lines of M.J.M. Electric Cooperative of Carlinville.

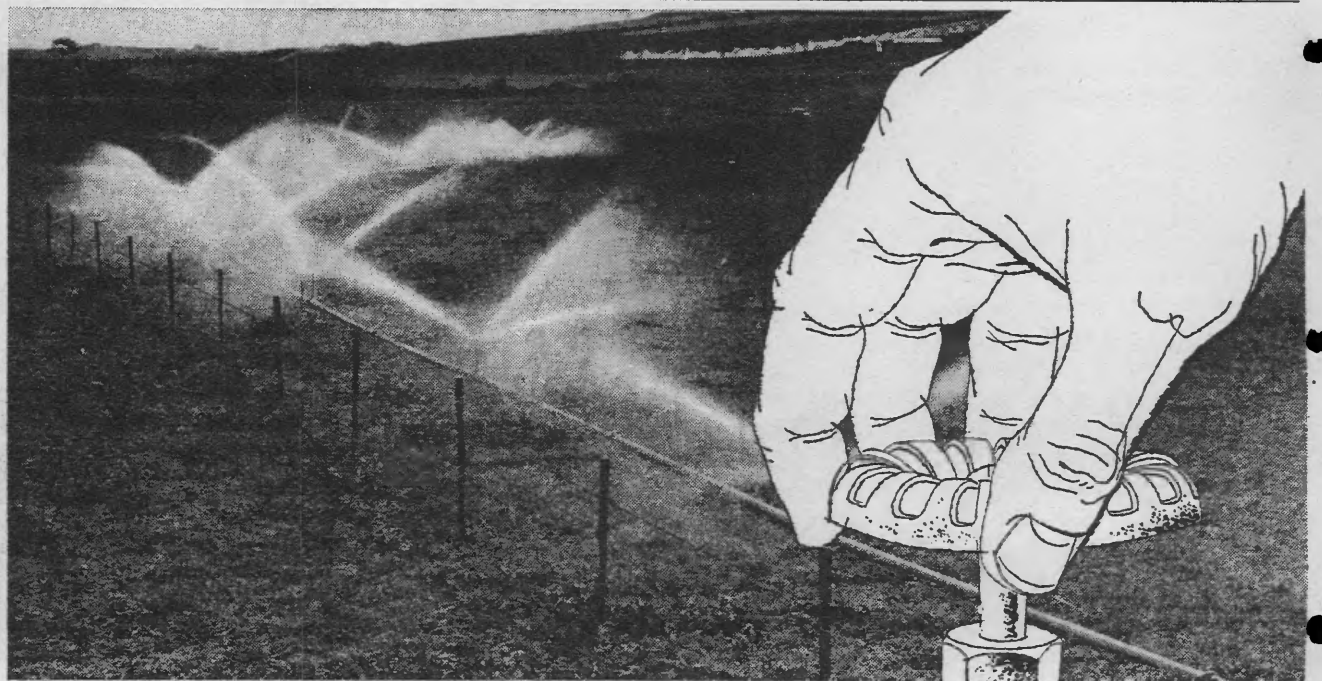


Co-op homemaker, Mrs. Rollie Burkey of near Murphysboro, is

shown registering at cooking school conducted by Egyptian Electric co-op of Steeleville, at Orchard Hill Community School near Murphysboro, last month.

The co-op sponsored three other schools in its area attracting a large number of women. A home economist of a leading appliance manufacturer demonstrated techniques and advantages of electric cookery.

Those seated, are, left to right, Mrs. Ira Johnson of near Murphysboro, and Delores Cottom, co-employee. The electric skillet was given away as an attendance award.



WITH ALCOA® ALUMINUM IRRIGATION PIPE

sprinkler irrigation pays every year ... even when rainfall is "normal"

Weather Bureau studies in humid Mississippi, where rainfall averages better than 52" yearly, show crop growth was retarded by "short-term" drought in 39 of the past 41 years. Portable irrigation systems could have prevented this.

With your own portable irrigation system ready to provide water where and when you need it, you can plan for *and achieve* record crops every year. You can lime and fertilize more heavily. You can plant and maintain heavier plant populations. You can force more forage from pastures, more

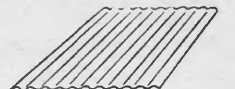
hay from meadows, more profit from every acre.

There's no gamble when you buy ALCOA'S FULL-THICKNESS PIPE

When your portable irrigation system uses Alcoa's heat-treated, full-thickness aluminum pipe, you've got the pipe that will last years longer. It will stand rougher treatment, higher pressures, the stresses of wheel movement. Its smoother walls will reduce pressure drop. Your irrigation dealer has a full range of sizes in both welded and seamless Alcoa Pipe. He has the know-how to design and service your system. Call him.

ALCOA ALUMINUM ROOFING

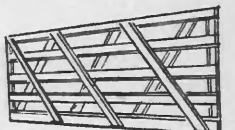
Protection Plus Production!



New shed, barn, poultry house or reroofing job coming up on your farm? Save up to 75% with Alcoa Aluminum Roofing and Siding and pole-type construction. Alcoa Aluminum reflects burning sunrays away, keeps your livestock comfortable and in full production even in hottest weather.

ALCOA FARM GATES

Horse High! Hog Tight! Bull Strong!



Solve those everlasting gate replacement problems with the new Alcoa Farm Gates. Here's one gate that stays new, stays stockproof.

THE ALCOA HOUR TELEVISION'S FINEST LIVE DRAMA ALTERNATE SUNDAY EVENINGS



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Address _____

Post office and state _____



Electricity is essential in Elmer Rule's cabinet shop for his saws, sanders and drills.

● *Rule's motto is*

'GOLDEN'



Good lumber is a necessity in making a cabinet, says Rule. "A good piece of furniture is designed to last a lifetime."

It was the roaring twenties, time for adventure, and 25-year-old Elmer Rule, struck out for St. Louis to find his fortune. His first work was driving a truck for a hospital construction job.

On the third day, a doctor approached Elmer and asked him if he could read blueprints for the steelworkers. "I didn't know how," recalls Rule, "but, I told him I would give it a try."

Before long he was also reading blueprints for the carpenters. And then, he became a carpenter. "I liked the work so well, I thought if I worked hard enough at it, I would be successful."

And though lacking in formal education, Rule made up for it in determination. Now, today, he has his own cabinet shop in the small town of Dudleyville.

And if there is one word which best describes Rule, it's Golden. For coupled with his last name, Rule, the adage is his trademark. "I try to give each customer the best job I can."

Only Three Replacements

In his 30-odd years as a carpenter, he says he has only had to replace his work on three occasions. Part of that is due to his good work, and part "to 95 per cent of the people who are wonderful to work for."

According to Rule, "you never know all there is about making cabinets." It's comparative to the work of an artist, or writer. It's creative.

"I figure a cabinet as a piece of furniture, designed to last a lifetime," Rule explains. That's why he uses only the best grades of wood in building them. "If customers suggest something cheaper, I try to talk them out of it because I know they would never be satisfied in the long run."

Rule figures he can make a set of kitchen cabinets in 10 days. The first step in making these cabinets is to get the exact measurements of the room. "No room is perfectly square."

Then, the base of the cabinet is built. Next comes the counter, and

finally the upper cabinets. Rule fabricates these cabinets in his shop in sections for easy installation.

Electricity is very important to him because it powers all of his

tools. "Without it, I couldn't work." He uses it to power his saws, drills jointers, and sanders.

He is a member of Southwestern Electric Cooperative of Greenville.



GOVERNOR
WILLIAM G. STRATTON

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ILLINOIS STATE FAIR

SPRINGFIELD

AUG. 10 thru 19

FOR PREMIUM LIST, WRITE—

ILLINOIS STATE FAIR SPRINGFIELD, ILL.

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● RIBBONS
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Total livestock offering by Illinois State Fair \$186,660.00

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FEDERAL LAND BANK LOANS

- The only business of Federal Land Banks is lending to farmers.
- We are familiar with farmers problems and farming conditions, thus enabling us to make recommendations wisely.
- Friendly, local people staff your Association office. They are competent to give prompt, efficient service.
- We are a service, not a profit institution.

For A Long Term Land Bank Loan

see or write your

NATIONAL FARM LOAN ASSOCIATION

Illinois Associations:

- Amboy
- Belleville
- Bloomington
- Carlinville
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- Champaign
- Charleston
- Donville
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- Freeport
- Galesburg
- Genevo
- Harrisburg
- Hillsboro
- Jacksonville
- Joliet
- Kankakee
- Kewanee
- Lincoln
- Macomb
- Monmouth
- Morris
- Morrison
- Mt. Carmel
- Mt. Vernon
- Oregon
- Ottawa
- Petersburg
- Pittsfield
- Pontiac
- Princeton
- Quincy
- Robinson
- Rockford
- Springfield
- Watska
- Woodstock

What's New?



A completely different type of hair dryer, which frees hands for knitting, reading, writing, or fixing nails, will be on the market this fall. The dryer, worn like a cap, is much faster than ordinary dryers, directing the flow of warm air only to the hair, ending discomfort of heat on face, neck, or shoulders. The dryer is a product of Sunbeam Corp., and will sell for \$24.95.



Here's a new four-unit electric cooking top, only three inches deep, which slips easily into a single cut-out on a counter, allowing drawer space directly beneath it. It is available in either stainless steel or copertone porcelain. Trademarked, Modern Maid, the unit is made by the Tennessee Stove Works of Chattanooga, Tenn.



This electric post lantern is equipped with an electronic eye, which automatically responds to dark and light. At twilight the eye turns the lamp on, while daybreak turns it off. It also has a manual switch. The lanterns are crafted from solid copper with a black finish, and frosted chimneys. Retail prices are around \$40, which does not include post nor cable. They are made by Wasley Products, Inc., Plainville, Conn.

Kallal Elected President of Co-op Managers

V. C. Kallal, manager of Southwestern Electric Cooperative of Greenville, was elected president of the Manager's Section of the Association of Illinois Electric Cooperatives, at that organization's semi-annual meeting, held June 6 and 7 in Springfield.

E. A. Cates, manager of Clay Electric Cooperative of Flora was elected vice-president. Charles C. Youtzy, manager of Jo-Carroll Electric Cooperative of Elizabeth was named secretary-treasurer.

Twenty-four co-op managers were present at the two-day meeting. H. G. Downey gave a report on mobile substations and their approximate cost. S. R. Faris reported on oil filter equipment.

Washington Roundup

(Continued from Page 2)

rural electric's urban consumer services within Perryton, plus an additional two mile area, and that the co-op refrain from further construction in the specified area.

The differences arose when the town of Perryton annexed the area served by the rural electric. CPS has argued that the co-op has no right to operate lines within the city, since CPS already has the franchise to serve Perryton. However, recent legal rulings handed down give North Plains the right to construct, operate and maintain lines anywhere within the area so long as they wish the News declared.

* * *

Two senators, Albert Gore (Tenn.) and Clinton P. Anderson (N. Mex.) spiked the widely-advertised claims of "tax-paying, business-managed electric light and power companies" as world pace-setters in atomic power.

In full-page ads across the country, the utilities told "How America Will Keep Its Lead in Atomic Electric Power." The ads said that the U. S. has 55 nuclear reactors as compared to Russia's six. Gore said, of these 55, not one is able to produce electric power in commercial or industrial quantity. And of the 35 listed as building or planned in the ad, only one is under construction.

Anderson said the figures listed in the ad include small experimental plants, now abandoned, and models built to prove that large plants would work.

"I think it's too bad," Anderson said, "if we pick up all the reactors that have been built by great public-spirited individuals and organizations and say, 'This is the magnificent work of the private utility industry.' It's ridiculous to try to make up a claptrap advertisement with the



NEWLY ELECTED officers of the Power Use Advisers Section of the Association of Illinois Electric Cooperatives are: (left to right) Mrs. Vivian Wennier, Adams Electrical Cooperative, secretary-treasurer; Les-

ter Aeilts, Western Illinois Electrical Cooperative, president; and Robert Pendell, McDonough Power Cooperative, vice-president. The election was held at the Section's semi-annual meeting, held June 6 and 7 in Springfield.

idea of persuading the American people that private industry has carried the load all the way and is now prepared to carry it in unprecedented proportions."

Automatic Feeding

(Continued from Page 5)

by 8's about 12 inches above the floor of the bunk.

Hebert figures he has around \$1,000 invested in the system. But by increasing his herd nearly five times and cutting out milling costs, he believes he can retire his investment in less than two years.

"I usually feed the cattle for 24 weeks. And, it used to cost me around \$10 a week to have the feed ground and mixed in town." That, along with the increased returns from 33 more cattle, is how Hebert expects to get his investment back.

"And, I can easily increase the number of cattle to 100 without spending any more time," he figures. With automatic waterers in the loafing barn, about the only manual labor Hebert does now is to connect his elevator to the storage bins for refilling, and to feed hay.

However, even feeding hay, Hebert saves time. He has a hay rack which holds enough feed for three days. "That way I can fill it in my spare time, or my 11-year-old son can fill it if I happen to be busy."

Hebert says he was helped in planning his system by his local cooperative, Shelby Electric Cooperative of Shelbyville and by the University of Illinois.

"You can't beat electricity for cutting work time and increasing production," he comments.

Right Pump

(Continued from Page 6)

seals is about all that is needed. For a deep-well cylinder, though, these repairs require pulling all the pipe out, which can be quite a job.

The deep-well piston pump has the

advantage over other pumps in wells around 100 feet deep that produce less than 500 gallons an hour. In this type of well, it is more efficient than a jet and would not damage itself by pumping the well dry as a submersible might. Sand damages the piston pump slower than it does any of the other three types.

There are two new pump types that are affected even less by sand in the water. They are not yet used widely in Illinois, but they deserve your attention if sand in your water is a problem.

The helical rotor pump works like an auger. The smooth mechanism works inside a neoprene casing which is not damaged if there is some sand in the water. It is mainly a shallow-well pump, but can be used in a deep well with a shaft running down to the rotor.

The second of these two pumps is an electrically-driven diaphragm pump which has just recently come on the market. It comes as a shallow-well pump or with a jet assembly for deep-well operation.

The most important point in selecting a good pump is to buy it from a dealer who can and will service it. Water trouble is almost the worst trouble you can have. Preventing pump troubles and being able to get good, quick service when it's needed are worth a lot more than any differences in the price of pumps.

State Association

(Continued from Page 9)

committee and F. J. Longmeyer, chairman, budget committee. All the reports were approved. The State Association budget for fiscal 1956-57 called for the expenditure of \$42,727.

President Bradley appointed the following committees: Resolutions: Fred Harms, chairman, Ralph Hastings, Dean Searls, Ray Holt; Host: Warren File, chairman, W. O. Parsons, F. I. Ruble, C. Nelson Worner, Joseph Heimann, and Max White.

Auction Schools

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

AUCTIONEERING CAN be learned by mail. New method. Classes available. Sample chart free. Nelson Auction School, Renville R, Minnesota.

Business Opportunities

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

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

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

FORTUNE POSSIBLE raising fishworms and crickets. We teach you how to raise and where to sell. Free literature. Carter Ranch-H, Plains, Georgia.

MAKE UP to \$3.00 an hour spare time. Experience unnecessary. Write for free details. Universal Distributors, Box 191A, Tangier, Virginia.

Buyers

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

WE BUY optical gold filled watches, rings, dental, silver, old jewelry. Cash sent same day. Write Cornell, P. O. Fenton, Missouri.

Farm Machinery & Equipment

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

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

GUARANTEED SILO-MATIC silo unloaders and auger bunk feeders—feeds up to 300 head in 20 minutes automatically. Wet, hard packed or frozen silage no problem. 30 days free trial. Low Cost. Write Railoc Company, Inc., Plainfield, Illinois.

ATOM FENCE Controller will not short on green grass or brush. Need no insulators on wood post. Money refunded in 20 days if not satisfied. Operates from 110 volts. Two years guaranteed. \$16.50 postpaid. Also C.O.D. Fisher Products Company, No. 3, Owosso, Michigan.

FOR SALE: A 22 inch Case thrasher in good running order. Zert oilers, good belts. Victor Alwardt, Altamont, Illinois.

Farms, Real Estate

FARM FOR Sale, 120 acres, 40 cultivation. Fair buildings. Water. 14 cattle. New tractor and equipment. Hogs, chickens, feed. 100 acres fenced. All for \$7,000.00 except farm. \$3,000.00 five year lease on farm. Ill health. Other business. Roy Tinsley, Thebes, Illinois. Phone Olive Branch 3673.

FOR SALE: 115 acres stock and grain farm with crops, good 7 room house, basement, furnace, stoker, hot and cold running water, laundry tubs, good barn, other out buildings, telephone, year round road, reason for selling—owner has other interest. Homer Hindman, Route 2, Ava, Illinois.

FOR SALE: 77 acres, well improved, good house, barn, electricity, best location, all weather blacktop road. Arlie Bain, Benton, Illinois.

450 ACRE HYBRID Seed Corn Farm, Equipped processing plant, \$120.00 per acre. Easy terms, 20,000 bu. sale this year, particulars, pictures. Robinson, Jones Realty, Radnor, Ohio.

520 ACRES LEVEL, good soil. \$10 per acre. Alfred Aasen, 416 Seventh Avenue South, East Grand Forks, Minnesota.

FOR SALE: 162 acres improved, level, electricity, all planted, good roads, school bus, mail and milk routes, Fayette County, terms, crop share. C. L. Denton, Ramsey, Illinois.

160 A. 2 miles West of Paxton. Modern imp, all tillable, possession anytime, \$368.00 per A. 120 A. near Paxton, improved all tillable, \$225.00 per A. 160 A. near Melvin, modern improvements, all tillable, well fenced, \$500.00 per A. 240 A. near Kemp-ton, new ranch type house, all tillable, \$390.00 per A. Also Indiana farms, some can be purchased on contract. A. N. Peterson, Realtor, Paxton, Illinois. Phone 150.

FOR SALE: 70½ acre farm near Little Valley, New York. Stock and tools. Walter Beckman.

250 ACRES ALL tillable, \$250.00 per acre. 410 and 537 acres all tillable, \$200.00 per acre. Modern buildings. All made land, low taxes, limed and phosphated. Will grow anything. Well located in Southern Illinois. Buy from owner, pay like rent. Shown by appointment only. Leonard N. Ranson, Wolf Lake, Illinois.

RURAL EXCHANGE

Reaching Over 400,000 Rural People Each Month

160 ACRE FARM. Partly terraced. House, Barn and 2 Ponds. 110 tillable acres includes 30 acres bottom land. 10 miles from town. Only \$10,500. Columbia Realty Company, Columbia, Missouri.

Livestock

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

WISCONSIN'S FINEST Holstein and Guernsey dairy heifers shipped to you on approval. Write for free price list. Otto Vandenburg, North Prairie, Wisconsin.

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

REGISTERED LANDRACE hogs. America's choice meat type hog for sale at farmer's price. Imported bloodlines. Raymond Graves, Olney, Illinois.

WANTED: DOUBLE Registered polled Hereford bull. 18 months to 5 years old. Large heavy boned, rugged. Dark colored. Homer McDonald, Lakewood, Illinois.

BERKSHIRES—SERVICEABLE age boars, bred gilts and spring pigs either sex. Choice Angus bulls. Black Diamond Stock Farm. Marion L. Schupbach, Sparta, Illinois.

FOR SALE: Hampshire boars and gilts. Polled Hereford calves some cows. Hampshire rams, Cheviot rams. Top bloodlines. Eligible for registry. 7 miles North of Golden Gate, Illinois. Wm. McDowell.

FOR SALE: Polled Hereford cows, bulls and heifers. Domestic mischief breeding. Double registered at RS Ranch located on Rend City blacktop, ½ mile North off Route 14, West of Benton. Owner, Wm. Russell and V. N. Smith, Benton, Illinois, Route 3.

Miscellaneous

LAST WILL and Testament. Draw your own at home, simple, legally drawn, certificate will-form. Eliminate costly court costs. Don't delay! 2 for \$2.00. Economy, B-503, El Reno, Oklahoma.

OUR CHOICE Stamps. 100 British Cols 25c. 100 Denmark 25c. 100 France 15c. 200 Hungary 35c. From all over the world, 2000 for \$3.00. Louis, 8723 Flatlands Avenue, Brooklyn, New York.

CUSTOM HATCHING of your eggs done in our electric incubators. Any kind hatched. Paul Kasten, R. 2, Pana, Illinois.

BUY SURPLUS Farm Machinery, implements, tractors; trucks; jeeps—Direct from U. S. Government agencies. List and procedure \$1.00. Brody, Box 8-AY, Sunnyside 4, New York.

U. S. CIVIL Service Tests! Training until appointment. Men-Women, 18-55. Start high as \$377.00 month. Many jobs open. Quality Now! Get Free 36-page illustrated book showing salaries, requirements, sample tests. Write: Franklin Institute, Dept. S-21, Rochester, New York.

"MULTIFLEX" PASTRY Lifter. A sensational help in the kitchen. Free literature. H. M. Kellogg, Dept. E., Box 155, Stratford, Connecticut.

CREAM PRODUCERS, we guarantee top prices, honest tests and weights. Prompt service. Ship us today. Aro Dairy, St. Louis, Missouri.

SEPTIC TANKS, Cesspools, outdoor toilets cleaned, deodorized. Amazing new powder saves digging, pumping, moving. Guaranteed. Circular free. Solvex, Monticello 7, Iowa.

FISHING. BLACK'S Lake, ¼ mile South Dixie Ball Diamond. 50c each. Onia Mae Black, R. F. D. 1, Cowden, Illinois.

Of Interest To Women

CALIFORNIA SWEET Smelling Beads sell on sight. No experience needed. Big profit. Particulars free. Misslon, 2328 RE West Pico, Los Angeles 6, California.

EARN \$40 WEEKLY sewing Babywear! No Canvassing! Rush stamped addressed envelope to Babywear, Warsaw, Indiana.

SEW APRONS at home. No charge for materials to supply stores. Write: Adco, Bastrop, Louisiana.

WHOLESALE NAME brand gift, appliance catalog. Big discounts, free delivery, and Double S&H Green Stamps with all purchases. Send \$1, refundable. Akron Distributors, 12 Cedar, Akron, New York.

BED DOLLS, profit or gifts. Instructions for making ribbon and lace costumes. Send 50c coin. Hills, Box 162, Hamilton, Illinois.

EARN \$50 FAST sewing our precut products. Information 3c. Thompson's, Loganville 60, Wisconsin.

SEND WOOL to us for fine warm blankets. Information free. West Texas Woolen Mills, 421 Main, Eldorado, Texas.

EARN \$40 WEEKLY sewing Babywear, moccasins, dresses, aprons! No House Selling! Rush stamped addressed envelope to Babywear, Warsaw, Indiana.

EMBROIDER STAMPED Linens. Buy direct from Manufacturer and save. Send for Free catalog. Dept. 131, Merribee, 16 West 19th Street, New York, 11, New York.

Pets

ENGLISH SHEPHERD pups. Guaranteed heelers. Males or spaded females. Nicely marked. Elmer B. Scherbring, Route 2, Box 106, Earlville, Iowa.

ENGLISH SHEPHERDS—Border Collies, America's most useful dogs. Puppies all ages. Both sexes. Choice colors. Faithful workers. Satisfaction guaranteed. We breed and sell our own stock. Fairmount Farms, Cedar Falls, Iowa.

FOR SALE: English Shepherd puppies from working parents. Black and white. Loren Ruppert, Nokomis, Illinois. Phone—Co 8302.

REGISTERED BASSET Hound Puppies from sad eyed, long eared, crooked legged, hard hunting parents. Either sex \$35. Inquire about stud service. J. C. Cunningham, Sumner, Illinois.

Poultry

PEAFOWL, SWANS, Pheasants, Guinea, Polish, Yokohomas, Geese, Ducks, Bantams, Thirty Varieties Pigeons. Breeding Stock, eggs. List. John Hass, Bettendorf, Iowa.

WHITE GUINEA Chicks \$25.00 - 100. Hatching eggs \$10.00 - 100. Breeders Trio \$5.00. Mrs. Fred Meyer, Petersburg, Illinois.

U. S. APPROVED pullorum clean. Certified three breeds. Approved Dark Cornish, Anconas, Minorcas, Buff and Brown Leghorns also broiler crosses. Circular free. Rhodes Hatchery, Spencer, West Virginia.

Seeds, Plants, Trees

DAYLILLIES—MOROCCO Red, vivid red; Black Prince, black red; Linda, pastel; Bountiful, yellow; Crystal Pink, salmon pink; The Director, wine red. All six labeled and postpaid for \$3.50. Myra Robinson, Kansas, Illinois.

SWEET POTATO Plants. All Gold, Nancy Gold, Porto Rico. 200 for \$1.50; 500 for \$3.00. Postpaid. Ponzer Nursery, Rolla, Missouri.

Sellers

RUBBER STAMP, knob handle, cushioned, indexed Name and address (other wording), 3 lines \$1.00 postpaid. Economy Sales, B-503, El Reno, Oklahoma.

WHY HAVE gray hair? Guaranteed liquid restores natural color, 6 months supply \$1.50 pp. Write for haircutting and animal clippers booklet. Fendrick, 114 North Sixth Street, Allentown, Pennsylvania.

FOR SALE: Used tractor parts. Used car parts. Sam's Auto Parts, 1305 South Shawassee, R. 1, Owosso, Michigan.

TEAR GAS Guns. Protection against man or beast. Drive barn rats from dens. Literature free. Eugene R. Williams, Box 338, Ottawa, Illinois.

Services

500 GUMMED STICKERS printed with your name and address—65c. Business or personal styles. Artprint, Box 166, Sheboygan, 1, Wisconsin.

FREE SET of extra prints with First roll and this ad. 8 exp. 35c, 12 exp. 50c, 16 exp. 70c. Jumbo size in albums. Limited Offer. Pak Pix, PO Box 25, Iroquois Station, Louisville 14, Kentucky.

8 BONDSTONE ENLARGEMENTS 35c; 12-45c; 16-60c. Bond Studios, Box 2201-E, Cleveland 9, Ohio.

NO CHARGE developing rolls. Pay for prints only. Jumbos 4c. Regulars 3c. Failures refunded. Your choice: 30 Jumbos, 8-5x7, 3-8x10 from rolls or negatives. This Ad and \$1.00. Square Deal Photos, Hutchinson, Kansas.

Classified Display

CHAIN SAWS

Disston-Homelite-Lombard

Cut more timber for less, lower maintenance cost. Higher performance, longer life, one-man or two-man operation. All sizes. For a saw to fit your needs, see us. Before you buy—SEE IT SAW! Light weight models. Sales and Service.

Phone 9491

HANSEMAN'S GUN SHOP

North Beech Street Road
Centralia, Illinois

Rural Exchange

Regular Rates
15 Cents Per Word
Minimum Ad—\$3.00 for
20 Words or Less

Rates for Illinois
Co-op Members Only
8 Cents Per Word
Minimum Ad—\$1.60 for
20 Words or Less

Display Advertising Rates
60 Cents Per Agate Line
\$8.40 Per Inch
Minimum Ad—\$2.40
Payment Must Accompany
All Ads

Deadline is 20th of month preceding publication.

The Illinois Rural Electric News, goes into 100,000 farm homes in Illinois each month—actually over 400,000 readers, representing one of the most prosperous farm markets in the nation.

Advertisers are invited to use RURAL EXCHANGE, the classified section of the Illinois Rural Electric News.

Payment must accompany your order. Make checks or money orders payable to Illinois Rural Electric News. Ad will be started in earliest possible issue.

Non-member advertisers may deduct a discount of 10% on six month orders; 15% may be deducted on 12 month orders.

Mail ad and remittance to RURAL EXCHANGE, Illinois Rural Electric News, Box 1180, Springfield, Illinois.

Rates Below For Co-op Members Only

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

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20

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

Write the words in the spaces above. If you fill all the spaces that will be 20 words. Price for 20 words (or less) is \$1.60 for each time you want your ad run.

If your message takes more than 20 words, add 8 cents for each additional word. Remember each initial or group of figures count as one word. (Don't forget to count your name and address in the ad.)

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

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

YOUR NAME

YOUR ADDRESS

REA Co-op Member?

Tear Off and Mail Promptly

JUNIOR RURAL ELECTRIC NEWS

PEN PALS

Hi Pen Pals!

Now that summer vacation time is in full swing, bet you have a few spare minutes between activities now and then. What a wonderful opportunity to sit down and write a letter (or several) to a Pen Pal whose letter appears in this issue. The boys and girls are waiting to hear from you—and once your letter is off, you are on your way to a "letter-writing" friendship you'll really enjoy.

Letters for publication should be sent to Kay Conlan, Junior Rural Electric News, Box 1180, Springfield, Ill.

SHOW HORSES

I'm 15 and my birthday is April 28. I have blonde-gold hair. I have five horses which I show in the summer season. I have them in such classes as the barrel race, musical chairs, junior horsemanship. I would like to hear from girls and boys between 15 and 19 who are interested in horses or show them. I promise to answer all letters and will enclose my picture.—Linda Nightingale, R. R. 2, Onarga, Ill.

HORSEBACK RIDING

I'm 12 and my birthday is January 29. I have brown hair and brown eyes and I live on a farm. I'm a member of 4-H and my hobbies are roller skating and horseback riding. I would like to hear from boys and girls between 13 and 18.—Pamala Sue Taylor, R. R. 3, DuQuoin, Ill.

LIKES SPORTS

I'm 15, have dark brown hair and blue eyes and go to Dahlgren Community High School. I like all sports and would like to hear from boys and girls of all ages.—David Hart, Box 186, Dahlgren, Ill.

APRIL BIRTHDAY

I'm 14 and my birthday is April 11. I have brown hair, blue eyes and my hobbies are writing letters, playing the sax and going swimming. I would like to hear from boys and girls between 12 and 15.—Joan Thedens, Anchor, Ill.

OCTOBER BIRTHDAY

I'm 16 and my birthday is October 11. I have dark brown hair and brown eyes and I'm five feet, five. Would like to hear from boys and girls between 15 and 19 and would like to have pictures.—Linda Hilderbrand, R. R. 3, Clay City, Ill.

HOBBY IS SEWING

I'm 15 and my birthday is August 26. I have brown hair and blue eyes and my hobbies are sewing and riding my bicycle. Would like to hear from boys and girls between 13 and 18.—Arlene Sprinkle, R. R. 1, Fairfield, Ill.

TAP DANCING

I'm 12 and my birthday is March 31. I have dark brown hair and brown eyes and I take tap and toe dancing. Would like to have Pen Pals between 10 and 14.—Mary Jo Healey, Box 123, Livingston, Ill.

FEBRUARY BIRTHDAY

I'm 15 and my birthday is February 5. Have brown hair and blue eyes and go to Macon School. I live on a 160-acre farm and my hobbies are watching TV, baseball, basketball, track and riding horseback. Would like to hear from boys and girls between 13 and 15.—Rozella Marie Noland, R. F. D. 1, Dalton City, Ill.



COLLECTS PAPER DOLLS

I'm 12 and my birthday is November 24. My hobbies are reading, riding my bike and collecting and playing with paper dolls. I've had Rheumatic Fever and had to be in bed some time. Because of it I wasn't able to attend school this year. Would like to hear from boys and girls between 10 and 14.—Thelma Joyce Hughey, R. 4, Mt. Vernon, Ill.



DRIVES TRACTOR

My birthday is July 1 and I'm 12. I have brown hair and blue eyes and I'm four feet, three. My hobbies are driving a tractor and riding a bike. I have a brother and a sister. Would like to hear from boys and girls between 12 and 15.—Kenny Newkirk, R. R. 1, Yale, Ill.

PLAYS BASEBALL

I'm 16 and my birthday is March 8. I have dark brown hair and blue eyes and my hobbies are listening to hillbilly music, letter writing and playing baseball. Would like to hear from girls and boys between 15 and 19.—Lora E. Robsion, R. R. 2, Carmi, Ill.

HOBBY IS READING

I'm 10 and I have brown hair and brown eyes. My hobbies are reading and writing and listening to hillbilly music. Would like to hear from boys and girls between eight and 15, and would like pictures, if possible.—Gordon Casey, R. R. 1, Donnellson, Ill.

JULY BIRTHDAY

I'm 10 and my birthday is July 23. I have brown hair and brown eyes and weigh 62 pounds. My hobby is playing with my dog. Would like to hear from boys and girls between nine and 12.—LaDonna Pierce, R. R. 3, Benton, Ill.



LIKES MOVIES

I'm nine and have green eyes. I live on an 80-acre farm and I like movies and going to school. I'd love to hear from girls and boys around my age.—Wanda Leah Shaw, Box 25, R. R. 1, Jewett, Ill.

ST. MARY'S SCHOOL

I'm 13 and my birthday is June 11. I go to St. Mary's School and my hobbies are swimming and going to the movies. Would like to have Pen Pals between 12 and 14.—Kay Schroeder, Carlyle, Ill.

PLAYS BASKETBALL

I'm 12 and my birthday is December 8. I have brown hair and blue eyes and go to Cisne Consolidated Grade School. My hobby is playing basketball and I'd like to hear from boys and girls of all ages.—Kenneth Jackie Bowers, R. R. 1, Cisne, Ill.



PLAYS WITH CATS

I am four feet tall, and I have brown hair and brown eyes. My hobbies are playing with cats and dogs.—Wilma Dean Kent, R. R. 1, Palestine, Ill.

MAY BIRTHDAY

I'm 10 and my birthday is May 31. I have light brown hair and I have two brothers and two sisters. I go to St. Paul Lutheran School and I'm going in the fifth grade. My hobbies are riding a bike and playing the piano. Would like to hear from boys and girls between eight and 12.—Edith Henrichs, R. R. 1, Onarga, Ill.

MOVIE STAR PHOTOS

I'm 15 with a January 27 birthday. I go to Waverly High School and my hobbies are horseback riding, swimming and all sorts of sports. I also collect movie star photos. Would like to hear from boys and girls between 14 and 18.—Sharon Pate, R. R. 2, Waverly, Ill.

4-H CLUB MEMBER

I'm 13, five feet, one and weigh 108. I have brown hair and blue-green eyes. My hobbies are ice-skating, collecting pennants and playing baseball. I belong to the Kozy Kitchen Kids 4-H Club. Would like to hear from boys and girls between 12 and 16.—Judie Dube, R. F. D. 1, Beaver-ville, Ill.

HILLBILLY MUSIC

I like cooking, roller skating, dancing and listening to hillbilly music. I'm five feet, four and have blonde hair and blue eyes. I'm 19 and my birthday is July 21. Would like to hear from boys and girls around my age and have your picture, if possible.—Elizabeth Ann Huck, R. R. 1, Hoyleton, Ill.

COLLECTS PICTURES

I'm 10, have blonde hair and blue eyes and go to Pomona School. My hobbies are dancing, collecting pictures, watching television and singing. I'd like to exchange pictures and hear from boys and girls between 10 and 12.—Joyce Marie Etherton, Pomona, Ill.



News From WESTERN ILL. Electric Co-op

Carthage
Lee Leonard, Manager



Annual meeting time is just around the corner. This will probably be the last issue of Illinois Rural Electrical News to reach you before your annual meeting which is scheduled for August 3. It will be held on the lot just north of Carthage College Field House as it has for the past few years. The program is progressing nicely but we still need more contestants for our two contests. The talent and beauty contests have been so popular the last two years that we are continuing them again this year. We do need about 10 or 12 entries in each contest to make a good show. If you know any individuals or groups who might meet the qualifications set forth in the June issue of W.I.E.C. News, please contact the cooperative office in Carthage.



Lee Leonard

Electric Home Heating

Five more members can enjoy the wonderful comfort of electric home heating at a special low rate. The Board of Directors has established a special two mill reduction on the low bracket for electric home heating. This reduction makes electricity compare very favorably with other fuels used for home heating in this area.

It's almost impossible to imagine how wonderful it is to have electric heat in the home. A thermostat in each room gives almost perfect temperature control. The wonderful effects of radiant heat make all of your furnishings and floors feel warm. In fact they are warm and it is the heat from the floors and home furnishings that heats the air.

If you would like to learn more about this method of home heating call or write the office of Western Illinois Electrical Co-op, Carthage.

Your electric cooperative is again coop-

Office Hours—8 a.m. to 5 p.m. through Friday; 8 a.m. to 12 p.m. on Saturday. Telephone 84—Carthage. In case of interrupted service, outside of regular office hours, call one of the following numbers:
Lee Leonard, Carthage, 560.
Clarence Hutchins, Carthage, 495J.
Luther Bennett, Carthage, 416J.
Roger Goetz, Carthage, 360M.

erating with the farm adviser, assistant farm adviser and home adviser of Hancock County with the 4-H show which will be held in Carthage, the last week in July. We are more than happy to cooperate in this way to help make this program effective. The 4-H club members of today will be the electric co-op members of tomorrow and deserve the aid of all farm organizations that are in a position to help them.

Any member of the Western Illinois Electrical Co-op who becomes a new user of an electric range, electric water heater, home freezer, electric clothes dryer, or automatic stock waterer between July 1 and August 3, 1956, will be eligible to receive a fine gift of electrical merchandise. There are a few stipulations printed in your July W.I.E.C. News which must be met in order to qualify.

WCAZ Radio Program

Your cooperative is sponsoring a regular week day program on Radio Station WCAZ at Carthage. The program is called "W.I.E.C. Calendar of Events" and is heard each week day at 8:45 a.m. If you have any announcements of meetings you would like to have on the program, call or write the cooperative office or the radio station and give them the details. The W.I.E.C. telephone quiz is another regular program coming your way each Saturday morning at 10 o'clock. You may be called some Saturday soon so it would be wise to keep yourself well informed about electric co-op activities. Many of the questions are taken from this paper and the W.I.E.C. News.

News From EASTERN ILL. Power Co-op

Paxton
T. M. Brady, Manager



**TELEPHONE NUMBERS FOR
OUTAGE CALLS**
Office—8 a.m. to 5 p.m. except Saturday.
Report all outage calls during office
hours to 185 Paxton. After office hours,
call the following nearest number.

Tony Barbier, Paxton 595
Kenneth Slater, Paxton 576
Arthur J. King, Paxton 271-J-X
Donald Sharp, Paxton 740
Jesse Fiets, Gilman 159
Evan Petersen, Gilman 235W
Don Allison, Hopedon 462
Dennis Rhodes, Hopedon 1244
John Dorsey, Cropsey 56
George Popejoy, Cropsey 53R2
Virgil Farris, Watseka 1227
Howard Gustafson, Watseka, 614
In case of an outage, check to see if
your neighbors have service. If not call
collect 185 Paxton. If your call is not
accepted you will know that the report
of the outage has already been received
and that it is being taken care of.

One of the most forceful arguments for
air conditioning, aside from comfort, is
the story of health. Leading medical au-
thorities agree that there is no single fac-
tor affecting the health and well-being
of mankind so much as the temperatures
in which he lives and no one is more ex-
posed to high temperatures and exhaustive
work than the farmer.



T. M. Brady

Doctors say that it
is advisable to give
the respiratory system
a rest by spending at least two hours dur-
ing exceptionally hot summer days in an
air conditioned room.

Last year, a Kansas farmer, determined
to win his bout with asthma, invested \$500
in materials and built his own modern, air
conditioned tractor cab. The 800 hours he
spends on his tractor each summer are
now spent in comfort, free from dust and
dirt.

Not many farmers will find it practical
to build air conditioned tractor cabs but
few, indeed, are those who would not en-
joy and benefit health-wise from an hour
or two of cool comfort in an air condi-
tioned room during the heat of the com-
ing summer days.

Cool Livestock

Agricultural research people have known
for a long time that livestock and poultry
thrive as do humans in moderate tempera-
tures.

For example, a recent article in "Elec-
trical Merchandising" points out that, "It
takes 12 to 14 months to bring a steer to
slaughter stage—about 1,000 pounds—in
Illinois, Indiana and Iowa, about 2½ years
to 28 months in Louisiana and Florida,
and 3½ and 4½ years to bring the steer to
the same weight in Panama, Cuba and
Columbia, all on the same fodder ration."

Further proof of the effect of tempera-
ture on livestock are the tests reported by
Karl R. Runkle in a recent "General Elec-
tric Review." According to these tests,
when hogs are kept at 40 degrees, 1000
pounds of feed are required to add 100
pounds of weight. At 90 degrees or high-
er, 800 to 900 pounds of feed are needed
to add 100 pounds of weight. However,
when animals are kept at a comfortable
temperature of 55 to 60 degrees, only 300
pounds of feed are needed to add 100
pounds of weight. Proper temperature
control will enable the farmer to market
his hogs in 100 days instead of the aver-
age 180 days according to Runkle.

The poultry farmer, too, should be
aware of the need for temperature con-
trol. A proper year-round temperature in
the laying house will not only improve
production but improve egg quality, shell
structure and increase the size and weight
of eggs. To maintain this egg quality the
modern poultry farmer will soon be using
a refrigerated high humidity egg holding
room, where the temperature can be held
at 50 to 55 degrees to assure grade A
products for maximum selling prices.
Farmers may soon find that increased pro-
duction and improved quality products

will more than compensate for the instal-
lation and operating costs of air condition-
ing equipment for both poultry and live-
stock.

Water Management

At Pittsburgh recently, SCS Administra-
tor Don Williams told the "Friends of the
Land" that withdrawal of water for all
uses in the U. S. has doubled twice in the
last 50 years and there is every reason to
expect that demand will double again the
next 25 years, if not sooner.

Water will become a significant limiting
factor to expanding farm production and
the growth of our entire economy in the
years ahead, he declared. "Our future
progress as a nation will depend in a large
measure on water management. Fast in-
creasing use of water for irrigation and
other needs in the East make it necessary
to seek maximum use of all water," he
said.

Administrator Williams also pointed out
that more than 1,000,000 acres of cultivat-
able land are going into non-farm uses
every year, including some of the flattest
and most fertile farmlands.

If we left clay tablets of our history as
the ancient Egyptians did, some scholar
of the future might wonder just how much
progress was made in 4000 years. Today
there are still millions of farm people car-
rying water the hard way.

Tests show that it takes 30, eight-hour
days to pump and carry water for kitchen
and laundry uses of a family of four if
the well is only 75 feet from the kitchen.

What a waste of time. One whole month
each year just carrying and pumping wa-
ter. And it's hard work too! It has been
estimated that a farm housewife, without
a water system, walks 70 miles a year be-
tween the hand pump and the house car-
rying about 70 tons of water.

But in this day and age, it just isn't
necessary.

An automatic pressure water system
could save you all that time and heavy
work and for only a few cents a day.
Check right away with your local water
system dealer.

Keep small children off tractors. A ride
on a tractor is fun, but why risk a life
that has just begun?

News From TRI-COUNTY Electric Co-op

Mt. Vernon
H. G. Downey, Manager



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

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

Mark Twain once said, "A person could
live happily two months on a compliment."
The following are comments from consum-
ers which we appreciate.

Dear Co-op: It's chicken time again.
Thanks so much at this time for elec-
tricity. Makes work so much easier.
When the power goes off for a while
it makes us realize the convenience
it gives us. Thanks again from a sat-
isfied customer



H. G. Downey

Dear Sir: We
have been married
56 years this month
and am 80 years
old soon. If I make
a mistake in figur-
ing correct it and
don't mind it. I
sure enjoy Mr.
Downey's write up.
He is wonderful.
My mellons are do-
ing fine. I believe
the entire force out there is wonder-
ful.

Dear Sir: I read in your electric
news that anyone installing an elec-
tric range should let you know. So I
thought I would write you that we
had an electric range put in last
week. We may also put in a water
system sometime this spring. Thanks
for the wonderful service you have
given us all these years.

Home Bureau Class

On Tuesday, June 12, your cooperative

News From SHELBY Electric Co-op

Shelbyville
W. L. Walker, Manager



This month of July brings to us three
important dates to be remembered. Of
course, "Independence Day" on July 4,
will be remembered throughout our na-
tion. July 14 brings us "Ground Observ-
ers Corps Day," which needs a great deal



W. L. Walker

more attention than
the majority of the
people give it. Then
we must not forget
the week of July 22-
28 as it has been
set aside as "Nation-
al Farm Safety
Week." If only this
week would be prac-
ticed throughout the
entire year.

While we are think-
ing of safety on the farm and in the home
why not consider our farm wiring? Is it
adequate? Can we operate all of those nu-
merous electrical appliances we have in
the home?

Attention 4-H'ers

To all those 4-H boys who are taking
electrical projects in the state this year—
why not use farm safety week to give the
electrical wiring in your home and on the

Office Hours—8:00 to 5:00 Monday
through Friday. Telephone 1540. To re-
port outages after 5:00, Saturday, Sun-
day and holidays call—Shelbyville
1227, 855, 1038. Assumption 291, 16.
Stonington 4195, Pana 433, Mode 513,
Shelbyville 891. Shelbyville 589.

farm a good checking over. If you find
wiring that is unsafe or overloaded with
equipment, bring this to the attention of
your parents, then suggest that the un-
safe condition be corrected at once. Re-
member it is much better to prevent an
accident than to be sorry afterwards.

Brush Spraying Time

Our brush spraying crews are once again
at work. Considerable progress has been
made in the riddance of trees and brush
under the electric lines of this coopera-
tive in the past five years, bringing about
a continuity of service and satisfaction to
the management and consumer alike.
Though a great amount of progress has
been made in this matter, it must be re-
membered that 98 per cent of line out-
ages are still caused by brush and trees
along the lines.

made its kitchen display facilities avail-
able to Miss Geraldine Acker, food special-
ist from the University of Illinois and 30-
home bureau women. Miss Acker's discus-
sion, along with demonstrations, was main-
ly on cooking vegetables. Her theme for
this meeting was how to get the most out
of vegetable cooking, both from the eco-
nomical and health standpoints. Each at-
tendant was a home bureau leader, who
will in turn conduct similar classes in
her own group.

After the meeting, the Tri-County Elec-
tric Cooperative personnel demonstrated to
the group the new Sunbeam hair dryer.
This new appliance had its first public
showing in Mt. Vernon on Thursday, June
7, when the Sunbeam representatives dem-
onstrated it to the local dealers. No other
city in the United States has as yet dem-
onstrated this hair dryer.

The hair dryer is unique in that it is
a cap affair that fits snugly on the head
and all the hair has the same opportunity
of drying at the same time, as controlled
heated air is forced in by an electrical
unit. The Sunbeam hair dryer is 38 per
cent faster than the average dryer, includ-
ing a professional hair dryer.

Air Conditioners

Air conditioning is good for health as
well as comfort. If you ever use one you'll
agree with that statement.

Air conditioning does far more than just
provide comfort in hot weather, according
to recent industry studies.

Physicians consulted on the relationship
of home air conditioners and family health
point out that excessive heat, just like ex-
treme cold, can very seriously endanger
health and vitality and that an air condi-
tioner, in addition to cooling, provides pro-
tection from the physical strains of hot,
humid days. In almost all business places
the efficiency of office workers and sales
people has gone up 100 per cent by pro-
viding cool and comfortable air to work
in. Super markets have added air condi-
tioning and as a result, have increased
their sales.

Doctors also agree that cooled, dehu-
midified and filtered air is excellent for
heart patients of all ages during the sum-
mer months. Relief from air-borne pollens
that causes allergic conditions, such as
hay fever, is another benefit that air con-
ditioners offer in protecting health.

Air conditioners are increasing in popu-
larity each year. Research figures show
an increase sales from 200,000 units in
1950 to about 1,230,000 in 1954. Last year,
in 1955, with an all-time high, dealers sold
air conditioners as fast as they could in-
stall them.

Yes, air conditioners make for a cool,
comfortable, healthier living for all con-
cerned. It's the modern way to live.

In adding an air conditioner to your
home, don't forget to check your wiring to
make sure the unit will operate efficiently.

Please notify your cooperative when you
add an air conditioner so it can make sure
you will have enough power to operate
your unit safely and economically.

Your June 20, 1956 bill is now due and
payable. Pay promptly and save.

The management wishes to express
thanks to everyone for their fine coopera-
tion in this matter.

Dead Trees

During the past year, hundreds of re-
quests for removal of dead trees have
come to this office. It is no longer possible
for the crews of the cooperative to handle
all of these requests. Any member having
dead or weak trees along the electric lines
or in their yards, and wishing to remove
them, please call or write to this office
and arrangements will be made to take
down the electric wires in order that such
trees can be felled by the member or his
tree crew. A large number of trees have
been removed by the owners in this man-
ner in the past few months.

News From EGYPTIAN Electric Co-op

Steeleville
R. S. Holt, Manager

TELEPHONE NUMBERS FOR OUTAGE CALLS

Call Office at Steeleville, 2311 between 8:00 a.m. and 4:30 p.m. except Sundays and holidays or if closed.
Call office at Murphysboro No. 830 between 8:00 a.m. and 4:30 p.m. except Sundays and holidays.

After Office Hours call the following nearest telephone—

Egyptian Telephone	3811
Nagel	2141
Muench	3211
Huddleston	2496
Holt	2471
Snider	2443

CARBONDALE AREA

Carl Reeves, Carbondale 44-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.

Annual meeting time is here again and a week earlier than usual. In fact August 18 is the all-important date.



R. S. Holt

A night show and display of electric equipment and apparatus will be held Friday evening, August 17, prior to the annual meeting on Saturday, August 18.

Changes in the official reports are being made to give full information to the membership with a reduction in time of the reports. More and better entertainment has been secured for the meeting and the State Police will give a demonstration on how not to get caught speeding by radar.

The beauty contest will be held again this year with the local co-op winner going to Springfield in September, for the state finals and a chance at going later to Chicago.

Let's make this the best annual meeting in the co-op's history. Circle Saturday, August 18, on your calendar so you won't forget.

New Appliances

Electric mixer: Wm. Seabolt, Marissa; Robert Obptande, Prairie du Rocher; Everett Barnes, Elkhart; Henry Runge, Walsh; George Morber, Ava; S. E. Henderson, Carbondale.

Skillet: Tony Kristoff, Sr., Makanda; L. J. Snider, Gorham; Ferd Young, Chester.

Coffee maker: Bert Kellerman, Pinckneyville; Wm. J. Mayer, Pinckneyville.

Barber set: Chas. Marler, Sparta.
Home freezer: Chas. Marler, Sparta; Sam Halstead, Carterville; John Dudek, Pinckneyville; Louis Jacquot, Murphysboro; Raymond M. Prange, Steeleville; Dean Robert, Ava; Elmo Feltmeyer, Baldwin; Edwin Tillock, Baldwin; George Bantel, Carbondale; Shirley Bower, Ava; Joseph Vavra, Carbondale; R. A. Gurley, Carbondale; Monia Sieberg, Sparta; Ward Breithaupt, Ellis Grove.

Deep fat fryer: Lawrence Campbell, Coulterville.
Window fan: Sylvester Kessel, Ava; Leland Luthy, Marissa; Roe Broadway, Hurst.

Toaster: Ira Morgan, Carbondale; Richard Reams, Gorham.

Water system: Ira Morgan, Carbondale; Edward Becker, New Athens; Charles Abrason, Marissa; Ernest Fayer, Murphysboro; Adrian Chamness, DuQuoin; Fred Engelhardt, Pinckneyville; Clarence Mifflin, Ava; Guy Jones, Carbondale; James Odum, Carbondale; B. E. Shemwell, Ava.

Water heater: Edward Becker, New Athens; Charles Abrason, Marissa; Harmon Burroughs, Elkhart; Adrian Chamness, DuQuoin; Harry Doiron, Prairie du Rocher; Kenneth Graff, Murphysboro; Clarence Mifflin, Ava; James Gooden, Pinckneyville; Clifford Brantley, Murphysboro; Robert Morris, Herrin; Walter Wegener, Evansville; Wyman Prest, Coulterville.



Washing machine: Godfrey Kunkel, DuQuoin.

Record player: Wm. Seabolt, Marissa.
Steam iron: George Taylor, Rockwood.
Clock: George Taylor, Rockwood.

Milk cooler: Frank Gajewski, Sparta; Albert Gale, DeSoto; Dean Robert, Ava; Walter Koester, Evansville; C. E. Matthews, DuQuoin.

Milker: Frank Gajewski, Sparta; Alfred Schneider, Vergennes; Carl Thompson, Oraville.

Television: Ralph Reid, Sparta; S. W. Hunter, Murphysboro; Harrison Williams, Chester; Harold Brewster, Oraville; Elizabeth LaFleur, Sparta; Henry Thompson, Jr., Murphysboro; Howard Qualls, Ava; George Bantel, Carbondale; Wm. Beisner, Rockwood; Kenneth Mohr, Murphysboro; James Evans, Gorham.

Fencer: Harold Armstrong, Pinckneyville; James Gordon, Ava; Rudy Hartman, Rockwood; George Morber, Ava.

Attic fan: Fred Borgsmiller, Murphysboro; Harry Quillman, Sparta.

Heat lamps: O. A. Brouillette, Ava; Raymond Shannon, Ava; Russel McCoy, Ava; Mrs. Mildred Dickey, Coulterville; Joseph Bleem, Ellis Grove; Joe Wingerter, Rockwood; Otto Kloth, Walsh; George Stout, Ava; Ray Zimmerman, Murphysboro; Sam Thompson, Ava; Oscar Mohr, Pinckneyville.

Range: F. E. Deason, Carbondale; Lloyd Chitty, Carbondale; Robert Morris, Herrin; Eva Claunch, Carbondale; Calvin Smith, DeSoto.

Brooder: Everett Lane, Ellis Grove; Clarence Charles, Carbondale; Oscar Mennrich, Chester; Gillis Nevill, Elkhart; Silas Shannon, Murphysboro; Santo Cicardo, Pinckneyville; Russell McCoy, Ava; Sam Tyner, Carterville; Harvey Leemon, Sparta; James Gordon, Ava; Sam Thompson, Ava.

Drill: Wilburn Doolin, Coulterville; Henry Fedderke, Chester; Chas. Hannah, Coulterville.

Saw: Wilburn Doolin, Coulterville; Earl Reiman, Ava; Ted Taylor, Ava.

Refrigerator: Delbert McIntyre, Sparta.
Lawn mower: Robert Henderson, Carbondale; Ronald Penrod, Makanda.

Razor: Chas. Hannah, Coulterville.
Hot plate: Fred Stockton, Pinckneyville; John Carrel, Cutler.

Sewing machine: Walter Schopfer, New Athens.

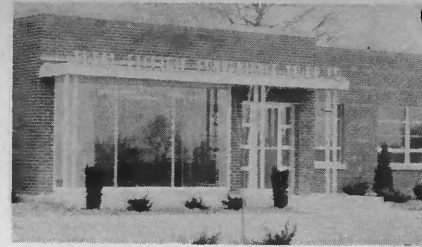
Feed mixer: Albert Kloepper, Red Bud.
Dryer: H. O. Dickerson, Carbondale.

Sweeper: Herbert Liefer, Campbell Hill; Jos. Martin, Pinckneyville; Ronald Penrod, Makanda; Rev. Richard Roloff, Ava.

Radio: Rev. Richard Roloff, Ava.
Ironer: Clifford Smith, DuQuoin.

News From RURAL Elec. Conv. Co-op

Auburn
Ralph V. White, Manager



Business Meeting

Your annual meeting is the regular business meeting of your cooperative. You will hear the business reports, operating facts, financial reports and other business to come up at the business session. The business meeting will be concise and punctuated with entertainment features.

You, as part owner of one of the largest, locally-owned businesses in this area should take pride in seeing after the affairs of your electric business. Here is a golden opportunity to get first hand information on the operation of your cooperative. Remember, when you become a member, you also become part owner along with your friends and neighbors who are members. Your membership entitles you to a vote. Each member has one vote, so you have just as much right and authority as your neighbor. Exercise your right to vote at your annual meeting.

Election of Directors

You not only vote for policy and by-law amendments, but you vote for directors to look after your interests in the cooperative. There are nine members on the board of directors, three to be elected each year for three-year terms. These members are elected at the annual meeting. The directors serve you by reviewing progress and adopting new policy for your cooperative.

As stated above, three directors are to be elected at the 1956 annual meeting. There are nine districts in your co-op area. This year directors from Districts 1, 2, and 3 are to be elected.

District 1 consists of Pitman, Harvel and Bois D'Arc townships in Montgomery County.

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

District 3 contains South Fork, Taylorville, and Buckhart Townships in Christian County and Cotton Hill and Rochester Townships in Sangamon County.

Members may be nominated by an appointed nominating committee or by petition of 15 members from the district for which a director is to be elected.

It appears that some directors may have more area than others. However, it is distributed according to co-op area in the particular townships and number of members so that each district contains approximately the same number of members.

The present directors from these districts are:

District 1, George Simon. District 2, Fred Harms. District 3, Lester Draper.

Many Awards

Many prizes will be awarded to members registered at the annual meeting. You must be present, so come early and register. More information will appear in your co-op publication, "Rural Hi Lights." Watch for it and your official notice of your annual meeting.

* * *

Members—a reminder of the big bonus that your cooperative is offering to new users of: Electric Ranges, \$20; Electric Water Heaters, \$15; Electric Clothes Dryers, \$10; Electric Water Systems (Home), \$10; Electric Air Conditioners, \$7.50; Electric Home Freezers, \$10.

Your co-op is allowing a free electric installation bonus up to the amounts shown for new users of these electric appliances. For full details see your dealer or your own electric cooperative.

This bonus offer is open to members who install the electric equipment and are new users up to September 1. Act now! Equip your home with modern economical, step-saving electric equipment.

just what we promise—entertainment for the entire family. See you at the annual meeting!

Office Hours—7:30 a.m. to 4:00 p.m. Monday through Friday. The office is closed all day Saturday. Telephone number—Auburn 3205. After office hours call Divernon 19.

Make trouble calls to the outage reporter on your telephone exchange. The outage reporter will notify the cooperative office.

The 1956 annual meeting of your electric cooperative will be held August 6 and 7. The meeting will be the caravan and electric show type as it has been for the past few years. There will be a program the evening of August 6. On August 7, the regular business meeting will be held.

Talent Contest

An amateur talent contest will be held on the evening of August 6. Any person or group of persons who are users of electric service supplied by your cooperative will be eligible. (At least 50 per cent of a group must be users of co-op electric service). This is an amateur contest. Contestants must not earn more than 10 per cent of their income from professional entertainment as it pertains to the act.

Prizes will be given as follows:
First: \$15 and the opportunity to compete in state finals with winners of other co-ops.
Second: \$10.
Third: \$5.

We need your help, so enter the contest now and compete for the cash prizes plus the opportunity to compete with other winners for higher cash prizes. Here is an opportunity for you to win a prize and make your annual meeting a success.

Beauty Contest

One outstanding event of the annual meeting is the naming of "Miss Rural Electric Convenience Cooperative of 1956." Unmarried girls between the ages of 16 and 22, who are members of a family residing in a home served by your cooperative are eligible for this contest. Valuable prizes will be awarded to the winner and two runners-up in this contest.

Who will be "Miss Rural Convenience Cooperative of 1956?" It may be you! Enter now.

(Note to family and friends of eligible girls: Help your co-op by suggesting contestants for the title "Miss Rural Electric Convenience Cooperative of 1956".)

For further details contact your rural electric cooperative or one of the directors.

News From ADAMS Electrical Co-op

Camp Point
Dean Searls, Manager



The spray crew is still operating in Adams County spraying areas which could not be covered last year, and which made excessive growth this spring. Later on, their activities will be concentrated in Brown and Schuyler Counties, which have not been generally covered since 1954.

Most of the line crews are working on general maintenance; repairing line damage from the winter months, tightening hardware, re-sagging and straightening lines, etc. A number of the office employees and the power use



Dean Searls

News From ILLINOIS VALLEY Electric Co-op

Princeton
F. I. Ruble, Manager



Dear Member: Tuesday, September 25, is the date of the 17th annual meeting of your cooperative. It will be held at the Apollo Theatre in Princeton beginning at 12:30 p.m., for the transaction of business and the election of three members to serve on your Board of Directors each for a term of three years.



F. I. Ruble

An unusual program has been planned for your interest and more details will be presented in our next issue.

The annual meeting held each year brings each member, vital information

about the operation of their cooperative and facts necessary for its continued success.

It is the meeting in which each member participates and has an opportunity to express his or her desires by vote.

There will be a large number of attendance awards including many electrical appliances. You can make this 17th annual meeting successful by your attendance. We shall plan on seeing you on Tuesday, September 25, and bring other members of your family along to enjoy the program. Sincerely yours, Upton Craig, president.

Tips for Economy

You'll notice with summer months that your freezer and refrigerator will start and stop more often. Since the air is warmer, the cooling system must run more to remove heat from the things within the cabinet.

There are several things that can be done to save these appliances work. First of all, when putting food into them, put it all in at once. At the end of a meal refrain from opening and closing the door for each item. Get them all together and then put them in, at one opening. When getting something from the cabinet or putting something in, close the door promptly. Leaving the door open only loses the cool air you have already paid for. If the equipment is out on the porch or where the sun hits it, it will naturally run more, so move it where it will be shaded. Using a vacuum cleaner to take the dust and dirt out of the cooling system and vents will always help. Try these suggestions and you will find they make a difference.

Check Your Wiring

Check your wiring before you add air conditioning.

Avoid future expense and disappointment. Don't add an air conditioning unit until you're certain that you have sufficient wiring to handle the additional load. Have your wiring checked first, and add the wiring you may need.

Even if your home is brand new, you may not have adequate circuits or large enough wires for air conditioning. The additional demands can overload your present electric system, so that your new unit does not work at all, or it slows down and lessens the efficiency of your other appliances.

Before you install air conditioning, remember: You need a three-wire service into your home. If the unit is 1/2 ton or larger be sure it is designed for 230 volt operation. Install a separate electric circuit, of properly sized wire, from the switchbox to each convenience outlet where an air conditioning unit is to be plugged in.

To enjoy the full benefits of air conditioning and to save money later, get the additional wiring you need now. Ask us for information, or speak to your electrical contractor about the additional wiring your home may require.

Note: In order to be sure of satisfactory operation please advise your cooperative office, when you plan to install air con-

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

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

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

TO REPORT OUTAGES AT ALL TIMES IN—Galva Area—Lester Register, Maintenance, Telephone Galva 504-J
Ottawa Area: Jack Lewis, Maintenance, Telephone Ottawa 2987-R-3
Farrel Brooks Phone 2423-L, Ottawa

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

ditioning equipment. You may need a larger transformer, and we certainly want you to have satisfactory operation of your room air conditioner.

Equals 13 Man-Hours

Most members cannot realize the amount of work electricity does in the home and on the farm. The usual thought is how many kilowatt-hours have been used and the amount of the monthly service statement.

A kilowatt-hour is the unit for measuring the amount of work electricity does for you. It is as much work as a man can do if he applies himself steadily for a little more than 13 hours. As you would pay the man for his work, so you must pay for the work of electricity. However, this rate is lower.

Bearing in mind that one kilowatt-hour is equal to 1000 watts of power used over a period of one hour simply means that a 100 watt lamp can be operated for 10 hours. You are actually using 100 times 10 or 1000 watt-hours which is measured as one kwh.

Most appliances are marked on the name plate with the number of watts they use per hour. Figured at today's price of \$1 per hour for labor hired, 200 man-hours would cost \$200. Electricity would do an equivalent amount of work while consuming 200 kwh. for a cost to you of only \$8.34.

Heat Pump

Would you believe that there is enough heat in the outside winter air to heat your home? Well, there certainly is. And with a heat pump you can heat in winter and cool in summer.

There are several different types of heat pumps in operation today. Air to air, water to water, etc. It all depends what operation would be most acceptable for the location.

With this type of heating and cooling you have even indoor climate every day of the year.

The heat pump requires no fuel, and works without flame, providing cleanliness, convenience, and comfort. It can be installed in a closet, cellar, or storage area. It is completely safe, so there is no fire hazard from either spark or flame.

What could be more modern than a heating and cooling system in one unit and no fuel worries?

If you contemplate building a new home especially of the bungalow type, it will be to your interest to investigate heating and cooling for it. Your cooperative office will be pleased to confer with you, if you are interested in securing additional information.

Co-op Presents Program

Your cooperative presented the program for members of the Sheffield Methodist Church, on Sunday, June 3. The program was preceded by a delicious pot luck supper. Mr. and Mrs. Herman Wilhelm were co-chairmen of the program committee.

A talk on "What your cooperative is doing" also included data on cooperative history. To conclude the program the new

motion picture "The Rural Electric Story," was presented. This is a beautiful sound motion picture in color, and graphically describes the start and early history of REA cooperatives.

This film was also shown at the Community Club meeting at Hollwayville on June 7.

Why not call your cooperative office and arrange for this motion picture showing sometime during the next three months. The film is informative, interesting, and entertaining and your cooperative will provide the entire program or fill in for part of it.

Chosen State Farmer

Sheldon Nordstrom, son of Mr. and Mrs. Francis Nordstrom, Tiskilwa, members of your cooperative, was chosen from the local Tiskilwa FFA chapter by the Illinois Association of Future Farmers of America as a candidate to receive the Illinois State Farmer degree.

The state farmer degree is the highest degree which can be granted by the Illinois Association of FFA.

The basis of selection is upon the student's farming program during his four years in agriculture in high school, his scholastic average, which must be above 85 per cent of his class, and the amount of money earned during the four years.

The ceremony conferring this degree occurred June 8, during the evening session of the FFA state convention in the state armory at Springfield. Mr. and Mrs. Nordstrom attended the ceremony.

Your cooperative extends congratulations to Sheldon on winning this degree.

1956 FFA Sectional Winner

Stanley Nelson, Cambridge, 1956 sectional three winner of the Illinois FFA Foundation farm electrification award along with his agricultural instructor, Allen Utesch, also of Cambridge, were guests of the Illinois Farm Electrification Council on a two-day tour, June 26-27. Seven other sectional winners, their instructors and five power supplier representatives also made the tour. A day was spent in Dixon visiting the Public Service Company power plant and a dairy farm in the area. The second day included a visit to the Northern Illinois Distribution Farm and a trip to the DeKalb Research Association Farm. A visit was also made to the new General Electric plant at DeKalb. The group were guests of the Illinois Farm Electrification Council. Fred E. Darr, represented your cooperative on the tour. Stanley Nelson is the son of members Mr. and Mrs. Walter Nelson, Cambridge. Congratulations Stanley.

More workers are accidentally killed in farm work than in any other major industry, mainly because industrial plant workers observe safety precautions better.

Harvesting your oat crop as silage gives young legume-grass seedlings a break by cutting down competition for light and water.

News From CLAY COUNTY Electric Co-op

Flora
Elmo A. Cates, Manager



Yes, it will soon be annual meeting time again. We will have the caravan again this year and we are planning plenty of entertainment for you. We will have an added attraction this year.



Elmo Cates

We have Nadyne and Nardini. Both are very talented and you will certainly enjoy this part of the program.

We plan to have a representative of the Illinois State Police again this year. He will demonstrate the speed radar and give a safety talk.

Another hot-line demonstration will be given by one of our job training and safety instructors. This will be educational and entertaining.

Your cooperative is sponsoring a beauty contest again this year. This contest is open to girls between the ages of 16 and 22 whose homes are served by our cooperative. The girls have enjoyed participating in our past contests.

For our night show, we are sponsoring an amateur talent contest. The same rules apply as for the past two years. The contestant must be from a member's home or if a group, at least 50 per cent must be from members' homes.

We are working with 4-H and other youth groups in securing contestants. To the club sponsoring the first place winner in the beauty contest the cooperative will give \$25. To the sponsor of the first place winner in the talent contest we will give \$15. Now come on clubs and get your entries in.

Self-Billing

We have had a number of requests to cut down on the dates to remember in taking care of the electric bills. To do this your Board of Directors has decided to go to self-billing as of January, 1957.

The majority of cooperatives in Illinois use this form of billing their members. This is done by sending each member a book of billing sheets (enough for two years), rate chart and instructions. Then on the 15th of each month you will read

TELEPHONE NUMBERS

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

your meter, subtract last month's reading and after finding out how many kilowatt hours were used, use the rate chart to find the amount to send in.

We will have charts to show this at the annual meeting and will be glad to show you how it will work.

Notes from Linda

Hello everyone! I'm glad to be on the job and ready to serve you. I will be available during the summer months to give a talk or demonstration for your club group or meeting, on such subjects as better lighting, over-loaded circuits, small electrical appliances and others. Please contact your local co-op office at Flora.

Now for a few tips on lighting, which we all should know. A 100 watt bulb gives nearly 1 1/2 times as much light as a 75 watt, twice as much as a 60 watt, 2 1/2 times as much as a 50 watt, and 3 1/2 times as much as a 40 watt bulb. It is false economy to skimp on light.

The life of a fluorescent bulb is shortened by turning it off and on unnecessarily. It is better to leave the fluorescent lamp on if you are leaving the room for a short time. The saving in cost of tubes will more than pay for the electricity used.

Contrary to the common belief, it doesn't make any difference whether the light comes over your right or left shoulder when you are reading. However, for sewing and writing the light should be to the left of a right-handed person, and to the right of a left-handed person to avoid casting a shadow over your work.

Don't make the mistake of viewing television in a darkened room. Use your floor and table lamps and turn to a low level only if shades appear brighter than the screen. The use of balanced general lighting helps minimize eyestrain caused by a strong contrast between the bright television screen and a dark surrounding area.

Accidents DO Happen!!

Yes, when you least expect it, sickness or an accident can take you off the job and leave you lying in bed or sitting helplessly in a wheelchair!

Did you know that during the next 12 months:

- 14,000 farm residents will die in accidents
- 1 out of every 19 will suffer disabling injuries
- 1 out of every 3 will be sick?

Yes, it CAN happen to YOU! And, like every farmer whose livelihood depends upon his physical well-being, you need the protection of a sound, well-established insurance plan that will provide for your family during the weeks, months, or years that you may be in confinement, unable to work. That is why we ask that you learn more about . . .

THE FARMERS' PLAN
 Accident • Sickness • Hospitalization
 Surgical and Medical Insurance
 Maternity and Polio Benefits
FOR FARMERS ONLY

ACCIDENT

- Pays \$10,000 for accidental death anywhere.
- Pays \$10,000 for loss of any two or combination of two members in ordinary accidents.
- Pays \$5,000 for loss of one foot or one hand.
- Pays \$3,333 for loss of 1 eye.
- Pays \$100-\$200 per month for loss of time due to accident, even for life.
- Pays \$200-\$400 per month while confined in licensed hospital up to 3 months in any one case.

SICKNESS

- Pays \$100-\$200 per month for loss of work time due to illness (1 or 2 years, your choice).
- Pays \$200-\$400 per month while confined in licensed hospital, up to 3 months, any one case.
- Pays for 2 months out of each year for time lost due to pre-existing condition, if such condition is noted on application, and applicant is not under doctor's care at the time.

NOTE: The benefits outlined here do not apply to policyholders while in military or naval service. Also, The Farmers' Plan does not cover insanity or dental treatment.

HOSPITALIZATION

- \$8.00 or \$12.00 per day on room—YOUR CHOICE!
- Up to \$80.00 allowable for unallocated hospital expense for each confinement.
- Up to \$80.00 allowable for out patient emergency treatment for accidents.
- Up to 5 times daily room-rate allowable for pre-existing condition.
- Each confinement 90 days.

SURGICAL BILLS

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

MATERNITY BENEFITS

- HOSPITALIZATION: Pays 10 times daily room-rate. Full amount paid.
- DOCTOR BILLS: Pays \$50 minimum for single birth, \$100 for twins

The above benefits are resumes of our policies numbered 5025, 5021, and 3903.



HERE'S WHY THE FARMERS' PLAN WILL ALWAYS PROTECT YOU WHEN YOU NEED IT MOST

1. Policy is Guaranteed Renewable and NON-CANCELLABLE BY COMPANY. Remember, you OWN this insurance protection—you do not RENT it.
 2. If a claim for the same disability re-occurs, full benefits are paid, no matter how often it re-occurs.
 3. No waiting periods.
 4. Covers you wherever you may be, any place in the world.
 5. No house confinement ever required for illness or accident.
 6. No physical examination when applying for policy.
 7. No decrease in benefits as you grow older.
 8. No termination because of increasing age.
 9. Rates can never be increased after policy is in effect. One rate for family. No extra charge for additional children.
 10. No policy or joining fees.
 11. Special provisions for pre-existing conditions.
- Sold on a Positive Money Back Guarantee if policy is not exactly as represented within 30 days of policy issuance by The Farm & Home Insurance Company, Indianapolis, Indiana.

or Caesarean. Also pays \$40 for miscarriage, and \$125 for tubular pregnancy.

—No waiting periods as long as start of pregnancy follows issue date of policy. Pays for miscarriages and pre-mature babies.

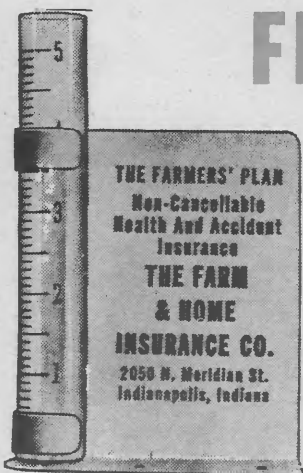
DOCTOR BILLS PAID

—Pays for doctor's visits at home, office, or in hospital up to a maxi-

mum of \$150 per claim, on a per visit basis. Five calls each year for pre-existing conditions.

POLIO BENEFITS

—Pays \$500 for medical and hospital expense, and \$500 for orthopedic appliances . . . a total of \$1,000 for polio paid in addition to all other benefits!



FREE Rain Gauge

Just for letting us tell you more about

The Farmers' Plan

This rain gauge, which actually records the amount of rainfall, is a sturdily-constructed device that will last for years and years. And, it's an item that you'll find to be very useful. If you are a farmer, and over 18 years of age, simply clip and fill in the coupon, mail it to us, and you will receive your rain gauge . . . FREE OF CHARGE.

MAIL THIS COUPON

I am a farmer over 18 years of age, and I wish to receive information about The Farmers' Plan, along with my free gift. I understand there is no obligation. I am interested in: Income Protection Hospitalization for an Individual Hospitalization for Family. My age is _____

Name _____

Address _____

City _____ State _____

Detach and mail to:

Department IREN-7
 THE FARMERS' PLAN
 2050 North Meridian Street
 Indianapolis, Indiana