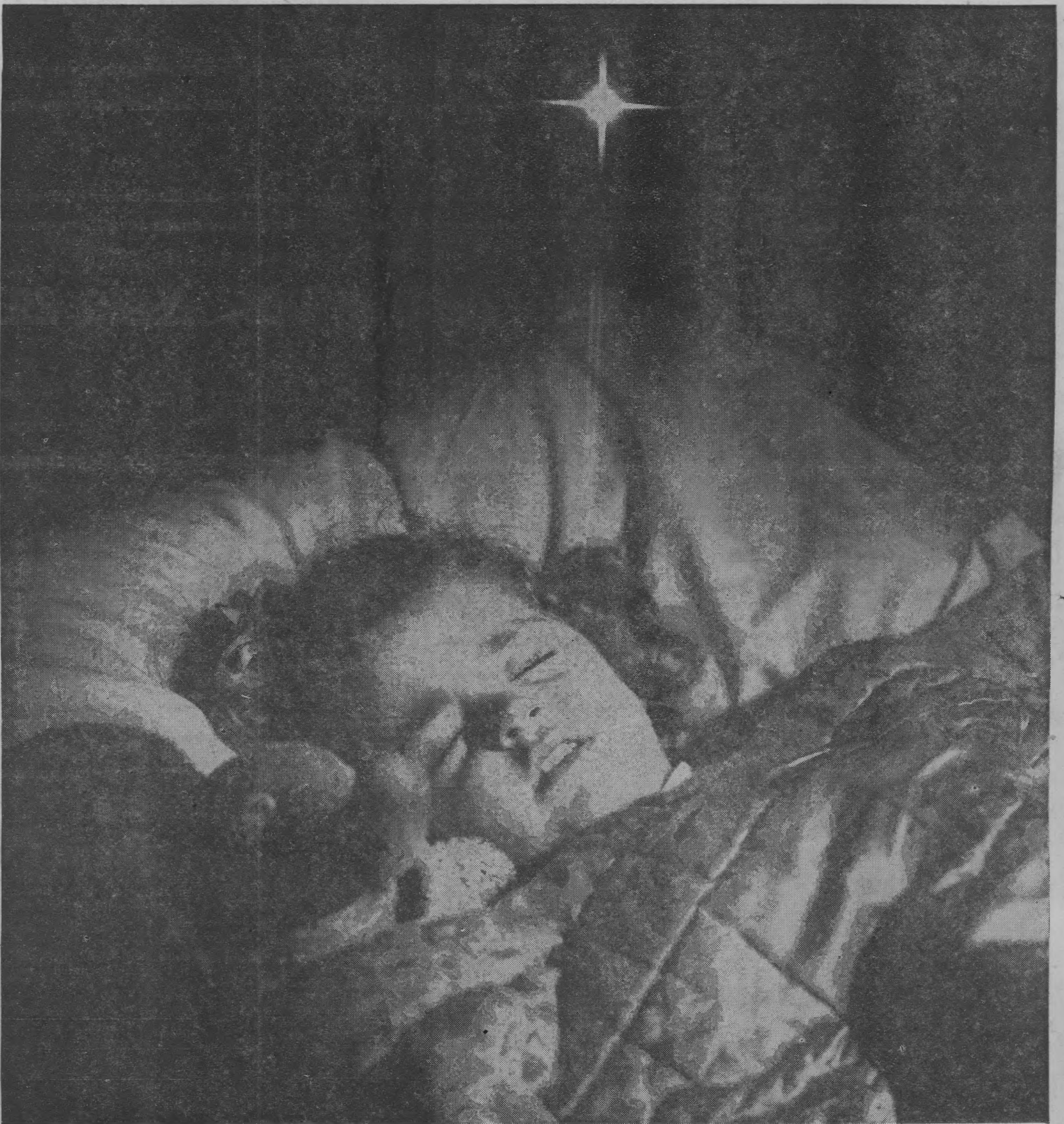


*Illinois*

# Rural Electric News

DECEMBER, 1957



*Merry Christmas - Happy New Year*



# REA independent status should be restored

One of the chief reasons why the Rural Electrification Administration has achieved a record for efficient accomplishment second to no other Federal agency, is because of its non-partisan nature.

When Congress set up REA over 20 years ago, it wisely provided that it should be a completely non-partisan, non-political Federal agency. For this reason, REA was established as an independent agency with an administrator given a 10-year appointment. While the Agriculture Reorganization Act of 1939, put REA in the Department of Agriculture, its independent status remained intact with the administrator the only one authorized to approve loans to co-ops.

Now, however, Agriculture Secretary Ezra Benson, under the authority of another Agriculture Reorganization Act (1953), has directed the REA administrator to get approval from his (Benson's) office for all co-op loans over \$500,000.

What does this mean to the millions of farmers and other rural

people here in Illinois and throughout the nation? It means that their rates may go up, and that REA loans may be used for political purposes.

Why may electric rates go up because of Benson's action? Simply because most co-ops buy their wholesale power from commercial utility companies. Commercial utility companies will charge co-ops much higher rates when they know that co-ops can't get loans to build their own electrical generating plants. All such loans exceed \$500,000. When co-ops have to pay higher rates, so do the members—and that means you.

These highly important g. and t. loans, which give co-ops the only bargaining leverage available to them in negotiating wholesale rates with power companies, are now subject to the "advice" of Benson's office. That puts them in the realm of politics. After all, Benson is a political figure. He is a member of the President's cabinet and is strongly partisan.

Benson's action in regard to the \$500,000-and-over loans, has led to a campaign among grassroots rural electric co-op leaders throughout the nation, to have Congress re-establish REA as an independent Federal agency in order to get it "out of politics."

The wisdom of keeping REA out of politics should be clear to all Congressmen, regardless of their party affiliations. Partisan politics will destroy REA. Congress will be doing the rural people of the nation a great service by taking steps to restore REA's independence, and thereby safeguarding its non-political status.

# Between the Poles

by BILL MURRAY

## Country needs happier officials so let's take the frustration out of golf

We often wonder what effect the game of golf may be having on the destinies of our nation. With so many public officials pursuing the game so seriously these days, it is a matter not to be dismissed lightly.

And those tycoons of the business world, who wish to influence government leaders, have also become addicts of the game. This example of the nation's big shots has filtered down through the ranks, and thousands of humble citizens, who are not trying to influence anyone, have taken up the sport with frenzied enthusiasm. The craze for golf is sweeping the country.

Just as the wonder drugs often produce toxic side effects, so does the game of golf. True, it affords exercise, which is a good thing for most people. But perhaps most people would be better off washing the family car instead.

While anyone who has played golf more than once may not admit it, the fact is that there is no more frustrating game known to mankind.

We have yet to meet a golfer who can dismiss missing a two-foot putt with a carefree shrug of the shoulders. It takes at least 48 hours for even the most jolly to brood out a catastrophe like that.

Because so many important officials, both in government and business persist in playing golf, steps should be taken to eliminate some of the frustration from the game. Unhappy, frustrated leaders cannot be expected to make happy, unfrustrated decisions. As far as the millions of rank-and-file golfers are concerned, they too should be delivered from their misery.

### SUGGESTED CHANGES

Here are some common-sense proposals to reform golf made in the interests of national security and national sanity:

1. Allow the player to take each shot over twice on the first hole.

This is very important. The average player gets out once a week or so. He's so rusty that he usually botches the first hole. This makes for a bad

beginning and infuriates him for the rest of the game.

2. Set a limit of seven strokes for the first hole no matter what.

We've got to get the player off to a good start, if we want to keep his frustrations to a minimum.

3. Enlarge the size of the greens by three times, and the size of the cups by four times.

Average golfers are notoriously bad putters. After blasting a ball four or five hundred yards onto the green in three strokes, the tragedy of taking three or four more strokes to advance the ball 30 or 40 feet into a tiny cup, cannot be understood save by those who have had the grim experience.

### NO WATER

4. Eliminate all water on the golf course except for drinking purposes.

Hitting the ball straight is hard enough. Why scare a duffer to death by locating a pond at just the distance he usually drives? Besides losing two strokes for going into the water, as if this weren't tragic enough, the player loses a ball that costs him 75 cents to \$1.

5. Eliminate out-of-bounds.

Same reasons as No. 4.

6. Allow player to replay half a dozen shots on each nine holes.

Give the poor clunker a chance. He doesn't know how to play the game. He's out for the exercise and relaxation even if he doesn't realize it. Let's keep him happy.

7. Limit the number of strokes to eight on any hole.

This should calm his nerves when he blows up occasionally. A score higher than this will make him a wreck for a week, and the butt of snide jokes.

8. Bar women from golf courses except between 5 a.m. and 8 a.m.

This may sound high-handed, but those who have had to play behind a female foursome will understand that the game is tough enough without being held up by the ladies who play the game with a methodical slowness that drives one to despair.

The improvements suggested should reduce the frustrating aspects of the popular game of golf to a minimum. The result? Public officials will be less frustrated, calmer, and better able to serve the nation. Businessmen may become optimistic again. And the millions of duffers who crowd the thousands of golf courses each week-end, will be kinder to their wives and children.

# Washington Roundup

by WILLIAM S. ROBERTS

## Senator Fulbright comes out against bill which would double REA interest rate

● Senator J. William Fulbright (Ark.) recently announced opposition to the bill introduced in the Senate last fall by Senator Capehart of Indiana which would increase REA interest rates. Fulbright is chairman of the Senate Banking and Currency Committee which has scheduled hearings on the bill early in the next session of Congress, reconvening next month.

Fulbright said that this bill, sponsored by the Eisenhower Administration, would double or triple REA's 2 per cent interest rate, which would put more burden upon the farmer, who is already suffering a depression. "The Administration has already increased cost of Federal power to rural electric co-ops in Arkansas (and elsewhere in the Southwestern Power Administration area) by 27 per cent."

While electric co-op leaders still expect a tough battle in Congress over the interest rate, they think tension will ease some because of the recent Federal Reserve Board's drop in its discount rate from 3½ to 3 per cent. The treasury has also cut its interest rate on long-term bonds from four per cent to 3.875 per cent.

## Indiana Farm Bureau head favors co-op electric power plant

The retiring president of the Indiana Farm Bureau went on record last month supporting the proposed co-op generation plant in his state. Hassil E. Schenck said that rural electric co-ops in his state can erect and own their own generating and transmission plant, pay a fair interest rate,

and supply the farmers with energy at less than present cost.

Schenck referred to the Hoosier Electric Co-op which has applied to REA for a \$42-million loan to construct a g. and t. co-op. This loan is being bitterly opposed by the state's private utilities and the Indiana Public Service Commission.

Until the Public Service Company of Indiana obtained a rate increase "higher than was justified" from the Public Service Commission, Schenck declared, the utility and the farmers of Indiana had a fine working relationship. The power company disrupted this relationship, he said.

## Power Companies to reap billions through depreciation loopholes

Many people no doubt thought that when Congress called a halt to rapid tax write-off subsidies, as of December 31, 1959, that tax loopholes for power companies had been closed for good. However, a section of the Internal Revenue Act of 1954 promises to provide subsidies to power companies which will make the tax write-offs seem like pikers. It is contained under section 167, or liberalized depreciation section.

Liberalized depreciation allows power companies to depreciate electric plants heavily in the early years, and less in later years. A Federal Power Commission staff member has estimated that power companies using this section of the Revenue Act will accumulate nearly \$18-billion in subsidies during the next 20 years.

It amounts to a tax deferral for the companies which is never fully recovered by the U. S. Treasury. The companies also get a six per cent return on the so-called tax deferrals. This creates tremendous reserve funds. Congress is expected to take a second look at liberalized depreciation during its second session.

Illinois

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April 22 seemed like any other day to Co-op Lineman Joseph Huelsmann until he touched a 7,200 volt line

## Quick thinking of co-workers brings lineman back to life



Artificial respiration, administered by Leonard brought Huelsmann back to life. Becker's call to Leonard also helped to save the man's life. The men are shown re-enacting the dramatic scene.

To Joseph H. Huelsmann, last April 22, started off like most other work days. But a few hours after he had reported for work, he was thought to be dead!

Had it not been for the quick thinking of his co-workers, William Leonard and Ernest Becker, Huelsmann would not have lived to tell about his narrow escape from electrocution.

All three of these men work for the Clinton County Electric Cooperative of Breese. Huelsmann and Becker are linemen for the co-op, while Leonard is a groundman and truck driver.

On that particular Spring day, the three men were working a few miles outside of Breese. They were engaged in replacing a 35-foot pole with a 40-foot pole, on a single-phase 7200-volt line.

Huelsmann climbed the new pole to install the hardware, preparing to connect the hot line to it. Becker, foreman, climbed the slightly leaning,

old pole to disconnect the hot line. Leonard stayed on the ground and supplied tools to the two men.

Foreman Becker heard Huelsmann cry out. He looked up and saw Huelsmann's right hand frozen to the hot line, and small puffs of smoke drifting up from the apparent lifeless body.

Becker alerted Leonard, who jerked the rope guy wire attached to the pole. This movement knocked Huelsmann loose from the hot wire and his lifeless body slid down the pole.

Leonard released Huelsmann's limp body from the safety straps, eased him to the ground, and began to apply artificial respiration. "I thought it was hopeless. He was already blue and I couldn't feel any pulse," the groundman says.

But determined to bring life back into his fellow workman, Leonard kept working over the unconscious man. After what seemed a very long

time to the anxious Leonard, but, in reality, amounted to only a few minutes, the "lifeless" Huelsmann took his first breath. After he began breathing normally, they rushed him to a doctor, who pronounced the electric shock victim, as good as new, except for a few mild burns on the palm of his right hand and on his left foot.

Huelsmann went back to work the next day. He had only a faint recollection of what happened to him when he touched the hot wire which sent 7200 volts through his body. He recalls that his hair seemed to dance on his head before he blacked out.

The quick reactions of Leonard and Becker saved Huelsmann's life. Without artificial respiration he would have died in a few minutes. Recently, Employers Mutual Insurance Co., which insures Clinton County employees, presented Leonard and Becker with gold wrist watches in recognition of their heroism.



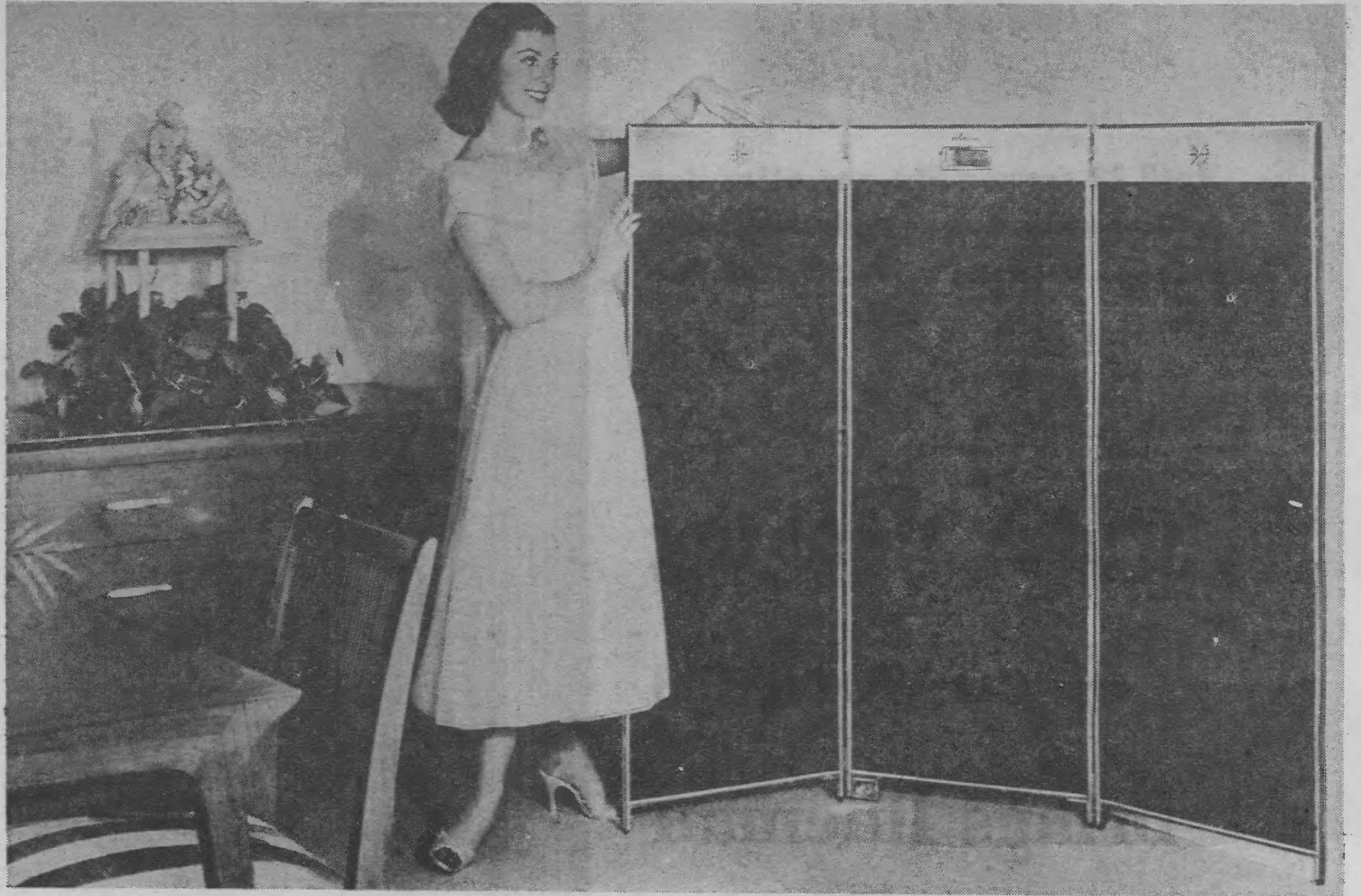
Thanks to the quick thinking of his fellow workers, Joseph Huelsmann's family is not today fatherless. Left to right: Mary Margaret, 14; Wayne, 4; Huelsmann; Elaine, 8; Mrs. Huelsmann; and Pamela, 7.



William Leonard, center, and Ernest Becker, right, receive wrist watches in recognition of their heroism in saving a fellow employee's life. Carl Calander of Employers Mutual Insurance Co., presents the awards.



One of the most unusual developments in portable electric heating units is this radiant heat screen. It consists of three large heat panels resembling decorator's screen. It operates on 115-volt current.



## Best solution to most heating problems

Portable electric heating units are the best solution to providing warmth in hard-to-heat rooms, new additions, or in an area such as an attached garage, where heat is only required temporarily.

Many new types of these wonderful heating devices have made their appearance in the stores recently. There now are dozens of different types of heaters to choose from in a wide range of prices starting from as low as \$10.

Big advantages of electric heaters are that they can be completely automatic; they can be moved around the house, and that they are perfectly safe.

One of the most unusual of the recent developments in portable electric units, is the radiant heat screen made by Arvin Industries, Inc., Columbus, Ind. It consists of three large heat panels designed to resemble a beautiful decorator's screen. This unit would be a handsome addition to any room in the house.

### LARGE HEATING SURFACE

The screen, with a total of 20 square feet of heating surface, is the largest portable heater on the market. However, it can be plugged into any 115-volt outlet, so that it can be used practically anywhere in a house. Another feature of this unit, is that it can be folded for compact storage. The radiant screen sells for \$89.95.

Another new and unusual heating unit, is called the "Longfella", manufactured by Thermador, 5119 District Blvd., Los Angeles, Calif. It too can be carried around the home to furnish warmth wherever and whenever required. It is 28-inches tall, has a safety base, a carrying handle, and weighs five pounds. It is a plug-in model for 115-volt current. Price, \$12.95.

Still another type of electric heating device is the portable steam radiator. Manufactured by the KamKap Company of 1107 Broadway, N.Y. (10), N.Y., it comes with a wall thermostat which makes operation automatic. A chromolax heating unit

provides quick heat, and the radiator design gives greater heating capacity.

This heater is available in either two, or three-quart capacities. It can be plugged into any wall outlet. It sells for between \$35 and \$40, without the thermostat, which is extra at \$9.98.

There is also on the market a portable electric heater with a built-in stand and carrying handle. The stand permits the heater to be turned in any direction. Push-button controls provide either radiant heat (1320 watts) or fan-forced heat (1650 watts).

The heater is trademarked 'Fresh 'n-aire' and is made by the Cory Corp., Chicago, Ill. It has a visual thermostat and operates on 115 volts. It retails for \$34.95.

Ceramic type electric heaters now on the market have heat-holding qualities which reduce cost of operation. The Heatmore portable baseboard heater is of this type. Designed in a baseboard unit, the heater is to be placed on the floor.

### AVAILABLE IN SIX COLORS

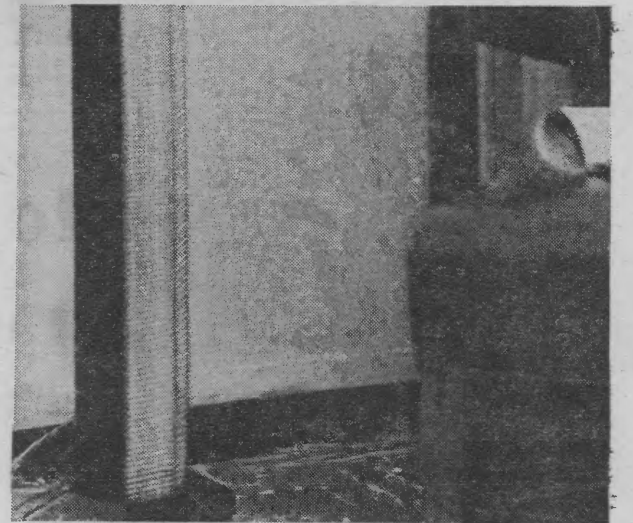
This ceramic heater is available in six colors. The heater has an adjustable thermostat, and a mercury safety switch which shuts it off should it be tipped over. A cord rack eliminates the nuisance of loose cord on the floor.

The ceramic heater is rated at either 500, 750, or 1,000 watts, and can be connected to any house outlet. The heater retails at \$39.95 and is manufactured by Heatmore Inc., 59 Throop Avenue, Brooklyn 6, N.Y.

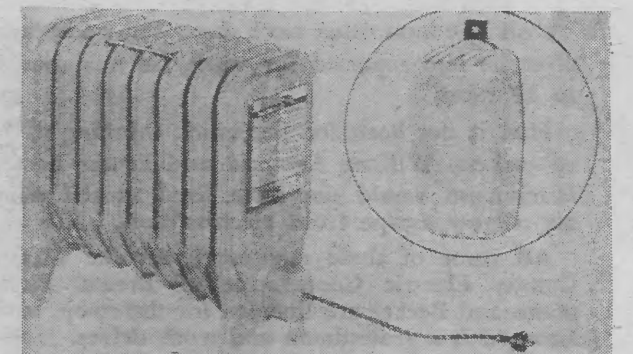
There's also another ceramic portable heater on the market now. It is the Viking Bermuda, made by Plume and Atwood Manufacturing Co., Thomaston, Conn. This heater has an element made of nichrome wire around ceramic cores.

It warms by convection currents only. It is really a radiation type heater in a new design. The heater is rated at 1320 watts and retails for \$17.50.

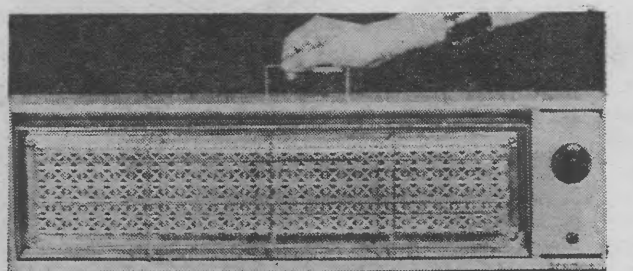
All of the heaters described have been approved by the Underwriters Laboratory for safety against electrical shock.



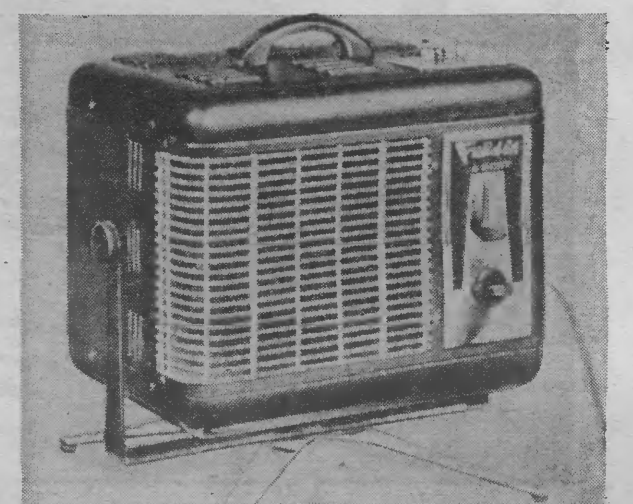
This odd shaped heating unit is called the "Longfella" and can be carried around the house and plugged into any wall outlet. It is 28 inches high.



Portable steam radiator can be had in either two, or three-quart sizes, and can be purchased with a thermostat.



Here's a portable baseboard ceramic heater, called the Heatmore. It has a mercury safety switch to shut it off if it is tipped over.



Cory Manufacturing Co. make this heater with built-in legs and carrying handle.





Charles Cobb prepares to ship some of his 5,000 turkeys to markets in nearby Jacksonville.

This turkey raiser finds

## POND, CHEAPEST WATER SOURCE

Charles Cobb raises around 5,000 turkeys a year on his small farm near Jacksonville. And the problem of supplying water to these fowl had always been a headache until Cobb built a pond.

When he started raising turkeys 10 years ago, a well supplied the water on his small farm. Then it went dry. And for one summer Cobb hauled water from Winchester, about 10 miles away.

"During that summer-I made three trips a day for water," Cobb points out. "I hardly had time for anything else." He hauled 500 gallons a trip at a cost of 75 cents, making a total daily expense of \$2.25.

"That may not seem like much,

but, it was more than enough to pay for my pond," Cobb explains. The one-half acre pond cost \$350, which includes pump and water line to the brooder house.

"I would have constructed the pond sooner, but I was told that it would never hold water." So, Cobb first attempted to drill a deep well. He spent \$1,000 on a 230-foot well, but couldn't find water. That's when he made up his mind to build a pond.

For the site, Cobb selected a deep gully about halfway between the turkey ranges and his brooder house. He installed a one horsepower pump in a pit on the side of the hill overlooking the pond, and connected 600 feet of half-inch plastic pipe to it and the brooder house.

### Uses Portable Pump

He also placed a portable pump at the pond for filling his water tank to carry water to the turkeys on the range. Besides using the water from the pond for his turkeys, Cobb uses it in his home for washing purposes and to flush the toilet in his bathroom.

Cobb used to operate a hatchery and raised turkeys as a sideline. In 1952, he sold the hatchery and began to concentrate solely on turkeys. He raises bronze.

He starts the small turkeys in May in a 40 by 130 foot brooder house, where they are usually kept until they are eight weeks old. An automatic feeder and automatic waterers in the brooder house eliminate much of the hard work for Cobb.



Cobb sets the timeclocks which regulates the automatic, electrically-powered feeders in the brooding house. This is a big labor-saver for him.

At eight weeks the turkeys are put on range, which usually consists of between 25 and 29 acres. Cobb has three of these ranges and rotates the turkeys on them every third year. In between, he plants the ranges in corn and oats.

Cobb says that the droppings from the turkeys have increased corn yields nearly 100 per cent. "When I got this farm, it yielded around 40 bushels of corn an acre. Now, I get as high as 75 bushels." Cobb is a member of Illinois Rural Electric Cooperative of Winchester.

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**PLUS—** many more Special Features:

**New All-Electric Meat Tender**—lets you "Set the Doneness" before you roast

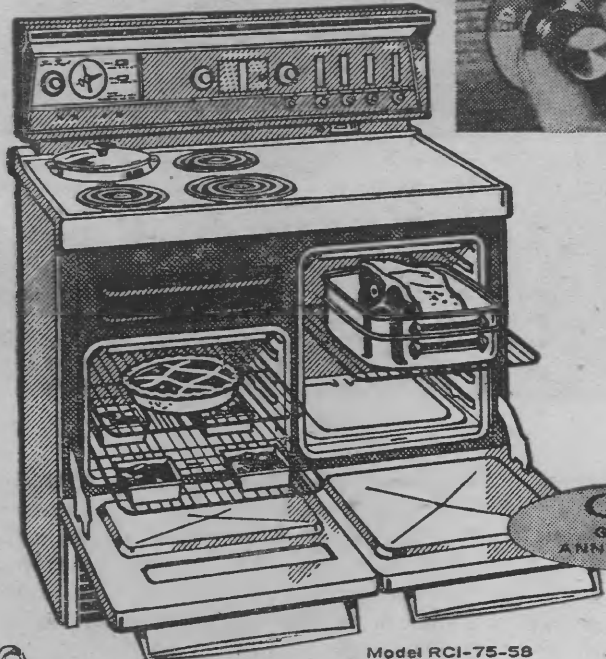
**Easiest-Ever Cook-Master Oven Control**—has how-to-set instructions on panel

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# Baying of the hounds—like music to their ears!

The baying of the hounds on a brisk winter's night is music to the ears of a fox hunter. From the sounds of the dogs, far off in the crisp night air, the hunter knows which dog is leading the pack after the fast, elusive fox, while, he, the hunter, sits around a roaring fire roasting wieners, sipping coffee, and spinning yarns with his fellow hunters.

"Oh, there's nothing that compares to a good fox hunt on a winter's night," assert Wyndal Smith of Chesterfield, and James Whitfield of Plainview, two farmer-enthusiasts of the sport. Both men raise foxhounds, the canine which apparently does all the work on fox hunts.

According to the two hunters, the object of the sport is for the dogs to chase the fox while the hunters sit and listen to which dog is in the lead. Guns are taboo, for every fox killed would be one less for the dogs to scare up and chase.

These hunts sometimes last all night with entire families grouped together around the campfire listening to the chase. The man who has the fastest dog is the envy of all.

Smith, whose father and grandfather before him raised purebred foxhounds, says the secret of fox hunting is in knowing a dog's bark. Dogs, like people, have different sounding "voices." Some dogs have short, turkey-like barks, while others have more of a bass tone.

Also, the hunter can tell by the rhythm of the barks, whether a scent has been picked up, and how close the dogs are on the heels of the fox. "For instance," Smith points out, "if the barks are

short and come close together, the dogs are right behind a fox."

Then too, from the sound of the dogs, the hunter can even tell whether the dogs are chasing a red or a gray fox, Smith explains. "If the sound seems to keep circling you, the dogs are probably after a gray fox. That breed of fox likes to run in circles. A red fox will run in one direction and the sounds of the dogs will get fainter and fainter."

The hounds used on these hunts are a special breed of dog. They are usually purebred Walker foxhounds, imported in this country in the 18th century. The breed was developed in England where the Britons have hunted foxes for centuries.

"Our type of hunting differs from the British in that we don't use horses," Smith says. "With all the fences around here, it would be impossible to ride a horse. So, we have to let the dogs do the running instead."

Smith says the dogs need very little training in the hunt. They are born with the instinct of chasing foxes. "They seem to have a competitive desire to be first in the pack, too."

Another characteristic of this breed of hunting dogs is their apparent ability to run at almost full-gait through thickets, bushes, and underbrush, without serious injury. "They seem to have built-in radar," Smith jokingly adds.

Man-made barriers, such as fences, which impede the progress of these muscular hounds. "Every once in a while, I have to go hunt for one of my dogs, and often find him caught on a barb-wire fence," Smith explains.

These dogs, as a general rule, are broken to the horn—that is, at the sound of a horn, they will

(Continued on Page Twelve)



Wyndal Smith is proud of his two foxhounds. He spends many enjoyable fall and winter evenings in the woods, listening to their barks as they chase a fox.



These two dogs belonging to James Whitfield are champions. They have won numerous trophies at field trials.

## Good-looking surface-mounted wiring

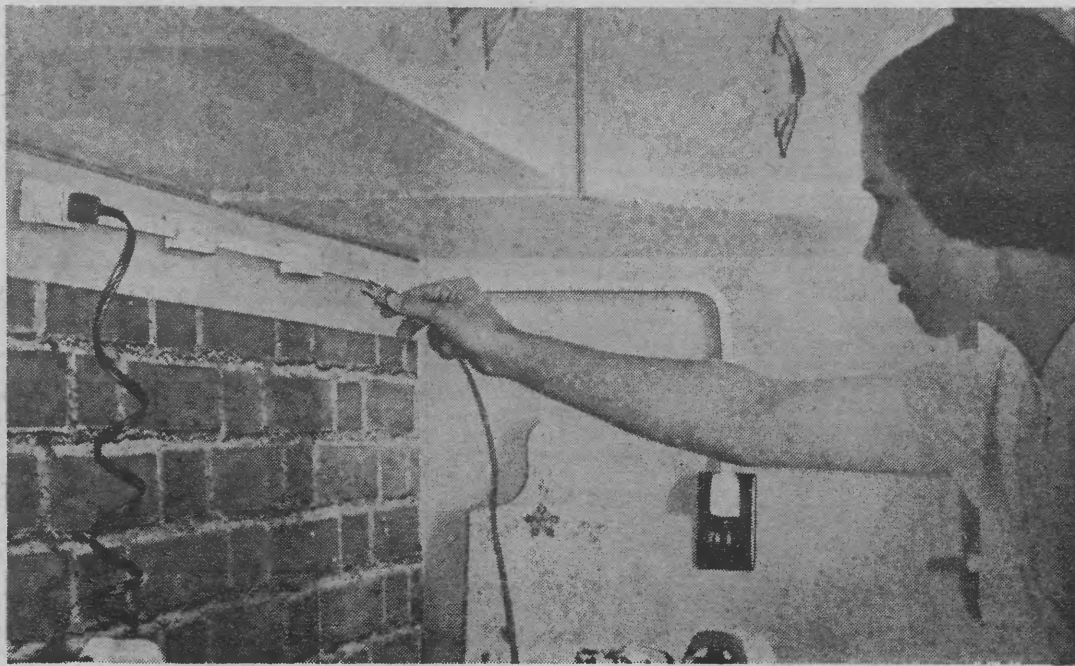
# Simple way to add more outlets

● With General Electric's new surface extension wiring you can get all the electric outlets you need in the easiest, most economical manner. It is a system for adding outlets with permanent, surface-mounted extensions to the home's built-in wiring. It is not, however, a solution for inadequate circuits.

Included in the new system are outlets, switches, lampholders, junction boxes, attachment plugs and flexible plastic extension cables.

The special attachment plug for non-metallic cable connects to an existing wall outlet and permits the cable to be extended in any direction along the surface of the wall. New outlets can be added anywhere desired. The cable can be cut to any length, and the devices are easy to attach.

All devices have pressure-lock terminals to speed wiring. To make connections, the cable is stripped and the wires pushed into the terminal openings. Spring-steel locks automatically grip the wires in a



firm, positive electrical connection. Wood screws provide the permanent mounting.

The cable is supplied with small, matching nails so that it may be tacked down directly to wall or baseboard. Prepunched nail holes spaced at four-inch intervals, assure firm fastening.

The cable, which comes in either brown or white, has a flat, rectangular cross-section, wipes clean easily, and can be painted. It bends smoothly and holds the bent shape to make neat, contour-hugging installations.

For unfinished basements, attics, garages, and other locations where appearance is less important,

the pressure-lock devices may be wired with regular No. 12-2 or 14-2 non-metallic cable instead of the new plastic cable. In this situation, surface-mounted branch circuits can be extended from an exposed box in the present open wiring, from the fuse panel, or tapped into the line with a pressure-lock junction box.

For the farm home, surface extension wiring has many possible uses. Your local electric supply store should have complete information on the wiring and should be able to supply you with an eight-page folder outlining application and giving illustrated instructions for its use and installation.



# Wet corn—no problem for this farmer

● Thirty-six per cent corn dried down to 12 per cent in 3½ hours! That's what Francis Fulton found his batch dryer could do, but he doesn't recommend it as a standard practice.

"I just had some corn I had to get out, and I couldn't wait for it to dry. By drying it fast I figured I saved from five to 10 bushels an acre." However, for the rest of his corn, Fulton waited until the moisture content was around 28 per cent.

Fulton purchased his 416-acre grain farm near Hidalgo in Jasper County last year. His first problem was to provide adequate grain storage. "I either had to build a corn crib and small grain storage bins or go into drying," Fulton decided to construct the drying setup, instead.

He installed five circular metal bins, each with a capacity of 3300 bushels, and another smaller bin, with a 2200 bushel capacity. Four of the larger bins are used to store shelled corn, while one of them holds wheat. The smaller bin holds oats.

Each bin has a central air-duct system, with laterals in case Fulton decides to recondition the grain with a small fan. The heated batch dryer has a capacity of 375 bushels. Fulton can dry 1,000 bushels of corn a day.

The dryer is mobile and can easily be moved to each bin. An auger takes the dried grain from the dryer up to the top of each bin for storing. Hard, back-breaking work is eliminated. Besides corn, Fulton plans to dry wheat and beans too with the dryer.

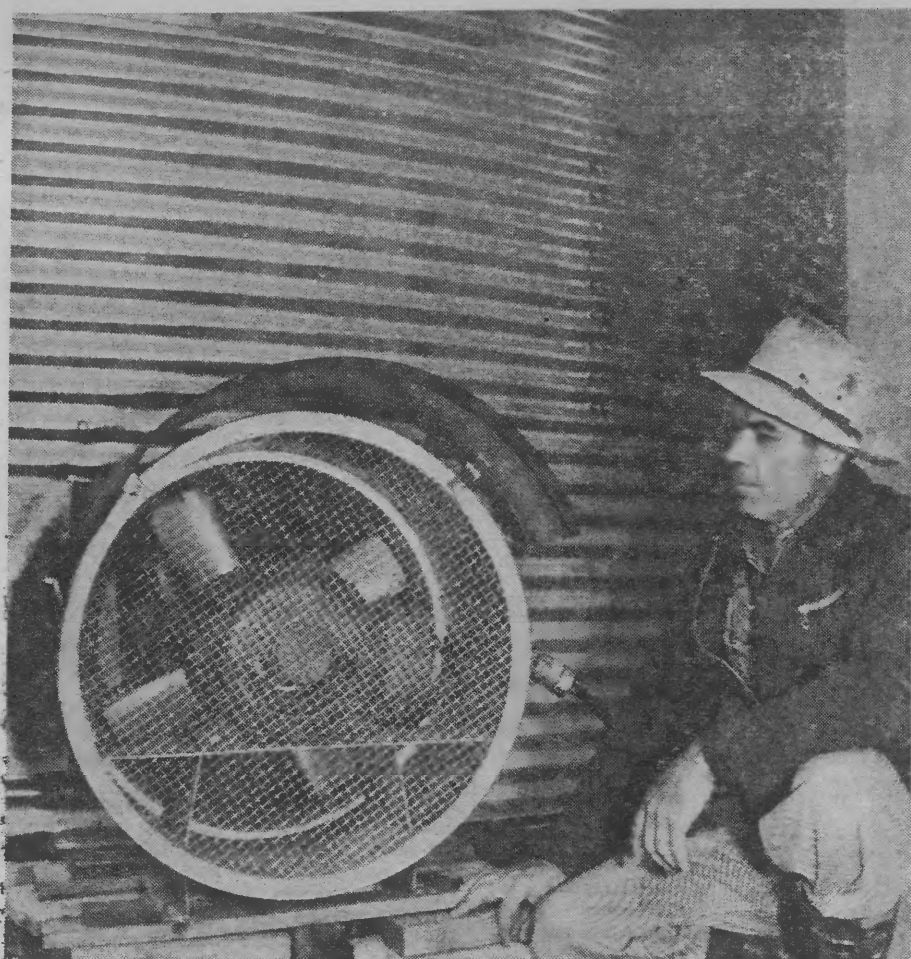
According to Fulton, "One advantage of this drying setup is that I only need one harvesting machine to handle all my grain." And, it's a one-man operation.

Fulton figures because of the wet-

ness of this year's harvest season, the drying setup will more than pay for itself. "I guess I would be picking corn next Spring, if I didn't have this dryer."

However, he believes a drying setup for grain is practical even in dry years. "You can get the corn out of the fields at least a month ahead of schedule. You'll get larger yields, and you'll be able to work the ground before winter sets in."

Also under Fulton's system of handling shelled corn in metal bins, he can seal it under government regulations. "I also double my storing capacity by leaving the cobs out in the fields where they do the most good," the farmer points out. Fulton is a member of Norris Electric Co-operative of Newton.



Francis Fulton figures he increased his corn yield from five to 10 bushels, thanks to a new batch dryer. He picked at between 25 and 30 per cent moisture, dried down to 12 per cent. The fan will be used throughout the year to recondition the corn when needed.

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**A Steam-N-Dry Iron.** Gives more steam over a wider path, \$16.95. Coppertone, \$18.95.

**B Grill-N-Waffler.** Cooks everything from snacks to steaks. \$32.95.

**C Portable Mixer.** More power at every speed . . . Confection Colors. \$19.95.

**D Fry Pan.** Spread-Even Heat cooks everything better...ends watching! \$22.95. Cover extra.

**E Roaster-Oven.** Cooks everything—plugs in anywhere, uses regular current. \$44.95.

**F Coffee Maker.** Fastest way yet to make full-flavor coffee! \$29.95.

**G Cook-N-Fryer.** Boils, stews, steams, fries, roasts, bakes . . . all automatically. \$29.95.

**H Toaster.** Confection Colors in sleek lifetime porcelain or chrome, \$21.95.



YOU CAN BE **SURE**... IF IT'S

**Westinghouse**

WATCH TV'S TOP DRAMATIC SHOW, **STUDIO ONE**

## Co-ops Save Farmers \$275 Million In A Single Year

Farmers earned 13 per cent on their investments in marketing and supply co-ops in 1954, Joseph Knapp, chief of USDA's Farmer Cooperative Service revealed last month. That year these co-ops earned \$275 million for their farmer members.

"Patronage refunds, distributed either as cash or capital credits, amounted to \$238 million," Knapp told an outlook conference. "With farmers' investments of \$1,800 million in these co-ops, the refunds represent an average 13 per cent return."

One-fourth of all farm products marketed in the U.S. move through co-op channels, he said. "The 7,098 co-ops that marketed farm products in 1955 had sales of \$7,400 million. Many of these also handled production supplies.

"Total business of the 9,660 co-ops engaged in either marketing or farm supply operations amounted to \$9,500 million. Farmers also got numerous services, such as trucking, storage, orchard care, and fertilizer spreading. From other co-ops, they also got insurance, credit, irrigation, electricity, and telephones."

"Farmer cooperatives," Knapp said, "act as pace setters and thus help maintain desirable competition. As a result, all farmers get higher returns for products they market, as well as savings on production supplies.



## News From Illinois Valley Electric Co-op

Princeton  
F. I. Ruble, Manager

Your Cooperative Office Address is 430 S. Main Street, Princeton. Telephone 3-1331.  
Office hours—8 a.m. to 5 p.m., Monday through Friday. Closed all day Saturday.

TO REPORT OUTAGES AFTER HOURS AND HOLIDAYS—

Princeton Area: Milford Jontz, Line Supt., Princeton 2-2072; Floyd Christiansen, Maintenance Foreman, Princeton 3-3291; Leonard Sifford, phone 3-3753; Leslie Noe, phone 3-2501; William Greenbach, phone 2-5134.

TO REPORT OUTAGES IN:

Galva Area: Stanley Ballard, phone Galva WE 2-3432, or Robert Lewis, phone Galva WE 2-3693

Ottawa Area: Jack Lewis, phone Ottawa 2987 R3, or Farrell Brooks, phone Ottawa 2423-L.

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

With every sincere good wish to members and friends of our Illinois Valley Electric Cooperative for a most happy holiday season, from your directors and employees.

### MANAGER RUBLE ILL



F. I. Ruble, manager of your Illinois Valley Electric Cooperative has been quite ill since October 18. On that date he entered St. Lukes Hospital, Chicago, for a check up. An operation was performed October 23, to relieve pressure on his chest. He was in the hospital from October 18 until November 16, at which time he returned home.

Because of the seriousness of the operation, Ruble will have to remain home for a period of time. He will appreciate hearing from you. His address is F. I. Ruble, 128 Park Ave, West Princeton.

The doctor has assured the writer that Ruble is progressing in a satisfactory manner, but it will be necessary for him to take it easy for the next few months.

The news of Manager Ruble's illness was not available to make the November issue of the co-op news, but his many friends heard about it and he received many beautiful cards, letters and flowers. He has asked that acknowledgements be made and that the sincere thanks of both himself and members of his family be extended to all of you folks who were so thoughtful.

We, here at the office are looking for the early return of our manager. His counsel and advice have been sorely missed.

### NEW HEADQUARTERS BUILDING

Work has progressed satisfactorily on the new headquarters building, west of Princeton on U.S. highway 6-34. Since our last report the roof has been installed, most of the wiring completed,

and the heating system installed, and the building enclosed so that heat could be turned on to provide comfortable working conditions for the workers. The contractor has moved his office headquarters into the heated area.

Work is now in progress to plaster the walls. With work moving along, it will not be too long after the first of the year before we can occupy the building.

Suitable arrangements will be made to dedicate the building after completion.

### USE HEAT LAMPS

More and more members are using heat lamps to supply heat to unheated corners, in and around the farm. These lamps put heat out when and where it is needed.

Many persons find that a heat lamp placed under the hood of their car or tractor does much to ease the starting in this cold weather.

There are two types of lamps, white and infrared ray. The infrared lamp does not break easily and will take a lot of rough use.

Heat lamps are ideal for raising early chicks and are also fine for supplying heat to brood pigs. The lamps are also good for lambs, and other young stock. The lamps are most effective when used with a porcelain reflector.

\* \* \*

We again congratulate the 4-H Club winners from our area who have been local, county, state and national winners. The leaders also deserve much credit, as do many parents, who have helped guide our rural youth to the successful completion of their projects.

Your cooperative was represented at the Westinghouse 4-H Club Congress electric awards dinner at the Conrad Hilton Hotel, Chicago, on December 3. Attending from this Co-op were: President and Mrs. Upton Craig, Mrs. Eileen Slingsby, Mrs. Edith Kays, and Mr. and Mrs. Fred E. Darr. The group remained over and attended the Power Suppliers Conference sponsored by Westinghouse on December 4.

### HOT LINE DEMONSTRATION

On December 10, your cooperative co-sponsored a hot line demonstration with the Vocational Agriculture Department of the Buda High School to which we invited adult classes and Vocational Agriculture classes from all high schools in the area.

The program was directed by Glenn Strong and Clarence Scott, who are employed as instructors of the job training and safety program by the State of Illinois Vocational Education Department and the Association of Illinois Electric Cooperatives.

## News From

# Clinton County Electric Co-op

Breese  
Joseph Heimann, Manager

### TELEPHONE NUMBERS

From 8 a.m. to 5 p.m., Monday through Friday, call Breese, Lambert 6-1631.

To report line outages or any other emergencies before or after office hours, call:

Ernest Becker, Breese, Lambert 6-1754.  
Robert W. Vander Pluyn, Breese, Lambert 6-1278.

Robert Hintz, Shattuc, 2423.  
Joseph Huelmsmann, New Baden, Justin 88-3262.  
Before reporting a line outage, check with your neighbor first. If he doesn't have service, report as a line outage.

Remember, December 31, is the last date to get in on the electric clothes dryer promotional campaign. If you have not yet purchased that electric clothes dryer you have always wanted, be sure to do so before the end of this month.



J. Heimann  
The full page ad in last month's paper for further details.

### HEAT IN MILK HOUSE

The easiest and most economical way of keeping your exposed water pipes in the milk house from freezing is by capping the mixing nozzle and turning both the hot and cold water faucet on about half way. This will let the hot water circulate through the cold water pipes and keep them from freezing.

Additional heat should also be provided to keep the milk house at about 45 to 50 degrees during the extreme cold weather. This can be done with a portable electric heater complete with thermostat.

Since most milk houses are not insulated, it's almost impossible to heat one to 70 degrees or more with any type of heat. We would suggest setting the portable electric heater at a higher temperature only when you are working in it to keep fairly comfortable. Trying to keep the temperature at 70 degrees or higher is very costly and usually results in a complaint of a high bill. Insulating the ceiling and putting some kind of storm windows on will help a lot to prevent heat loss.

### CONSUMPTION INCREASE

The average kilowatt-hour consumption per farm has been increasing every year since the very beginning of the co-op. This proves that most members are supporting their own organization by using electrical appliances. These members realize that without their support the co-op could no longer be a successful organization and could not afford to give the kind of service that is expected by all.

The co-op needs the support of every one of its members to be successful. Using the more costly and dangerous fuels doesn't help the co-op nor you as a user. You can be assured of peace of mind at least by going all-electric, and you will also be able to operate your appliances cheaper than with other types of fuel. Electricity is still your best and cheapest source of power today.

Live better and farm better—electrically.

## News From Menard Electric Co-op

Petersburg  
Howard O. Bell, Manager

To date, 160 members of Menard Electric Cooperative have sent in their application for their "All Electric Farm" signs and are now wondering why they have not received them.



H. O. Bell

The answer is that all of the signs were made up by the sign company and shipped to us, but 141 had to be returned to them because of an error on their part. They were very sorry to have been the cause of this delay and are making the necessary corrections. However, it has delayed the delivery of these signs.

### CLOTHES DRYER

In the October and November, 1957, issues of the Illinois Rural Electric News, there was a full page ad announcing a special offer to promote the sale and use of electric clothes dryers. A four-quart electric pressure pan or electric toaster is being offered free to members of Menard Electric Cooperative who purchase and install an electric clothes dryer between the dates of October 21, and December 31. Two of the require-

ments for receiving this free gift are that the wattage of the dryer be less than 6000, and that the installation be inspected by the cooperative wiring inspector.

The proper electrical installation for a clothes dryer is very important because of the high wattage involved. It will not work efficiently if wire size is too small. A part of the electric heat you are paying for will be wasted in the small wire and will never reach the inside of the dryer where it is wanted. So for your own protection insist on getting a good wiring installation.

If you are not certain that you can qualify for this free offer, we will be glad to answer any questions you have regarding it.

\* \* \*

The Board of Directors and the cooperative personnel thank all of the members of Menard Electric Cooperative for their splendid cooperation during the past year and we wish all of you a Merry Christmas and a Happy and Prosperous New Year.

## News From

# M. J. M. Electric Co-op

Carlinville  
A. C. Barnes, Manager

### TELEPHONE NUMBERS FOR OUTAGE CALLS

Office Hours—8:00 a.m. to 5:00 p.m. except Saturday, Sunday and holidays. Carlinville 136.  
Aeric Balestri, Hillsboro KE 2-3357.  
Claude McAfee, Brighton 40.  
Charles W. Witt, 803 Sumner St., Jerseyville 296-W.  
B. W. Bandy, 830 School St., Hillsboro KE 2-3247.  
Delmar Miller, Nichols St., Carlinville 669-Y.  
Howard Bloomfield, Carlinville 153-L.  
Lloyd Green, Jerseyville 839-W.  
James Hopper, Carlinville 321-X.  
Ralph Sides, Carlinville 687-X.  
Preston E. Barkley, Carlinville 482-Y.  
If lineman does not answer and for any other business aside from trouble, call A. C. Barnes, Carlinville 718.  
KEEP THIS LIST NEAR YOUR TELEPHONE. CHECK with your neighbors to see if their lights are out before calling. Then report the line outage.

### COOPERATION INSURES BETTER SERVICE

We want to publish a few comments about the annual meeting in November. We were sorry that all of you could not have been there for we had a fine meeting. The attendance was not as



A. C. Barnes

large as in past years, perhaps because of the fact that it was held on the far west side of the cooperative area and then also there was considerable sickness.

However, the attendance was about 1000 and from the comments we have received everyone seemed to enjoy the meeting.

We quoted: "We enjoyed the annual meeting. The band was snappy and good for laughs. The audience liked to participate. The speaker was good and left us to challenge our life in the future."

"Just a note to say I thought your annual meeting was nice and very thoughtful of you to include the families of your service. It was my first meeting."

"The entertainment was very good. We need the laughs as well as the more serious thoughts. The speaker was fine and made us all feel better for hearing him. We are already looking forward to next year's meeting."

"We enjoyed the day with you. The entertainment was very good. Why don't you come to Hillsboro next year?"

"Thank you for the fine annual meeting. We did enjoy every minute of the day."

"The speaker this year was tops."

"Just a few lines to tell you what a wonderful meeting you had this year. This is the second meeting we have been able to attend."

"Thanks for a nice meeting. We enjoyed your speaker very much—too bad more young folks as well as older ones could not have heard him. His message was very inspiring and really appreciated."

### WINTER PREPARATIONS

In talking with members, after the

cold snap of November 9 we noticed that some thought was being given to winter preparation of their electric appliances. When the temperature drops to 15 degrees, it is a good time to check over those devices that may be damaged by freezing.

The automatic stock waterer is probably the most popular item for supplying water to animals in winter and usually needs only a quick check to see that it is operating satisfactorily. Most of these items are set to operate above freezing, and when the temperature is below that point a quick look may save hours of worry later.

If the control of automatic waterers is on during the summer, it may stick. If the appliance does not operate when the temperature is below freezing, it would be a good idea to call a service man. However, we have seen cases when the set screw for the adjusting knob was loose and when this was tightened the service worked accurately. When everything checks, be certain that the ground rod is correct.

For pump houses and pump pits, a heat lamp with a thermostat works quite satisfactorily. Use a thermostat if possible in order to conserve electricity.

### AUTOMATIC FEEDING

Installation of automatic feeding equipment is hitting its stride again this year. Several jobs are being installed. One of the most extensive is being put in at the Arnold Bohlmeier farm, north of Bunker Hill. Bohlmeier has erected two 18 by 50 foot silos complete with paved yard, unloader, and screw augers. This unit will handle 250 head of cattle on a long range feeding plan.

Forty acres of soft corn was safely stored for an efficient feeding program when mixed with supplement.

Bohlmeier has erected a double roof on the two silos, so that the same unloader can be used for both silos. This layout was designed by Charles Hudson of Carlinville, who has planned numerous applications of this type.

### ELECTRIC HOUSE HEATING

Interest is again increasing in heating houses with electricity. When its advantages are compared with the disadvantages of using the "primitive" fuels, little is left for argument.

James Hopper, one of our journeyman linemen, has succumbed to the beauty of our rural county side and has remodeled a school house east of Carlinville into a modern country home. When Hopper computed the costs of chimney, ducts, etc., he decided that electric heating was for the Hopper family. Consequently, he is negotiating for a complete electric heating installation.

John Klimut, who installed a heat pump last year, was in the office recently and reports satisfactory results with his heat pump. His biggest problem is in explaining how he can take his heat out of the air in cold weather.



## News From Clay Electric Co-op

Flora  
Elmo A. Cates, Manager

Now that this year is drawing to a close, let us look back on some of its events. We started the year off changing to self-billing. There have been a number of you who have made mistakes at one time or another out as a whole, self-billing has worked very satisfactorily and most of the errors now can be corrected by card. We believe the coming year will be more successful than the past as far as self-billing is concerned.



Elmo Cates

We again sprayed most of the fence rows but because of the cold, wet spring, we doubt if the brush kill was as good as it had been in past years. However, we believe the kill was good enough to make it well worth the time and material we used.

We did not have a large amount of line building or rebuilding to do this year but we had to change quite a number of transformers and meter loops. Many of you needed to change a two-wire service to a three-wire service for your range or water heater. We were glad to make these needed changes. We hope to have a large number of such changes next year as this indicates that more and more of our members are "Living Better Electrically."

### MANY NEW MEMBERS

Our annual meeting was a success. More members attended this year and we had better participation by the young people in our contests than in previous years. We are especially proud of them. We checked through our membership lists recently and found a number of these former contestants who are now married and members of the co-op.

During the year, we serviced most of our oil circuit breakers. This is the equipment that keeps the service on when we have a temporary fault like lightning, or birds which short the line, or limbs that fall on the line and then fall off. If a limb stays on the line the breaker will lock out until we remove the limb.

Servicing these breakers means taking them down, bringing them in, testing, removing the insulating oil, cleaning (washing in oil), retesting and if found o.k., putting in new oil and rehangings. If something is wrong, we send them to Lowzer at Mt. Vernon.

We are still cutting trees along our line. We are thankful for the cooperation of our members in allowing us to cut so many trees. Each tree is a hazard and could at some time cause the line to be out. Even if the tree is only down under the line, it can make it almost impossible to repair a line that is burned down some dark stormy night.

If we haven't gotten to your trees yet, drop us a note and we will make plans to cut them.

The year has been another successful one for you in that you have become the owners of a large portion of your cooperative. Remember, part of that you pay for electricity is used to make payments and prepayments on the money borrowed to build the lines. Buying and paying for a cooperative is like buying and paying for a tractor. Each has some value left in them but as long as you need to use either of them, you have no way of getting cash for your interest in them.

\* \* \*

All the employees of Clay Electric Co-operative, Inc. wish all of you, the members, a very Merry Christmas and a Happy and Prosperous New Year.

## News From Southwestern Electric Co-op

Greenville  
Clarence Smith, Manager

You still have time to take advantage of the free gift with the purchase and installation of an electric clothes dryer. This free gift offer continues through December, which gives you the opportunity to take care of two names on your Christmas list at one time. You should consult your November issue of the Illinois Rural Electric News and the December issue of the Southwestern for details on this free gift offer.



Clarence Smith

Electric heating is becoming more popular every day as it is no longer an

TELEPHONE NUMBERS  
Bond County—Office, Greenville, Tel. 1025.  
Office Hours: 8:00 a.m. to 5:00 p.m. except Saturday, Sunday or Holidays. Before or after office hours call: Paul G. Morgan, Greenville 796; Jack Compton, 984.  
Fayette County—W. E. Jones, St. Elmo 326.  
Madison County—Ed Barnes, Edwardsville 1087.

experiment but a very practical method of heating. The cost of operation at the cooperative's low 1½ cent rate, is competitive with other fuels. Probably the greatest advantage is the cleanliness to which no other type of heat can compare. Another great advantage of electric heating is the constant even temperature which can be maintained.

There are two popular types of electric heat. The first is the heat pump which is actually a year-round air conditioner. It cools during the warm months and heats during the colder months. This has a high initial cost, but in most cases the operation cost is slightly lower than other types. The second type of electric heat is resistance heat used in electric panels or ceiling cable.

The resistance heating has a low initial cost, but probably a higher operating cost.

There are now three heat pumps and approximately 30 resistance heating installations in operation on the cooperative lines. Members interested in electric heating should contact Leland Sayers at the cooperative office in Greenville. He will be glad to assist you in working out your heating problems.

### LOW VOLTAGE

We frequently have complaints regarding poor service from low voltage. When the maintenance people investigate these complaints they invariably find that the member has added some major electrical appliance or equipment without reporting it to the office. As a result the transformer has been overloaded causing low voltage or a complete failure of the transformer.

Also, in many cases the member has added enough equipment to overload his meter loop which is another frequent cause for low voltage. When adding major equipment the member should contact the office to determine if the transformer is large enough. He should also consult with his wireman to determine if his meter loop is adequate. The above mentioned are both frequent causes of low voltage which means the member isn't getting the type of electric service to which he is entitled.

By the time you read this column, the Christmas season will be upon us. We wish to take this opportunity on behalf of the trustees and employees of Southwestern Electric Cooperative to wish you a very Merry Christmas and a Prosperous and Happy New Year.

## News From Wayne-White Electric Co-op

Fairfield  
Owen J. Chaney, Manager

In case of trouble before 8:00 a.m. and after 5 p.m. call the following—

For White, County call Norman Davis, Carmi, Phone 4-2295 or J. R. Lane, 2-757.

For Norris City area call Chalon Carter, Phone 123 or Everett Phillips, Phone 33-J, Norris City.

For Edward County call Welden Gallilher, Phone 151-M or Bill Bennett, Phone 217-WX, Albion.

For McLeansboro area call Alfred Venters, Phone 209 JX, McLeansboro.

For west part of Wayne County call Wm. Fleming, Phone 3131, Wayne City, or Dee Vaughan, Phone 2643.

For eastern Wayne County call Cloyd Musgrave, 6276; Charles Mann, 3774; George Harper, 3184; all of Fairfield, Carl Merritt, Phone 6798.

To all members and friends of the cooperative, a Merry Christmas and a Happy New Year.

Electricity has helped to brighten the homes of most of our members for several years and a few will enjoy this service for the first time.



O. J. Chaney

For most of us, Christmas, as it should be, is a happy time, but it could be sad. So, this word of warning. Use fuse protected light cords, don't use frayed cords and by all means turn off all Christmas tree lighting when leaving your home. Christmas trees are highly inflammable and one spark could burst into a fire. Again a

Merry Christmas and a Happy New Year.

\* \* \*

Many of our members will be glad to know that Miss June Forbes, who was selected as Miss Wayne White of 1957, at our last annual meeting has again been chosen as queen. This time she is "Miss Fairfield" and was selected from a group of 40 beautiful young ladies at the annual Miss Fairfield Fall Festival contest sponsored by the Fairfield Lyons Club. Congratulations June.

\* \* \*

Most businesses are operated on a customer satisfaction basis and this is particularly true of a rural electric cooperative.

The members of this co-op are the owners and we are in the business to serve with satisfaction at the lowest possible cost. To do this, we need the cooperation of every one concerned. This cooperative has a large membership, many of whom have never been in our office. We hear from them only at bill paying time.

Most of you read your meter and pay your bills with no comment and it could be assumed that you are satisfied. This, however, is not always the case and if you have a suggestion to make, or have an electrical problem that you need help on, do not hesitate to make the suggestion or call on your cooperative employees for the help you need.

## News From Norris Electric Co-op

Newton  
Damon Williams, Manager

### OUTAGE CALLS

Office hours: 8 a.m. to 5 p.m., Monday through Friday. Closed on Saturday. Telephone 404—Newton.

To report an outage after Office Hours call Mrs. Wilma Bever, Newton; Joe Ware, John Tabb, or Gene French, at Newton; Francis Smith at Claremont, or Cloyce Johnson at Lawrenceville.

Well, here it is December and the holiday season is upon us. Bright faces, cheery smiles, and the smell of Christmas is in the air. There is something else in the air that isn't as pleasant to think about as this gay time. That thought is one that every manager and lineman of every cooperative in Illinois loses sleep over. It is the thought of freezing rain. No other enemy or trouble can give as much downright disaster as this one item.



Damon Williams

### CO-OP HAS BEEN LUCKY

Norris Electric has been lucky. In our 20 years of operation we have had no ice storm that completely took out all of our lines. Other co-ops have not been so fortunate. The northern part of the state has suffered tremendous losses, and, oddly enough, the states directly south of us also have been hit hard by this freak of nature.

Last Fall we talked to three managers

in Kansas and Missouri whose complete systems were torn to bits and consumers were out of current for several months. So far we have been lucky and sincerely hope we will continue to be so. It can happen and so far there has been no design of line construction able to withstand the tremendous stresses placed upon it by tons of ice. It snaps poles, wires, crossarms, and trees like matchsticks.

### CO-OP MAINTAINS RESERVES

This, above all reasons, is why a cooperative should try to maintain adequate reserves to repair their lines in case of such a disaster. They should also continue to work together and be able and willing to help one another in such a crisis.

By all the reports of the cooperatives, which have been subjected to this calamity, the unselfish cooperation of neighboring cooperatives has been a predominant factor. People who maintain and work on cooperatives are highly skilled technicians and it takes years to develop personnel who can go out and handle high voltage lines.

It is indeed a comforting thought to realize that Norris Electric, as well as the rest of the cooperatives in Illinois, have as fine a group of people working as any in the United States, and we are quite sure if such a disaster does happen we, the cooperatives in Illinois, can take care of it as fast and efficiently as is humanly possible.

## News From Corn Belt Electric Co-op

Bloomington  
T. H. Hafer, Manager

A Merry Christmas and a Happy New Year from the co-op employees and directors to all of you members. It is our wish that your electric service continues to be good for the next year and that you have a pleasant time enjoying it.

\* \* \*

Your co-op is again sending you a 150-watt light bulb as a token of Christmas cheer. You probably have already received it. We know that most of you have places where you regularly use a 150-watt bulb. Many of you will also find that you will get much more satisfaction from this size bulb for reading and other close jobs where you have been trying to get along with a smaller one.

For instance, a 100-watt bulb will burn 10 hours and use one kilowatt-hour which costs you (in the last bracket) 1½ cents. You can see that the cost to you is very, very slight and the saving in eyesight makes it a bargain.

Let us know if you have any lighting problems which our power use adviser can assist you with.

### TRANSFORMER THEFT

Recently two spare transformers were stolen from one of our co-op substations. The thieves broke the padlock,

backed a truck into the station, loaded two of the spare transformers and tried to take the third but evidently two were all they could haul. These transformers were not in use because they had been replaced by larger ones and they had a junk value of probably \$125 apiece.

If any member has any clues, we would appreciate your letting us know. In the future if you ever see any truck aside from a co-op truck doing anything at a substation, please call us at once.



"Hoghead takes every opportunity to show off our new fire protection system."





# Home-makers' Page

Edited By Judy Parker

## Tasty Snacks for Holiday Guests

The gayest season of all the year is here—the Yuletide season! Friends will be popping in for a chat and a look at the Christmas tree, families will be gathering from far-away places. It's time of year when spur-of-the-moment parties are in order. Plan to keep your larder well stocked with goodies so you'll have some tasty snacks to offer your guests.

Your hospitality will be long remembered if you serve dainty confections such as Black Walnut Bars and Banbury Tarts.

Make a good supply of each of these confections, and you will be all set for entertaining during the holiday season.

### BLACK WALNUT BARS

This is a two-layer cookie and should be made in a 2" x 8" x 10" baking pan which has been greased and lined with wax paper. Make the first layer, then bake it according to the directions, allow it to cool and spread the second layer on top before proceeding to the final baking. This recipe yields 20 to 24 pieces depending on the depth of the pan

when cut in oblongs 2½ x 1½ inches long.

#### First Layer

- 1 cup butter or margarine
- 2 cups flour (about)
- 1 cup brown sugar (firmly packed)

Cream butter or margarine and sugar until all sugar is blended in. Add flour gradually until mixture forms a ball. Pat into baking pan and bake in a moderate oven (350° F.) for 10 minutes. Remove from oven and cool slightly.

#### Second Layer

- 4 eggs
- 2 cups brown sugar (firmly packed)
- 2 teaspoons vanilla
- ½ teaspoon salt
- 2 tablespoons flour
- ½ teaspoon baking powder
- 3 cans (3 cups) black walnuts, chopped

Beat eggs until fluffy and lemon-colored, add brown sugar gradually, beating constantly. Add vanilla. Sift salt, flour and baking powder. Fold into egg mixture. Fold in nuts. Spread mixture over first layer. Return to oven set at 375° F. for 25 to 30 minutes or until center is firm to touch.

### BANBURY TARTS

- Lard made pastry
- 1 cup raisins
- 1 cup sugar
- 2 tablespoons fine cracker crumbs or flour
- 1 egg
- 1 tablespoon melted butter or margarine
- ¼ teaspoon salt
- 2 tablespoons lemon juice
- 2 tablespoons grated lemon rind
- ¼ cup chopped walnuts



Black Walnut Bars

Roll pastry to ⅛ inch thickness. Cut into four inch squares. Combine remaining ingredients in order listed. Mix well. Put a little of the fruit mixture on each piece of dough. Moisten edges with cold water, fold

crust over in triangles and press edges together with fingers. Prick tops with tines of fork to allow for escape of steam. Brush tops with melted butter or margarine. Bake in 450° F. oven for 15 minutes.

## And, of course, Fudge, too!

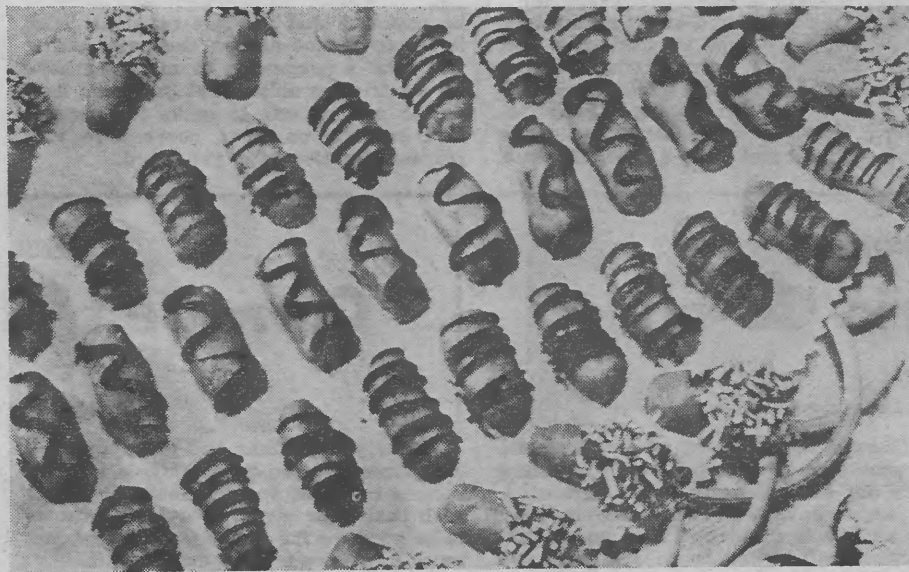


Ten-Minute Chocolate Nut Fudge

### TEN-MINUTE CHOCOLATE NUT FUDGE

- 1½ cups granulated sugar
- 2 tablespoons butter or margarine
- ½ teaspoon salt
- ½ cup undiluted evaporated milk
- 1½ packages semi-sweet chocolate pieces (1½ cups)
- ¾ pound marshmallows, quartered or 1½ cups miniature marshmallows
- ¼ cup chopped walnuts
- 1 teaspoon vanilla extract

Combine sugar, butter or margarine, salt and evaporated milk in saucepan. Bring to boil over medium heat. After bubbles form around edge, boil gently exactly five minutes, stirring constantly. Remove from heat. Add remaining ingredients. Beat vigorously until marshmallows melt. Turn into greased seven-inch square pan. Cool and cut into one-inch squares. Makes about 50 squares.



Coffee Fudge

### COFFEE FUDGE

- 1 cup water
- 2 teaspoons instant coffee
- ½ cup milk
- 1½ cups granulated sugar
- 1½ cups brown sugar
- ¼ teaspoon salt
- ¼ cup margarine or butter
- 1 teaspoon vanilla extract
- 3 squares (3 ounces) semi-sweet chocolate

Heat water in two-quart sauce pan. Add instant coffee and stir to dissolve. Add milk, sugars and salt. Mix well. Bring to boil and cook to 230° F. on candy thermometer. (At this stage, sirup begins to spin a thread.) Add margarine or butter. Continue cooking over moderate heat to 235° F., or until a scant teaspoon of sirup dropped into a cup of cold water forms a soft ball. Remove from heat and pour into a large bowl. Do not scrape sides of pan. Let cool without stirring to 110-115° F. Then stir until creamy.

Add vanilla extract and continue stirring until candy becomes thick and cheese-like. Rub palms of hands lightly with margarine or butter and knead candy in bowl until soft and creamy. Break off bits and roll in hand to form date-shaped pieces. Or roll into long roll and cut into 1-inch lengths. Put pieces on margarine or buttered baking sheet or shallow pan. Cover with waxed paper and let stand 10 to 15 minutes. Melt semi-sweet chocolate in small pitcher set into hot water. Stir smooth. Pour in thin stream over pieces of candy. If preferred, dip ends of pieces into chocolate and then into chopped coconut or nuts. Store in tightly closed container or pack in wax paper-lined boxes and store in freezer. This recipe makes about one and three-fourths pounds, or 65 pieces.



Orange Caramel Fudge

### ORANGE CARAMEL FUDGE

- 3 cups sugar
- ½ cup hot water
- 1 cup evaporated milk
- ¼ teaspoon salt
- 4 tablespoons butter or margarine
- 2 teaspoons grated orange rind
- 1 cup chopped nuts

Put one cup sugar in heavy sauce pan. Cook and stir over medium heat until sugar is melted and golden colored. Add water and stir until sugar is dissolved. Add remaining two cups sugar, milk and salt. Cook over low heat, stirring occasionally, to a temperature of 242° F., or until candy forms almost a hard ball in cold water. Remove from heat. (The candy will appear curdled, but will beat smooth.) Add butter or margarine, orange rind and nuts. Beat at once until thick and creamy. Turn into greased aluminum foil pan. Cool, mark into squares. Makes one and one-half pounds candy.



# New Patterns for Handiwork Fans

We would like to take this means of saying "Thank You" for your good response to our patterns all during this year. Also, we wish to extend our best wishes for a Merry Christmas to each and everyone of you and may the forthcoming new year bring success and happiness to you.

1. BANDEAUS—These bandeaus are very simple to make and you will probably want several in an assortment of colors. They also make thoughtful small gifts. The style on the left is knitted in a red and white striped design with underchin ties that end in gay pompons. The other style is crocheted of metallic cotton in a mesh pattern. The hairbands may also be tied at the back of the neck.

2. BATHROOM ENSEMBLE — Make your bathroom a shower of stars by crocheting the twinkle into this wonderful, washable three-piece ensemble. Each item is a lustrous blend of silver or gold threads and white cotton, according to your preference, worked into the double loop stitch and single crochets.

3. JACOB'S LADDER AFGHAN — The afghan shown here is designed especially for contemporary decor, and will be an interesting display piece. Simple afghan stitch squares are joined to make this bold and attractive pattern, and the finished afghan measures 45 by 63 inches. The matching pillow is 18 inches square.

4. CHAIR SET—Simplicity is the keynote to a chair set's good looks, particularly if it is modern in design. These three pieces are crocheted in stripes of fan designs and edged with a narrow border of solid crochet.

5. LINEN & LACE TABLECLOTH—Here is an unusual cloth that will make any table a thing of beauty. It is a graceful, dainty combination of linen and crocheted lace, and another beauty about it is that you can make it in whatever size you prefer.

6. PETAL DOILY—Elaborate as it looks, this doily is simple to make. Each section is a shell and each shell stands free from its base of chain crochet.

7. TATTED DOILY—There are many unusual and lovely patterns for tatted doilies. The one shown above is an outstanding example, and is easy to make. The doily measures seven and one-half inches in diameter.

8. PLAID SCARF—Plaids are back with us in all brilliance this year, and in the menswear field they turn up in scarves, socks, ties and vests. This fringed wool scarf is knitted in blue background with black and red cross bars.

9. BATHROOM RUG—Crochet a salt-and-pepper throw rug to dress up your bathroom. It's made of double-thick cotton that gives texture interest and firm body to the rug. Completed rug measures 24 inches by 36 inches.

10. KNITTED SOCKS—Every quality-conscious man—on or off the campus—will welcome socks in classic pattern, knitted especially for him.

11. HANDKERCHIEF EDGINGS—A beautiful handkerchief deserves the loveliest of edgings. Match your crocheted edging to the handkerchief design, combining white with one or two of the main colors of the design.

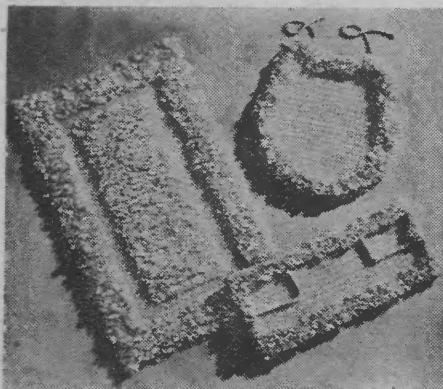
12. OVAL PINEAPPLE DOILY — The pineapple doily has long been a favorite in crochet circles. This oval doily when completed measures eight inches by 12 inches or 14 inches by 21 depending upon the size of thread used.



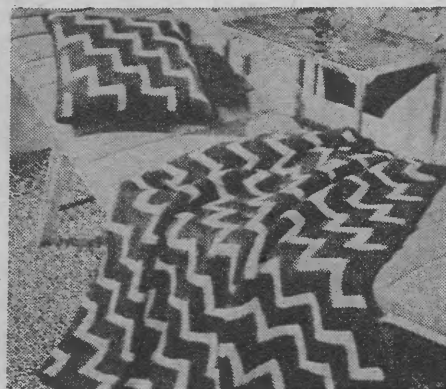
1. Bandeaux



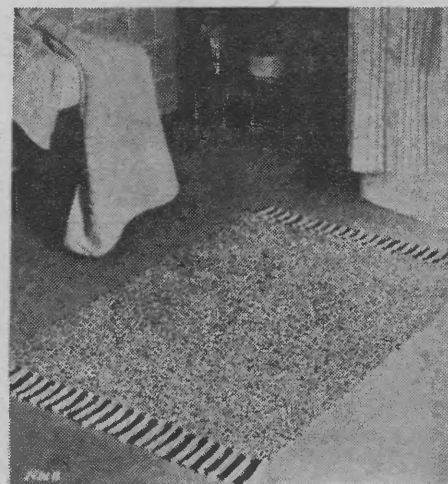
8. Plaid Scarf



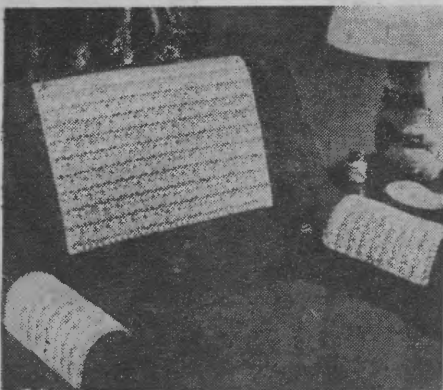
2. Bathroom Ensemble



3. Jacob's Ladder Afghan



9. Bathroom Rug



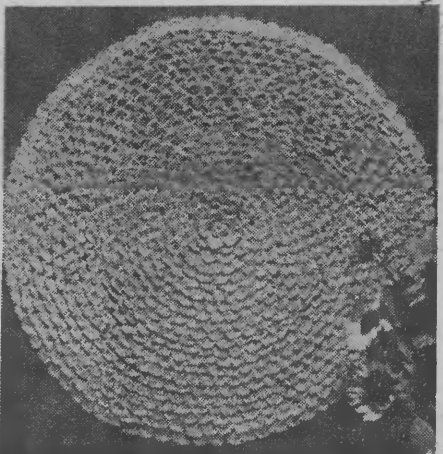
4. Chair Set



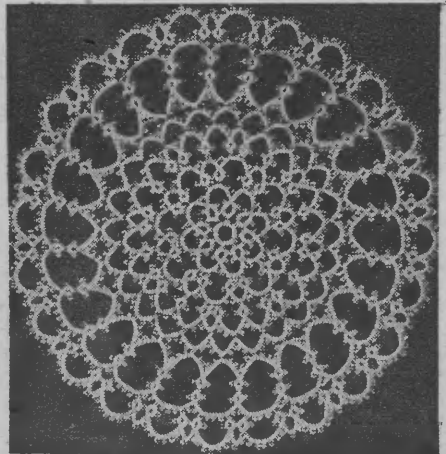
5. Linen & Lace Tablecloth



10. Knitted Socks



6. Petal Doily



7. Tatted Doily



11. Handkerchief Edgings

### Pattern Order Coupon

Judy Parker  
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. <input type="checkbox"/> Bandeaux	7. <input type="checkbox"/> Tatted Doily
2. <input type="checkbox"/> Bathroom Ensemble	8. <input type="checkbox"/> Plaid Scarf
3. <input type="checkbox"/> Jacob's Ladder Afghan	9. <input type="checkbox"/> Bathroom Rug
4. <input type="checkbox"/> Chair Set	10. <input type="checkbox"/> Knitted Socks
5. <input type="checkbox"/> Linen and Lace Tablecloth	11. <input type="checkbox"/> Handkerchief Edgings
6. <input type="checkbox"/> Petal Doily	12. <input type="checkbox"/> Oval Pineapple Doily

My name is.....

Address.....

Comment (if any).....

.....

This coupon EXPIRES Jan. 15, 1958. Orders must be postmarked by that date.



12. Oval Pineapple Doily



## Baying of the Hounds

(From Page Six)

stop the chase and return to their masters. Smith, though, sometimes lets his dogs run all night. "If I decide to go home, I do. They find their way home in the morning." That's the advantage of living on a farm, he points out.

Whitfield, like Smith, is a member of the Macoupin County Fox and Coonhound Association. However, in addition to running his hounds at night, Whitfield enters them in day-time field trials.

Whitfield has 12 dogs, and two of them have won numerous trophies in these field trials. "The dogs are judged on their speed and their looks," Whitfield explains.

The Macoupin County farmer says he has run dogs since he was a youngster. "At one time, we rode horses after them, but that was before the car and the barbed wire fence came along." Both Whitfield and Smith are members of the M.J.M. Electric Cooperative of Carlinville.

A University of Illinois veterinarian says that trembling of the neck muscles and paralysis of the leg and wing muscles are the most common signs of epidemic tremor.



**COOKING** the Christmas turkey today is a comparatively easy job, says Mrs. Nettie Barnett of Wayne City. She just puts it in her roaster and lets electricity do the rest automatically. She recalls though when her mother would have to start cooking the turkey a day ahead to have it ready.

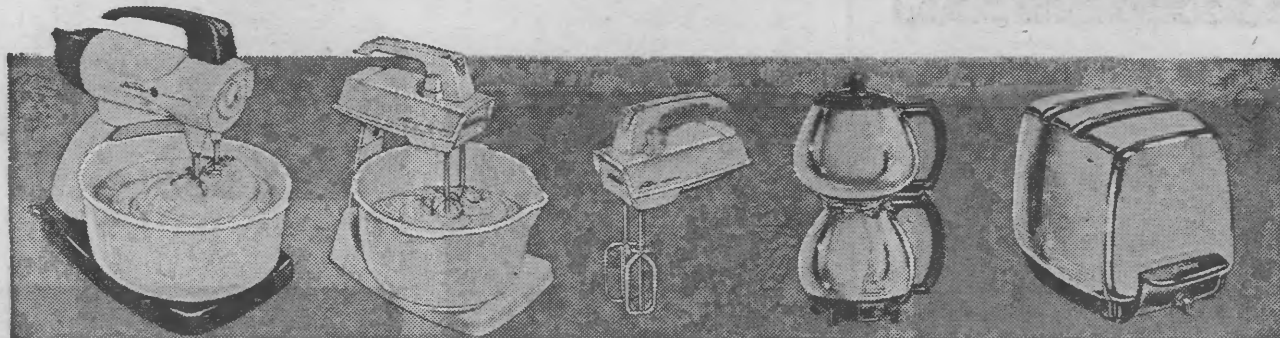
Of course, Mrs. Barnett's mother had to use an old wood burning range and temperature couldn't be controlled. The 69-year-old mother of three children says you can't beat electric cooking. She is a member of Wayne-White Electric Cooperative of Fairfield.



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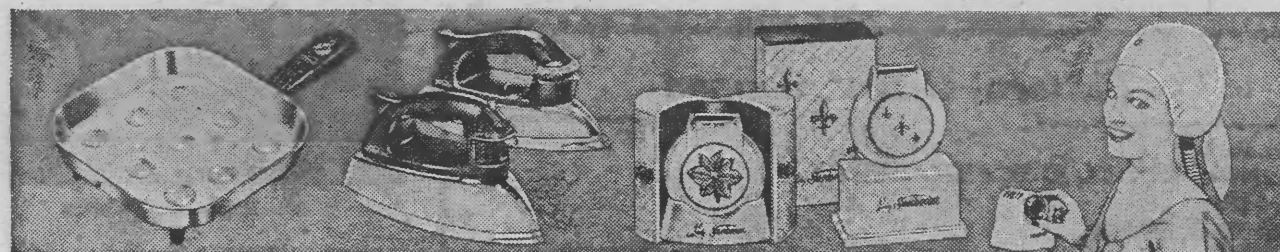
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**New Sunbeam MIXMASTER Hand Mixer**  
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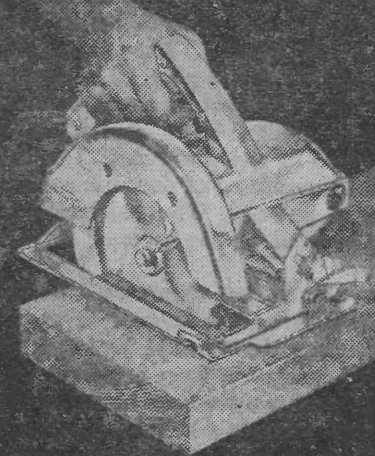
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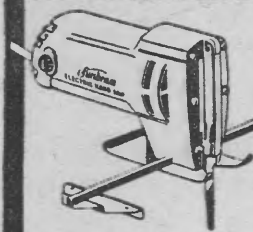


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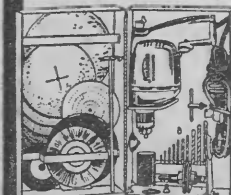
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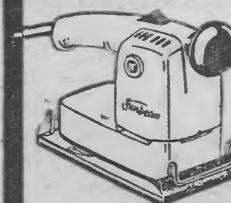
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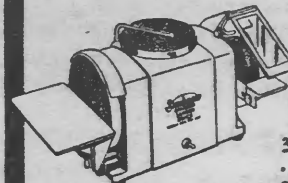
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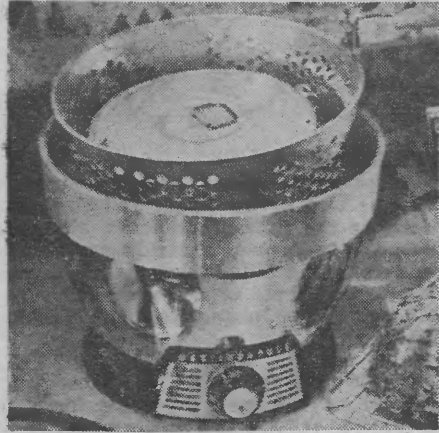
Famous for Sunbeam Mixmaster, Shavemaster, etc.  
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# Christmas Gift Ideas

When it comes to the Westinghouse Cook-N-Fryer, the unique flared shape saves on cooking compounds, provides a larger open area above the fat line, is easy to clean inside and out.

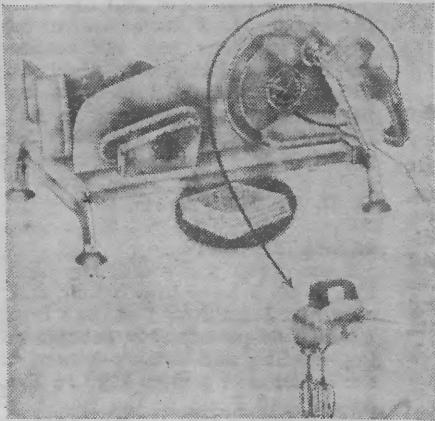
Designed for multi-duty cooking, the Cook-N-Fryer "doubles" as a casserole, bun warmer, chafing dish, steamer or blancher. Any preselected temperature from 150 to 425 degrees is automatically controlled. The Cook-N-Fryer sells for \$29.95.



So new that its retail price is not established is the Silv-a-King all-purpose home food slicer. Designed with suction cups, it will stand firmly on any flat surface.

An entirely new idea in slicers, it is actually a combination electric slicer and portable mixer. The raised legs allow room for a juice plate to be placed under the slicer.

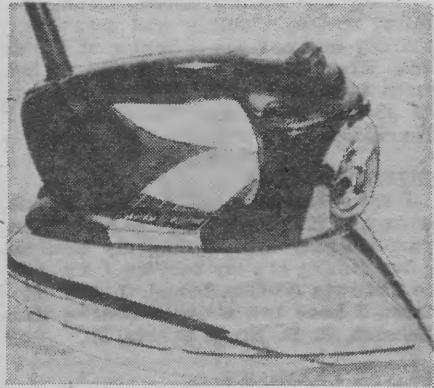
The manufacturer, the International Appliance Co., Brooklyn, N. Y., is placing the slicer in stores throughout Illinois.



Pre-damping of even heavily starched linens and cottons is unnecessary with the new General Electric spray steam and dry iron.

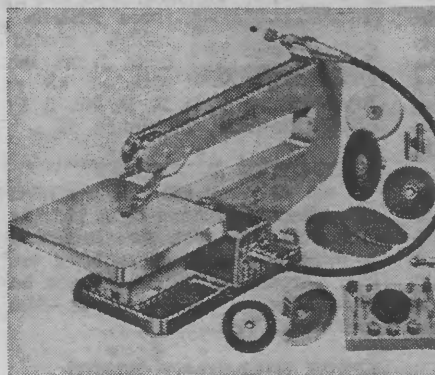
The new spray feature permits the homemaker to sprinkle clothes as she irons.

The new iron also operates as a regular steam and dry iron. A water "deionizing" unit for providing soft water is included with the iron at a retail price of \$19.95.



There was a time when electric power tools were considered stationary machines to be bolted to a workbench and then used only by the man of the house. The new Dremel multi-purpose tool—an all family workshop—has changed this concept. It's portable and safe, and does not have to be bolted down.

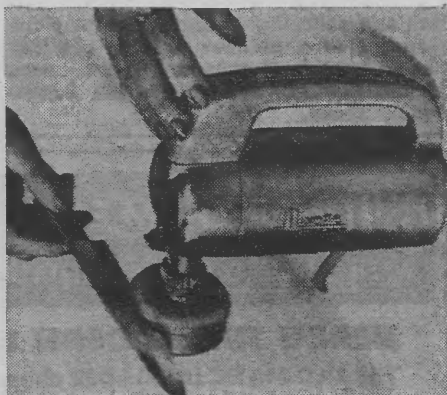
Called the Dremel Model 57 Moto-Shop. It sells for \$39.95. The deluxe model is \$49.95.



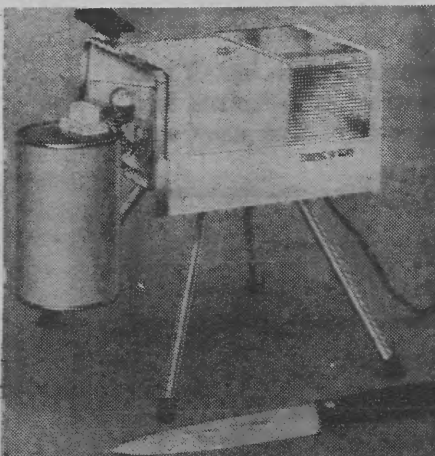
The Disney knife sharpener is something different for either the homemaker or for the handy man. It's a knife sharpener designed for attachment to common household appliances.

It is available in different models—one for portable mixers, another one for the standard food mixers, and still a third one for portable electric drill.

It is made by the United National Co., 565 W. Washington Blvd., Chicago 7. Price, \$3.95.



This portable, counter-top, electric can opener opens any size or shape can at the touch of a finger. It locks can in position and starts automatically. The lid is cut out and held by a magnet. The opener shuts off automatically and holds the can until you are ready to use it. The opener is also a knife sharpener too. The opener is trademarked Swing-A-Way, and it is made by the Swing-A-Way Company, 1428 Beck Avenue, St. Louis, Mo. It retails for \$27.95.



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		Morris	Woodstock



# JUNIOR RURAL ELECTRIC NEWS

## PEN PALS

Just a short note this month to wish you all a very Merry Christmas! As always, we hope you will remember all your Pen Pal friends. The boys and girls whose letters appear in this issue are waiting to hear from you so it's time to get your letters off. For publication, your letters should be addressed to Judy Parker, Junior Rural Electric News, Box 1180, Springfield, Ill.

### PLAYS FLUTE

I would like to have a Pen Pal. My birthday is September 15. I am 13 years old and I am a Freshman at Plano High. I play the flute in the high school band. My favorite sports are swimming and horse back riding. I also like all other sports. I would like to hear from boys and girls between the ages of 14 and 18.—Glynn Telling, 203 Glynn Road, Plano, Ill.

### JULY BIRTHDAY

I am 15 and my birthday is July 21. I have brown hair and brown eyes. My hobbies are driving a car and cooking. I have four brothers and one sister. I would like to hear from boys and girls between 14 and 17.—Karen Smith, R. R. No. 3, Lawrenceville, Ill.

### LIKES TO GO CAMPING

I am 15 years old and my birthday is May 23. I have brown hair and hazel eyes. I am five feet three and one-half inches tall. I go to Flora Township High School. I live on an 80 acre farm and have one brother and one sister. My hobbies are; writing to Pen Pals, listening to the radio, going to the show, reading books, going on dates, going dancing, swimming, camping out and going on hikes. Going on trips also. Like to watch all sports and games and also enjoy playing. Would like to hear from boys and girls 15 and over.—Gloria Kuyoth, R. R. No. 2, Flora, Ill.

### JULY BIRTHDAY

I am 13 and my birthday is July 6. I have blonde hair and blue eyes. I am five feet, three inches tall. I am in the eighth grade at Pleasant Hill School. I have two sisters and two brothers. I would like to hear from boys and girls between the ages of 13 and 16.—Joann Palmer, R. R. No. 4, Carbondale, Ill.

### LIKES TO COOK

I am 15 and my birthday is January 25. I have brunette hair and blue eyes. I am five feet, four inches tall and weigh 119 pounds. My hobbies are cooking, sewing, and listening to hillbilly music. I also like to swim, horse back riding, riding my bicycle and dancing. Would like to hear from boys and girls between 14 and 20.—Margaret Marie Devering, R. R. No. 1, Fieldon, Ill.

### HAS PET DOG



I am 10 and I have blonde hair and gray eyes. My birthday is May 3. My hobby is reading. I have a pet dog. I live on a farm. I have five sisters and one brother.—Ruthie Hubbert, R. R. No. 3, Box 102, Altamont, Ill.

### HAS PARAKEET

My age is 12. My birthday is February 7. I have brown hair and blue eyes. I live on a farm. I have one brother, who is 15. I have two yellow and gray kittens, one parakeet, and one dog. I like to roller skate, swim, ride horses, read and write letters. I would like to hear from boys and girls around my age. I will answer all letters I receive. I would like to exchange pictures with each.—Linda Lou Gardner, R. R. No. 3, Casey, Ill.

### LIKES TO DRAW

I am 17 years old. My birthday is August 14. I have long black hair and brown eyes. I am about five feet, three inches tall. My hobbies are drawing and listening to the radio. Would like to hear from boys and girls around my age. Would like to have a picture if possible.—Coleen Fry, R. R. No. 2, Marion, Ill.

### PLAYS FLUTE

I am 13 and my birthday is February 14. I have brown hair and hazel eyes. I am a Freshman at Virginia High School. I play a flute in our school band. My hobbies are listening to the radio and playing my flute at football and basketball games. I am also in 4-H club work. I would like to hear from boys and girls between the ages of 13 and 16 and would like to have pictures if possible.—Jane Fanning, Philadelphia, Ill.

### LIKES POPULAR MUSIC

I am 12 years old. I have brown hair, brown eyes. I am in the seventh grade. I do not have any pets, nor do I have brothers or sisters. I like to listen to popular and hillbilly music. I like all indoor and outdoor sports, but my favorites are roller skating, swimming and riding horses. I also collect movie star pictures. I will answer all letters. Would like to hear from girls and boys between 12 and 17.—Jean Barnak, Box 173, Livingston, Ill.

### PLAYS THE PIANO

I am 13 and my birthday is April 13. I am in the eighth grade. I have light brown hair and blue eyes. I am five feet, seven and one-half inches tall. My hobbies are playing the piano and sewing. I also like any outdoor sport. I have three brothers and one sister. I would like to hear from boys and girls of any age and I will try to answer all the letters.—Peggy Cordell, Box, 264, Elvaston, Ill.

### LIKES TO SWIM

I am 12 years old and my birthday is August 5. I have blonde hair and blue eyes. My hobbies are swimming, skating, dancing, and going to parties. I am five feet, two inches tall and weigh about 98 pounds. I have four sisters and four brothers. I would like to hear from boys and girls between the ages of 11 and 15.—Lilly Jones, R. R. No. 1, DeWitt, Ill.

### LIKES TO PLAY SCHOOL

I have light brown hair and blue eyes. I am eight years old. My birthday is July 1. I go to the Trinity Lutheran School. I live on a farm. I have two brothers, and one sister. My hobbies are playing school and riding my bike. I would like to hear from girls and boys of all ages.—Dorothy Engele, Nashville, Ill.



### JULY BIRTHDAY

I am nine years old and my birthday is July 7. I have light hair. My hobbies are playing all kinds of ball. For pets I have a dog.—Raymond Halbrook, Vernon, Ill.

### SINGS AND PLAYS PIANO

I am 15 and my birthday is July 22. I have brown hair and blue eyes. I take singing and piano lessons. I am a member of the Senior Girl Scouts. I go to Triad Community High School. Would like to hear from boys and girls between 15 and 17.—Liz Bernhardt, R. R. No. 1, Troy, Ill.

### WATCHES TV

I am 10 years old and my birthday is June 14. I have red hair and blue eyes. I am in the fifth grade at St. Michael's school. My hobbies are riding a bicycle and watching TV. I have a dog named Lassie and three cats. I want Pen Pals. All age girls.—Joanne Kaufman, Galena, Ill.

### WALKS ON STILTS

I am seven years old and my birthday is November 22. I live in town and go to a country school. I am in the third grade. I have two sisters. My pets are rabbits, dog and a cat. Would like to hear from girls and boys around my age.—Peggy Ferdinand, Goodwine, Ill.

### LIKES HORSES

I am 12 and my birthday is February 17. I have brown hair and green eyes. I am five feet, four inches. My hobbies are hillbilly music and horses. I would like to hear from boys and girls of all ages.—Lola Austin, R. R. No. 1, Windsor, Ill.

### MISSOURI PEN PAL

I am 16 and my birthday is February 19. I have dark brown hair and brown eyes. I am five feet, two inches tall. My hobbies are writing letters, taking pictures, trading pictures, and listening to hillbilly music. I am a Junior at Wentzville High School. I would like to hear from boys and girls between the ages of 15 and 19.—Betty Mae Jones, R. R. No. 2, Box 66M, O'Fallon, Missouri.

### LIKES TO FISH

I am seven years old and my birthday is August 22. I have light brown hair and greenish-gray eyes. Riding my bike and going fishing are my hobbies. I am going to Baldwin Public School. I live on a farm. I have two sisters.—Charles Knox Lehman, R. R. No. 3, Sparta, Ill.

### PLAYS CLARINET

I am 13 years old and my birthday is November 6. I have dark blonde hair and blue eyes. I am five feet, six and one-half inches tall. I live on a farm. My hobbies are watching TV, reading, writing, swimming, and playing the piano. I also play a clarinet. I would like letters from boys and girls of all ages with photos. I promise to write back.—Carolyn Chaney, R. R. No. 2, Easton, Ill.

### LIKES TO ROLLER SKATE

I am 11 years old. I have blonde hair and brown eyes. I have a sister. My hobbies are roller skating, baking, and drawing. Would like to hear from all between 10 and 12. I play a flute in the Ashkum Grade School Band.—Bonnie Tholen, Ashlum, Ill.

### TEXAS PEN PAL

I am 11 and my birthday is March 6. My hobbies are swimming, writing letters and collecting stamps. Also play the piano. I love outdoor sports. I would like to hear from girls and boys between 10 and 13.—Gail Maner, Box 780, Sweetwater, Texas.

### COLLECTS MINIATURE CHINA DOLLS

I am 14 years old and my birthday is November 27. I have blue eyes, brown hair. I am in the first year of high school in Stockland High. I am five feet, six inches tall. I would like to hear from boys and girls between the ages of 13 and 16. My hobbies are collecting miniature china dolls and animals.—Naoma Mae Wilkerson, R. R. No. 1, Milford, Ill.

### SHOWS ANGUS CATTLE

I am 12 years old and my birthday is November 13. I have light hair and brown eyes. I am five feet, two inches tall. My hobbies are showing Angus cattle in 4-H, singing, and playing basketball. I would like to hear from boys and girls between 11 and 14.—Wayne Pitts, R. R. No. 7, Olney, Ill.



### COLLECTS PAPER DOLLS

I am 12 years old and my birthday is November 11. I have brown hair and eyes. I am four feet, six inches tall. I am in the eighth grade. My hobbies are swimming, riding horseback, collecting paper dolls and belonging to 4-H clubs. I have belonged to girls 4-H for three years. Would like to hear from boys and girls from 11 to 14.—Clarene Brewer, R. R. No. 1, Plymouth, Ill.

### LIKES TO SEW

I am eight years old. My birthday is March 30. I have brown hair and brown eyes and I am four feet, two inches tall. I weigh 60 pounds. My hobbies are sewing, reading and writing letters. My pets are a cat and a dog. I go to Shumaker School and I am in the fourth grade.—Nelma Price, Cave-in-Rock, Ill.

### COLLECTS MOVIE STAR PICTURES

I am 11 and my birthday is December 13. I have light brown hair and blue eyes. I have four sisters and five brothers. My hobbies are collecting movie star pictures, sewing and reading. I have been in 4-H for two years. Would like to hear from girls between 10 and 13.—Janice Stanley, Box 94, Ingraham, Ill.

### COLLECTS RECORDS

I am 10 years old and my birthday is May 30. I have light blonde hair and blue eyes. I am four feet, seven inches tall. My hobbies are collecting records, riding my bike and collecting comics. I have a dog and six puppies, three kittens and a rabbit. I would like to hear from boys and girls of all ages.—Joyce Elaine Hall, R. R. No. 2, c/o Mrs. Alice Dowacter, Plymouth, Ill.



### DECEMBER BIRTHDAY

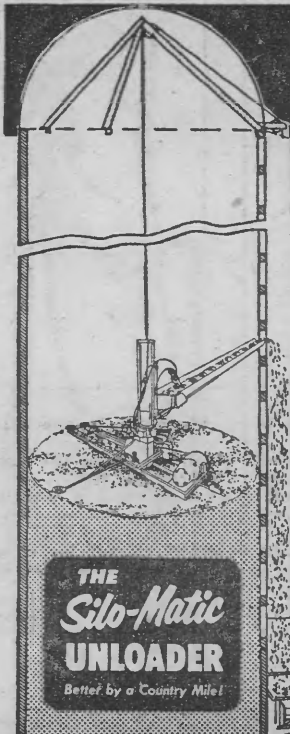
I am 10 years old and my birthday is December 26. I have light hair and blue eyes. I'm four feet, five inches tall. My hobbies are singing, cooking and sewing. I would like to hear from boys and girls between eight and 12.—Nancy Jo Halbrook, Vernon, Ill.

### LIKES HILLBILLY MUSIC

I am 13 years old. I have brown hair and blue eyes. I am five feet, three. My birthday is May 13. I have one sister and one brother. My hobbies are listening to hillbilly music and collecting movie star photos. Would like to hear from boys and girls of all ages.—Beverly Wallace, R. R. No. 1, Dahlgren, Ill.

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