



Two of the estimated 7,000 who attended the show are pictured above. Exhibits ranged from animal health care products to large tractors.

## Good weather boosts farm show attendance

The weather was fair, the ground was dry and the sun peeked occasionally from behind the thin cloud layer. In short, the weather cooperated with efforts to make the 23rd Annual Farm Materials Handling Show a success. The show, held March 2-4 at the Washington County Fairgrounds in Nashville, enjoyed better-than-average weather. So did those attending.

The turnout was fairly good, notes Willard P. Wiggers, general show chairman and director of member services for Monroe County Electric Co-Operative. Wiggers says the good attendance was, along with the weather, only part of the good news. "I heard several exhibitors say that the people at the show this year were really in a buying mood," he says, "and we estimate that about 7,000 people turned out to see the variety of items that filled the 120 indoor exhibit spaces. That's 15 percent more spaces than we had last year. There were also several outdoor spaces for heavy equipment.

"One noticeable difference this year," Wiggers says, "was that there weren't any solar displays, and there were fewer wood stove exhibits, too. They seemed to be replaced by TV

satellite dish antennas. There were two of them here this year, and they were a 'first' for this show."

Even as the numbers for this year's show are being tallied, plans are being made to make it bigger and better next year. The show's planning committee is working with the Washington

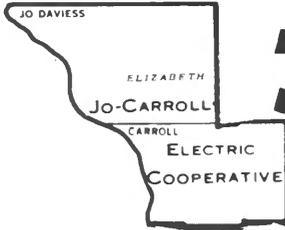


A farmer watches a product demonstration.

County Fair Board — from which the committee leases show space — seeking additional indoor space, especially with high overhead clearance to accommodate large exhibits.

The Washington County Vocational Workshop again served meals during the event, and sold some 375 full meals, plus many sandwiches and side orders. Those attending the event also drank 65 gallons of coffee and 13 gallons of milk. The Workshop also sold 600 doughnuts and 30 pies.

Sponsors of the show include the Illinois Farm Electrification Council, Cooperative Extension Service, University of Illinois, Southern Illinois University-Carbondale College of Agriculture and the electric suppliers in the region, Illinois Power Company and nine electric cooperatives: Clay Electric Cooperative Association, Clinton County Electric Cooperative, Egyptian Electric Cooperative Association, Monroe County Electric Co-Operative, Southeastern Illinois Electric Cooperative, Southern Illinois Electric Cooperative, Southwestern Electric Cooperative, Tri-County Electric Cooperative and Wayne-White Counties Electric Cooperative. The Nashville Chamber of Commerce assists with local arrangements.



# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.

Elizabeth, Illinois

815 858-3311

## Manager's Report

by  
Gary  
Stuva



This issue of the Jo-Carroll Hi-Lines marks what we plan to be a regular schedule of member communications for your cooperative.

In this month's edition, we will begin a series of photographs and brief personal sketches on employees of your electric cooperative. Two long-time employees are featured this month.

Also this month, I would like to draw your attention to the article on

home energy audits and the coupon which accompanies the story. This service, which is free of charge to members, involves the use of a computerized system which takes data collected at your home and provides you with weatherization options that will produce greatest return for your money. Fill out the coupon and return to us. We'll do the rest.

A regular feature of the Hi-Lines will be the power outage material. No electric system is without the threat of outage, but we strive to keep them to a minimum, and to respond as quickly as possible to restore service. Please look over the instructions, which are designed to save you time and trouble.

During your annual meeting, a new director was elected. He is Richard Reusch of Elizabeth, who replaces

Wayne Krohmer of Elizabeth on the board. Krohmer moved from the district he represented and did not seek reelection. Two other members of Jo-Carroll were reelected. They are Charles Flikkema of Lanark and Vernon Law of Savanna.

We are undergoing some changes relating to our computerization. As you know, we have been using computerized billing for several years. However, we have not had an "on-line" connection with the computer, which is located at the La Crosse, Wisconsin, headquarters of our electricity supplier, Dairyland Power Cooperative. Within the next several months we will go on-line, enabling us to transmit billing and consumption data electronically to Dairyland. In the past we have mailed batches of billing and consumption data to La Crosse. With the new technique, we will be able to store more records locally, enabling us to check accounts more quickly.

Your former manager, Charles (Chuck) Youtzy, was honored during the annual meeting. He received a certificate of commendation from the Illinois Electric Cooperative Managers Association for his 38 years of service. Two present employees of your cooperative were also honored. Harry Ehrler, power use adviser, and Victor Mason, groundman-truck driver, received service awards.

## Energy audits available for Jo-Carroll members

Trained personnel of the Jo-Carroll Electric Cooperative staff are available to provide member-consumers with free assistance on ways to improve their homes' energy efficiency.

One of the newest tools being used by Jo-Carroll is the Manucomp I energy audit system. This recently developed auditing system enables Jo-Carroll personnel to quickly and accurately determine the energy management options which will be most helpful for individual members. Following the free on-premises audit, we send the data to a St. Louis computer center. Members will later receive a report listing those options with highest potential for improving energy efficiency.

If you would like to have Jo-Carroll perform an energy audit on your home, just complete the coupon below and mail to Jo-Carroll Electric. We will set up an appointment at your convenience.

Mail to: Jo-Carroll Electric Cooperative  
P.O. Drawer D  
Elizabeth, Illinois 61028

Yes, I would like to have Jo-Carroll Electric Cooperative make a free computerized energy analysis of my home.

Name \_\_\_\_\_ Phone \_\_\_\_\_

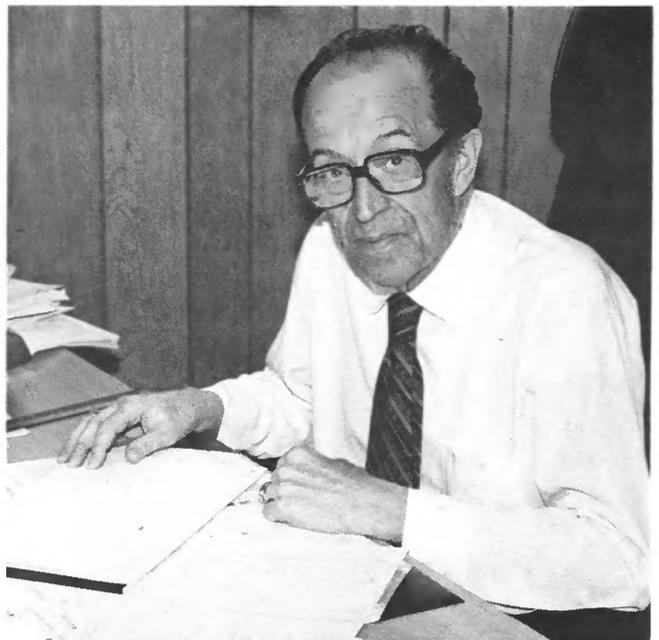
Address \_\_\_\_\_ Zip \_\_\_\_\_

## Vacationing ?

If you are going to be on vacation at the time when payment of your power bill is due, please make arrangements to have someone pay the bill, make an advance payment on an estimated bill or at least notify us that you are going to be gone.

Unless you notify our office, we have no way of knowing that you are on vacation and we can only assume that your bill is delinquent.

ILLINOIS RURAL ELECTRIC NEWS



*Judy Williams, Office Manager and Bookkeeper for Jo-Carroll, has been with your electric cooperative for 15 years, working her way up through a variety of positions. She and husband Kenny live on a farm and enjoy boating and snowmobiling. They have three children: Tracy, a math major at Clarke College, Dubuque, and a part-time waitress at Galena Territory; Trudy, a nursing student at Clarke College and a part-time maid at Galena Territory; and Todd, a freshman at Elizabeth High School. Charles D. McClave, Assistance Manager since 1963, has been with your cooperative for more than 34 years, after starting as a work order clerk. McClave lives in Hanover and spends much of his vacation time traveling.*

## Standby power essential on the farm

Electric energy is no longer a household luxury. Electricity has become an essential servant for farm and home — and it is no longer a minor inconvenience when the power goes off, especially if the outage lasts several hours or more.

For many, an outage means the discomfort of a furnace that does not run, or a refrigerator or freezer full of food that may spoil.

For others, a prolonged outage may mean that several hundred head of livestock in confinement buildings may die.

Whether electricity is a major convenience or an extreme necessity, you may be wise to look into the possibility of buying a standby generator for your farm or home. Electric cooperatives have built an admirable record for dependable service, but occasional, prolonged outages are unavoidable, usually due to severe weather such as tornadoes, lightning or ice storms.

Whether you buy a 35,000-watt generator or a 2,000-watt unit like many central Illinoisans did during the 1978 Easter ice storm outage, you should be absolutely sure your unit

is isolated from the cooperative's lines any time it is generating current.

You can start up a generator any time and plug a few appliances into the outlets that are often built into such units. But any time you wire it into your home's fuse box or connect it at the meter pole, you will need a double-throw switch. Such switches protect the linemen working to restore

### If your power goes off

1. Check your main fuses or circuit breakers.
2. Check your meter pole. If you have breakers, make sure they are in the "on" position.
3. If you still have no power, check with your neighbors to see if they have power.
4. Call your cooperative if the source of the power outage cannot be found. Please give the person who answers the phone the member's name as it is billed, and other information requested. Jo-Carroll Electric Cooperative's number is (815) 858-3311 day or night.

service, and they protect your generator, too.

When you are using current from cooperative lines, the transformer at your location is stepping the voltage down from 7,200 to the 120 and 240 that you use in your home. When you run your generator and it is hooked into the lines, the current flows the other way, and the 120-volt electricity you are making flows into the transformer and goes out the other side as 7,200-volt current, ready to give a lethal shock to a lineman who may have assumed that the line was dead.

And, the double-throw switch protects your generator, too. When the current from the normal source comes back on, it may ruin your generator unless it is isolated from the lines by a double-throw switch.

Determining the size of the generator you will need in the event of an outage may be a bit tricky, and may best be done with the help of your cooperative's power use advisor. Generally, though, the watt rating of the generator you purchase should be about equal to the total watts you might expect to need during an outage.

# Would You Like A Norman Rockwell Collector's Edition Plate For \$4?

As part of an advertising program commissioned by International Collection Finders, we will send a Norman Rockwell Collector's Edition Plate to any reader of this publication who responds to this notice by midnight May 15, for the sum of \$4 plus \$1 shipping and handling. There is no further financial obligation. These plates feature Norman Rockwell's famed family's four seasons scenes in glowing colors on a background of highest quality pure white porcelain. Each 6½" plate is highlighted with 22-karat gold trim. Please indicate choice of design from: Spring's Young Love, Summer Carnival, Fall School Days or Winter Morning when you make your request. Or, you may purchase the complete edition of all four for a special price of \$13 plus \$1 shipping and handling. You save \$6 over the individual price. There will be a strict limit of two sets (or 8 collector

edition plates) per address, at a cost of only \$25 postage paid. That's a savings of \$15 over the individual price. These collector's plates make a beautiful display and make valued gifts. This program is being conducted simultaneously in other publications. If you see it in more than one, please let us know as this information is important to us. Should you wish to return your Norman Rockwell plates, refunds will be promptly made. No requests will be accepted past midnight May 15. Any checks postmarked later will be returned uncashed. We will also accept credit card orders. Just give us the name of the card, account number and expiration date. Or, send appropriate sum together with your name and address to: **International Collection Finders, Dept. #NPL-4032, 390 Pike Road, Huntingdon Valley, Pennsylvania 19006.**

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## JUST ONE HAND!

A completely NEW concept in gardening machines! The amazing 2-in-1 TROY-BILT® Roto Tiller is not only a wonderfully better roto tiller, it's also a wonderful compost shredder-chopper! It turns your whole garden, however large or small, into a fabulously fertile "compost pile"! So easy to handle, even for ladies and older folks. You guide it with **JUST ONE HAND!** For complete details, prices, "OFF-SEASON" SAVINGS, send coupon below for free booklet. TROY-BILT® Roto Tiller-Power Composters, 102nd St. & 9th Ave., Troy, New York 12180 © 1982 Garden Way

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Please send the whole wonderful story of TROY-BILT® Roto Tillers including prices and "OFF-SEASON" SAVINGS now in effect for a limited time.

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Address \_\_\_\_\_

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## PATIO OR DWARF FRUIT TREE SALE

AN UNBELIEVABLE

**\$3<sup>50</sup>** OFFER



The Progressive Gardening Institute is a fully approved Non-Profit Organization whose goal is to educate, inform, and teach the public on how to raise their own food and preserve it for the future. This special offer, a \$7.49 catalog value, is made to introduce you to our fine organization.

### SPECIAL "FREE GIFT" WITH ALL ORDERS

12 Packets of Vegetable Seed	(1) Beets	(7) Lettuce
	(2) Broccoli	(8) Pumpkin
	(3) Cantaloupe	(9) Radish
	(4) Carrots	(10) Spinach
	(5) Cabbage	(11) Tomato
	(6) Cucumber	(12) Peas

All  
Dwarf Fruit  
Trees Shipped  
at  
3 to 4 Feet

### SORRY OFFER NOT GOOD IN CA-WA-AZ

#### CHOOSE FROM

APPLES	No.	PEACHES	No.
Red Delicious	___	Elberta	___
Yellow Del.	___	J. H. Hale	___
Stayman Win.	___	Belle of Ga.	___
APRICOTS	No.	PLUMS	No.
Moorpark	___	Damson	___
Early Golden	___	Burbank	___
PEARS	No.	CHERRIES	No.
Keiffer	___	North Star	___
Bartlett	___	Montmorency	___

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P.O. Box 500 Dept. 11-4  
Morrison, TN 37357

Please send us at the proper time the dwarf fruit trees, we have selected for only \$3.50 each plus \$2.00 shipping and handling per order.

\_\_\_ Total No. of Dwarf Trees.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

These trees have become extremely popular in recent years due to smaller residential properties. They require less space and are easier to maintain. Even though the trees are much smaller, they bear full-size fruit just as a standard tree, but not as much. One outstanding feature is they begin to bear fruit when only 2 or 3 years old. Mature height is 8 to 10 feet.

# End the Pain and Misery of Tired Aching Feet

Roger C. Lentz, seated right, has been reelected president of the board of directors of Southern Illinois Power Co-operative. Archie Hamilton, seated center, was reelected vice president, and Guy Casper, Jr., seated left, was reelected secretary-treasurer. Standing are, from left, SIPC General Manager James R. Chapman and Charles D. Winter, attorney.

our economic situation we are able to provide sound maintenance and capital improvements which will provide members with a reliable source of energy," he added.

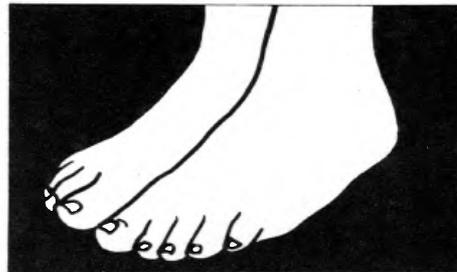
During the meeting, four representatives of each of the three member-cooperatives were elected to the board of directors. They are: Bill Cadle of Marion, Guy Casper, Jr. of Belknap, Harold I. Dycus of Carbondale, Archie Hamilton of Ava, James D. Holloway of Steeleville, Roger C. Lentz of Eldorado, Timothy W. Reeves of Dongola, Dale A. Smith of Cutler, Orrie V. Spivey of Elizabethtown, Milo F. Thurston of Pulaski, Robert Tiberend of Benton, and Robert Ury of Jonesboro.

Following the members' meeting, the board met in a reorganizational session and reelected Lentz as president and Hamilton as vice president. Casper was elected secretary-treasurer.

The three distribution cooperatives which make up SIPC are Egyptian Electric Cooperative Association, Steeleville; Southeastern Illinois Electric Cooperative, Inc., Eldorado; and Southern Illinois Electric Cooperative, Dongola. The three serve approximately 37,000 meters in a 19-county area.

May 1982

No matter how long you've suffered — be it three months, or 30 years. No matter what your problems are—corns, calluses, pain in the balls of your feet, burning nerve endings, painful ankles, old injuries, back-aches, or just plain sore aching feet.



When you slip a pair of **Feathersprings®** into your shoes your pain will vanish almost instantly. You'll be able to stand, walk, dance, even run in miraculous total comfort!

## What are Feathersprings?

Well, they're a revolutionary foot support unlike anything you've ever seen before. Each pair is custom hand-formed and made for your feet alone.

## How do Feathersprings work?

Unlike conventional, mass-produced devices, they actually imitate the youthful, elastic support Nature intends your feet to have.

## What do Feathersprings look like?

They're all but invisible. Men and women can even wear them with open-backed sandals. And because you can change them from one pair of shoes to another, one pair is all you'll ever need.

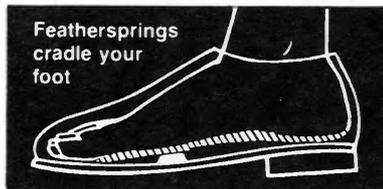


## How many people have Feathersprings actually helped?

As of today, over 2,250,000 people of all ages with all types of foot, leg and back problems, are enjoying blessed relief they never thought possible.

## How do I know Feathersprings will help me?

We are so certain that Featherspring Foot Supports will bring you relief



with every step you take, that if they don't work for you . . . we'll refund your money in full with no questions asked.

Don't needlessly suffer pain and discomfort for another day. If your feet are killing you, Feathersprings will bring you relief. Write us for more detailed information. There is no obligation. No salesman will call. Just fill out and mail this coupon. Remember, you have nothing to lose but your pain.

## What people have to say about Feathersprings . . .

"Received my wife's Feathersprings two days ago. They are super—neither of us can believe the results. She has had terrible feet for years; already no pain. Incidentally, her sore knee is better . . . As a retired physician, this result is amazing."



Dr. C.O.C.,  
Tucson, Arizona

"I was extremely skeptical when I placed my order, and was expecting to be disappointed. Much to my surprise, I found almost immediate relief from knee and leg pains and corns on my right foot which were a source of continuing pain and irritation have ceased to trouble me."



J.C.J. Meridian, Miss.

"At the present time I still wear the Feathersprings and indeed they perform well after seven years of use."

G.M.G., Dallas, Texas

\*Posed by professional models

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Seattle, Washington 98133

YES! I want to learn more about Flexible Featherspring Foot Supports. Please send me your free brochure. I will watch for the large PINK envelope. I understand that there is no obligation and that no salesman will call.

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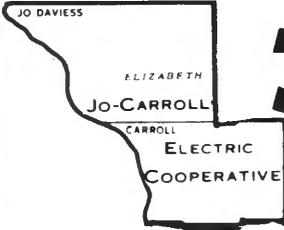
Address \_\_\_\_\_

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State \_\_\_\_\_

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When in Seattle visit the Featherspring Building.



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"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.

Elizabeth, Illinois

815 858-3311

## Manager's Report

by  
Gary  
Stuva



A 7.5-percent wholesale rate increase, effective May 1, 1982, was approved in March by Dairyland Power Cooperative's Board of Directors for the 29 rural electric cooperatives (REC's) in the four state Dairyland system service area, including Jo-Carroll Electric Cooperative.

This increase in wholesale power costs will be passed through in Jo-Carroll's production power cost adjustment.

Faced with a potential loss of \$1.5-million under the previously adopted 1982 budget, Dairyland's management had originally recommended a revenue increase of \$5.9-million, which would have necessitated a 9-percent boost in the cost of wholesale power.

But the board of directors, made up of consumer-members from each of the 29 REC's, cut the desired increase to \$4.9-million, establishing the 7.5-percent increase.

Dairyland's wholesale power costs make up 65 to 70 percent of the cost of service at the REC retail level. The 7.5-percent wholesale rate increase will have a different retail impact on each of the 29 REC's because each distribution cooperative sets its own rate level, based on its financial condition and local economics.

Frank Linder, Dairyland's general manager, termed the rate increase "relatively modest." The last wholesale rate increase was 14.2-percent effective March 1, 1981, 14 months prior to this May 1 increase.

The Board of Directors decided to reduce Dairyland management's original proposal for \$5.9-million in increased revenue because of better than expected operations in January and February of this year.

"The Dairyland Board and the member systems are gravely concerned about the current economic climate and the effect that increased rates could have on the recession-stricken farming communities served by the REC's," said Edward Holdorf, president of Dairyland's board.

"The Dairyland board attempted to hold this increase to a minimum which is the reason that management's original recommended rate hike was cut by a million dollars," Holdorf added.

The four major factors cited by Linder and Holdorf for increases are:

- The general effect of inflation on labor, maintenance materials, and operating supplies, which has increased operations and maintenance costs.

- The cost of fuel and purchased power to meet the energy requirements of the REC's and other non-system sales is predicted to be 1.7 cents per kilowatt-hour in 1982, compared to the average cost in 1981 of 1.54 cents, a 10.4-percent increase in a cost category that makes up about 48 percent of Dairyland's operating budget.

- The fixed costs of interest, depreciation and taxes, which will be \$42,700,000 in 1982, compared to actual 1981 expenses of \$38,763,000, an increase of 10.1 percent. The largest part of this increase is due to interest expenses which will increase to \$24.6-million from actual 1981 expenses of \$20.7-million. The

## Energy audits available for Jo-Carroll members

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Mail to: Jo-Carroll Electric Cooperative  
P.O. Drawer D  
Elizabeth, Illinois 61028

Yes, I would like to have Jo-Carroll Electric Cooperative make a free computerized energy analysis of my home.

Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ Zip \_\_\_\_\_



Visitors to the Jo-Carroll Electric Cooperative office see a lot of Judy Lisk (left) and Velda Gerlich. Judy is your cooperative's cashier. A resident of rural Elizabeth, she and husband Don have three children: Richard, Dianne and Don. She enjoys fishing, crafts of all sorts, landscape painting, and yard work. Judy has been with Jo-Carroll for 8½ years, and says she finds her work interesting as she works with people. Velda, who is billing clerk, has been with Jo-Carroll 13 years. Before that she worked for the Jo-Daviess County Cooperative Extension Service in Elizabeth. She and husband Abe live in Elizabeth. She lists interests as cooking, baking, reading, travel and bridge.

## Living habits determine costs

Few people check gasoline mileage with their neighbors'. Likewise, we never hear of people checking grocery bills or other general living costs with neighbors. Yet it seems to be a habit to check with your neighbors as to electric bills.

"Why is my light bill higher than my neighbor who lives across the road when he has the same appliances I do?" This question is often asked by consumers.

There is no way to check your bills with your neighbor. Many reasons can be given why one family may use more electricity than another family using the same appliances.

1. One refrigerator door may be

increased interest expenses are due to construction placed in service in 1981 and 1982 and rising interest rates.

• The fourth factor is the assumption by Dairyland's management that there will be zero energy growth during 1982 for the 29 RECs, the La Crosse-based generation and transmission cooperative's primary customers. The traditional growth in sales of five to seven percent, which has absorbed normal inflationary increases, is non-existent.

opened twice as often. Each time the door opens cold air rushes out and the unit must run more to replace it.

2. Some think 60- or 75-watt bulbs are sufficient while others use 100- or 150-watt bulbs in every socket.
3. One family might retire at 9 o'clock while another watches TV until after midnight.
4. No two families have the same amount of washing and no two women wash the same way.
5. One may iron one day a week while the other may iron a few pieces or press something every day. Each time the iron cools and is reheated, more electricity is used.
6. Some use the electric range to "take the chill off the kitchen." This is high-priced heat and can run your bill up, since a range is not designed for home heating.
7. One family may have inadequate wiring and the other a good wiring job. Voltage drop in poor wiring reduces the efficiency of appliances and wastes electricity.

Now let's be fair. These are only a few of the human elements that enter

## If your power goes off

1. Check your main fuses or circuit breakers.
2. Check your meter pole, If you have breakers, make sure they are in the "on" position.
3. If you still have no power, check with your neighbors to see if they have power.
4. Call your cooperative if the source of the power outage cannot be found. Please give the person who answers the phone the member's name as it is billed, and other information requested. Jo-Carroll Electric Cooperative's number is (815) 858-3311 day or night.

into comparing electric bills. Won't you agree that no two families live alike or have the same habits, so the amount of electricity used will vary with the family?

Your meter is just like your neighbors'. It is a highly efficient machine that records the kilowatt-hours used. One time in hundreds of tests a meter is operating inaccurately; but, in most instances, the meter is slow rather than fast.

# Old favorites with new flavors

## HAWAIIAN BEEF LOAVES

- |                                 |                               |
|---------------------------------|-------------------------------|
| 1 envelope brown gravy mix      | Dash of pepper                |
| 1/2 cup milk                    | 1 cup soft bread crumbs       |
| 1 teaspoon instant minced onion | (1/4 slices bread)            |
| 2 slightly beaten eggs          | 2 lbs. ground beef            |
| 1 tablespoon snipped parsley    | 1 16 oz. can sweet-sour sauce |
| 2 teaspoons soy sauce           | Hot cooked rice               |
| 1/2 teaspoon salt               |                               |

In large mixing bowl, blend gravy mix and milk. Add instant minced onion; let stand a few minutes. Add eggs, parsley, soy, salt, and pepper; stir in bread crumbs. Add ground beef; mix well. Shape into two loaves; place in shallow baking pan. Bake at 350 degrees for 50 minutes. Spoon off excess fat. Pour a little sweet-sour sauce over loaves. Return to oven for 15 minutes. Heat remaining sauce to pass; serve with rice. Makes 8 servings.

## SALMON PUFFS

- |                          |                      |
|--------------------------|----------------------|
| 1 can pink salmon        | 1 small onion, diced |
| 1 teaspoon baking powder | Salt to taste        |
| Bread crumbs             | Pepper to taste      |
| 1 egg, slightly beaten   |                      |

Flake salmon, reserve juice and add bread crumbs, beaten egg, onion, salt and pepper. Add baking powder to salmon juice, mix. Stir into above mixture. Spoon drops into hot deep fat. Fry until golden brown. These are very light and airy.

## MACARONI AND CHEESE

- |                          |   |
|--------------------------|---|
| 1 pkg. (8-oz.) macaroni  | 1 can (10 1/2-oz.) cream of mushroom soup |
| 1/4 cup chopped onion    | Salt and pepper                           |
| 1/4 cup chopped pimiento | 1/2 cup cracker crumbs                    |
| 1 lb. grated hoop cheese |   |
| 3/4 cup milk or cream    |   |

Cook macaroni according to package directions. Mix macaroni, onion, pimiento, grated cheese (reserve 1/4 cup cheese for topping), milk, and mushroom soup together. Season with salt and pepper. Pour into greased casserole. Sprinkle reserved cheese and cracker crumbs on top. Bake at 350 degrees 40 to 50 minutes. Serves 6.

## ORANGE FRUIT MOLD

- |  |                            |
|--|----------------------------|
| 1 pkg. (3 oz.) Jello, orange or orange-pineapple | 1 tablespoon lemon juice   |
| 1 cup boiling water                              | 1/2 cup orange sections    |
| 1 cup cold water                                 | 1 medium banana, sliced    |
|  | 4 dates, sliced lengthwise |

Dissolve gelatin in boiling water. Add cold water and lemon juice. Chill until slightly thickened. Fold in fruits. Pour into individual molds. Chill until firm. Unmold. For salad, serve on crisp greens with mayonnaise. For dessert, serve with a dessert topping. Serves 6.

## YEAST ROLLS

- |   |   |
|---|---|
| 2 cups warm water                       | 2 teaspoons salt                                |
| 3 pkgs. yeast                           | 1 egg beaten                                    |
| 2/3 cup powdered milk plus 1 tablespoon | 6 tablespoons butter not hot, just warm or cool |
| 4 1/2 tablespoons sugar                 |   |
| 5 1/2 cups flour                        |   |

Put warm water not too warm in mixing bowl. Add yeast, mix until dissolved. Mix milk, sugar, salt together and add to your liquid. Mix until dissolved. Add egg then butter, mixing all the time you are adding your egg and butter. Then add flour, mix best you can. If you can't mix well enough with a mixer, put on floured board and knead about 3 minutes. Put dough in buttered bowl, turn over and cover. Let it double in size. Now dump dough on buttered surface and turn over to smooth side of your dough which was the top side in the bowl. Pinch rolls . . . easy, don't do anything to dough, but pinch off rolls, butter the top of your rolls. Now let them double in size again. Bake at 375 degrees 20 minutes or until good and brown. Butter tops with melted butter.

## COFFEE CAKE

- |   |                        |
|---|------------------------|
| 1 cup pecans                            | 1 stick butter or oleo |
| 1 pkg. frozen rolls (24)                | 1/2 cup brown sugar    |
| 1 pkg. instant butterscotch pudding mix | 4 tablespoons cinnamon |

Grease bundt pan with Pam. Layer in bundt pan as listed. Let rise covered on counter top overnight. Bake at 350 degrees for 25 minutes. Serve warm.

## SPRING TEA

- |                                     |                                      |
|-------------------------------------|--------------------------------------|
| 6 regular tea bags                  | 1 small can frozen lemonade (thawed) |
| 4 cups water                        |                                      |
| 1 cup sugar                         |                                      |
| 1 small can frozen limeade (thawed) |                                      |

Boil water and pour over tea bags. Allow to cool. Remove tea bags and dissolve sugar in tea. Add lemonade, limeade and enough water to make one gallon.

## AUSTRIAN CHOCOLATE BALLS

- |                                 |                             |
|---------------------------------|-----------------------------|
| 1 1/2 oz. unsweetened chocolate | 1/2 teaspoon vanilla        |
| 1/3 cup margarine               | 1 1/3 cups flour            |
| 1 cup sugar                     | 1/2 cup finely chopped nuts |
| 1 egg plus 1 yolk               |                             |

Melt together chocolate and margarine over low heat. Add sugar, egg and vanilla. Mix well. Add remaining ingredients and shape dough into 3/4-inch balls. Bake on ungreased sheet 8 to 12 minutes at 350 degrees.

## GLAZE:

- |                             |                         |
|-----------------------------|-------------------------|
| 1 oz. unsweetened chocolate | 1 cup powdered sugar    |
| 1 tablespoon margarine      | 2 to 3 tablespoons milk |
| 1/2 teaspoon vanilla        |                         |

Melt ingredients together and make thin enough to dip top of cookies in.

## DUMP CAKE

- |                   |                            |
|-------------------|----------------------------|
| 2 cups flour      | 1 teaspoon soda            |
| 2 cups sugar      | 1 tablespoon cinnamon      |
| 2 eggs            | 1 teaspoon vanilla         |
| 1/2 cup butter    | 1 cup nuts                 |
| 1/2 teaspoon salt | 1 can comstock pie filling |

Just dump it all in a pan and stir. Put in oblong greased and floured pan. Bake at 350 degrees for 1 hour or until done. You can serve with whipped topping.

## ICING FOR DUMP CAKE

- |                             |                       |
|-----------------------------|-----------------------|
| 3/4 box of powdered sugar   | 1 cube oleo, softened |
| 3 oz. softened cream cheese | 1 teaspoon vanilla    |

Combine together. Spread on Dump Cake.

## FRENCH LEMON PIE

- |   |                                 |
|---|---------------------------------|
| 4 eggs                                    | 1/3 cup lemon juice             |
| 1 cup light corn syrup                    | 1/2 cup sugar                   |
| 1 teaspoon grated lemon peel              | 2 tablespoons all-purpose flour |
| 2 tablespoons butter or margarine, melted | 1 unbaked 4-inch pastry shell   |
|   | 1/2 cup whipping cream          |

In medium bowl, beat eggs well; add corn syrup, lemon peel, lemon juice, and melted butter. Combine sugar and flour; stir into egg mixture. Pour into unbaked pastry shell and bake at 350 degrees for 50 minutes. Chill. To serve, spoon whipping cream onto pie.

## WATERGATE CAKE

- |                              |                      |
|------------------------------|----------------------|
| 1 pkg. White Cake Mix        | 1 cup nuts (chopped) |
| 1 pkg. Pistachio pudding mix | 1 cup coconut        |
| 3/4 cup oil                  | 1 cup 7-Up           |
| 3 eggs (whole)               |                      |

Mix well and bake in greased pan at 350 degrees for 30-35 minutes. Let cool before icing.

## ICING

- |                              |                      |
|------------------------------|----------------------|
| 2 pkgs. Dreamwhip            | 1 1/2 cups cold milk |
| 1 pkg. Pistachio Pudding mix |                      |

Beat all together at high speed until thick enough to spread. Sprinkle cake with chopped nuts.

## STRAWBERRY SOUR CREAM PIE

- |                           |                                 |
|---------------------------|---------------------------------|
| 9-inch baked pie shell    | 1 1/2 teaspoons vanilla extract |
| 2/3 cup sugar             | 3/4 cup dairy sour cream        |
| 2/3 cup all purpose flour | 1 cup sliced fresh strawberries |
| 1/4 teaspoon salt         | 1/4 teaspoon cream of tartar    |
| 2 cups milk               | 1/2 cup sugar                   |
| 4 eggs, separated         |                                 |

Combine 2/3 cup sugar, flour and salt in a 2-quart saucepan. Gradually stir in milk until smooth. Cook over medium heat, stirring constantly, until thickened and mixture comes to a boil. Boil and stir 1 minute. Remove from heat and stir a small amount of hot mixture into egg yolks; return all to saucepan. Cook over low heat until thickened, about 2 minutes. Do not boil. Remove from heat and stir in vanilla. Gently fold in sour cream, a small amount at a time. Cover and cool to lukewarm. Meanwhile, line bottom of pie shell with strawberries. Spoon filling over strawberries. Pre-heat oven to 350 degrees. Beat egg whites and cream of tartar until frothy. Gradually add 1/2 cup sugar and continue beating until stiff peaks form. Spread meringue over filling, making sure that meringue covers filling completely and is sealed to crust. Bake until lightly browned, about 5 minutes. Remove from oven and chill 3 to 4 hours before serving.



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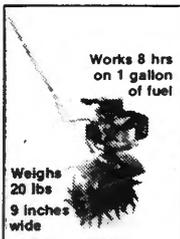
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# Protecting a valuable asset



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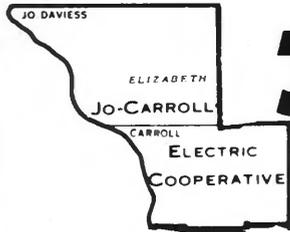
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# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.

Elizabeth, Illinois

815 858-3311

## Manager's Report

by  
Gary  
Stuva



As a member of a rural electric Cooperative, you receive much less in government assistance for electric service than your urban neighbors.

A study completed by the National Rural Electric Cooperative Association (NRECA) shows that investor-owned electric companies receive the highest benefits, \$42.48 per consumer, compared to \$9.46 for rural electric consumers and \$40.45 for publicly owned utilities.

Put another way, rural electric systems received approximately \$85 million in federal assistance in 1981, while municipal systems received approximately \$331 million and investor-owned electric companies received about \$4 billion.

NRECA is the Washington-based service organization for the nation's consumer-owned rural electric systems, serving more than 25 million people in 46 states. The study was carried out by NRECA chief economist Donald E. Smith.

Government assistance to electric utilities has been substantial throughout the industry's 100-year history, and has contributed immeasurably to the development of financial soundness of the heavily capital-intensive industry, Smith says, pointing out that the industry invests over \$37 billion

annually in plant and equipment. "Recognizing the serious financial problems confronting electric utilities in the United States, federal assistance to utilities is justified," Smith says.

However, he continues, the inequity in federal assistance contradicts the fact that costs and rates are higher for utility service in rural areas. Smith points out that the distribution investment per consumer averages \$1,337 for rural electric systems, \$648 for municipal utilities and \$825 for investor-owned, and that while rural electric cooperatives average only 4.6 consumers per mile, investor-owned utilities average 35.8.

While all electric utilities receive some federal assistance, it varies significantly with types and levels.

- Rural electric systems receive assistance in the form of financing through the Rural Electrification (REA), which allows them to borrow at lower interest rates than they could receive without government backing. The Office of Management and Budget attributed a 1981 "cost" of \$85 million to reflect those favorable interest rates, even though REA financing involves no budget appropriations or outlays.
- Publicly owned utility systems are eligible to issue tax exempt bonds at favorable interest rates, resulting in the lowest effective interest rates of the three types of electric utilities. The estimated cost in revenue "lost" to the U.S. Treasury in 1981 was \$331 million.
- Investor-owned utilities receive federal assistance through accelerated depreciation of plant and equipment, through tax credits for investment and through the collection of federal taxes that will never be paid. The cost to the government in terms of lost revenue amounts to approximately \$3

billion annually. In addition, provisions of the 1981 Economic Recovery Tax Act allow investor-owned utilities even faster depreciation, which virtually eliminates any remaining tax liabilities. This new depreciation allowance can increase federal assistance to investor-owned utilities by \$1 billion annually. Another feature of the 1981 Tax Act allows stockholders of private electric companies to reinvest up to \$750 in dividends tax free. This is expected to result in revenue loss to the Treasury of \$328 million this year.

"Expanded federal assistance to investor-owned utilities further increases the disparities in federal assistance between the rural electric systems and the electric companies," Smith states.

"These can be alleviated by strengthening the REA loan program, which would be consistent with the Administration's increased assistance to other electric utilities," Smith concludes.

## If your power goes off

1. Check your main fuses or circuit breakers.
2. Check your meter pole, If you have breakers, make sure they are in the "on" position.
3. If you still have no power, check with your neighbors to see if they have power.
4. Call your cooperative if the source of the power outage cannot be found. Please give the person who answers the phone the member's name as it is billed, and other information requested. Jo-Carroll Electric Cooperative's number is (815) 858-3311 day or night.

### Office closed

The office of Jo-Carroll Electric Cooperative, Inc., will be closed Monday, July 5, in observance of Independence Day.



*Dorothy A. Young, apprentice billing clerk, and Dennis Wurster, line foreman, are two Jo-Carroll employees many of you know well. Dorothy has been employed by your Cooperative for some four months. She and husband Tom live near Elizabeth on a farm they are buying. Before coming to work for Jo-Carroll she worked for Galena Territory. Most of her spare time, she says, is spent on farm chores, baking and sewing. Dennis, who has more than 18 years with Jo-Carroll, and wife Marilyn have two sons, Tom and Tim. They live on a farm a few miles from Elizabeth, and Dennis says his hobbies are farming and fishing.*

# A farmer is...



A farmer is a man who wears out two pairs of overalls growing enough cotton for one.

A farmer can shape an ax handle from a perismon sprout and shoe a horse with a hunk of car tire.

A farmer starts every year with nothing, loses he grows and at the end of the year comes out even. Nobody knows how he does it. He doesn't even know himself.

What are farmers made of?

Farmers are made of bent nails, rusty horseshoes, barbed wire and are held together with calluses.

During planting time and harvest season, he finishes his 40-hour week by Tuesday noon; then painin' from a tractor-back, he puts in another 72.

He can make a harness out of haywire, feedsacks and shoe scraps. He grows corn and melons mostly to make crows fat.

He loads his planter with \$1,500 worth of seed, fertilizer, herbicide and insecticide. That's one hour's work. In a normal farm afternoon, 1 p.m. to 10 p.m., he'll bury

\$13,500 in the ground.

Odds are it'll get too wet or too dry, or there'll be hail, wind, early frost, early snow, bugs, brickbats and bureaucrats. And, if he gets a good crop, he won't meet expenses.

Yet the only lines on a farmer's face are from grinning.

You look at the unattended chores, unpainted buildings, unsharpened tools and untidy barnlot and you say, "The smartest man in the world would starve trying to do all that." And you're right. The smartest man would starve.

But not the farmer.

His wife won't let him. She has a basic menu; she serves what she has. In good years that may be six vegetables at one meal. In lean years she jumps from poke salad to black-eyed peas.

The farmer orders a 16-inch John Deere disc that costs \$4,300; by the time it's delivered it's \$6,500.

He's got a \$40,000 machine needing repair. It's 5:30 p.m. and the company-owned stores are closed. And he's got five hours of daylight he can't let go to waste. So he borrows a machine from a neighbor, and is moving it down the highway when he's run into a ditch by some joker pulling a boat.

Yet he remains the world's most stubborn optimist.

He believes that the fact he's come this far prives he can go the rest of the way. He buries last year's disappointments with springtime plowing because his faith is not in himself alone. He'll finish a hard week's work with a five-mile drive to church.

He plants in hope, cultivates in faith and ends in debt; then, starts over with greater hope and stronger faith.

Heaven help the family that depends on a farmer for support.

Heaven help the nation that doesn't have him to support it!

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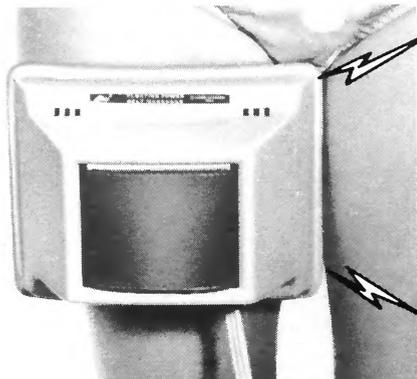
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From far left: Ken uses a vintage Allis-Chalmers tractor to cultivate. A picker in the field. A handful of fine berries.

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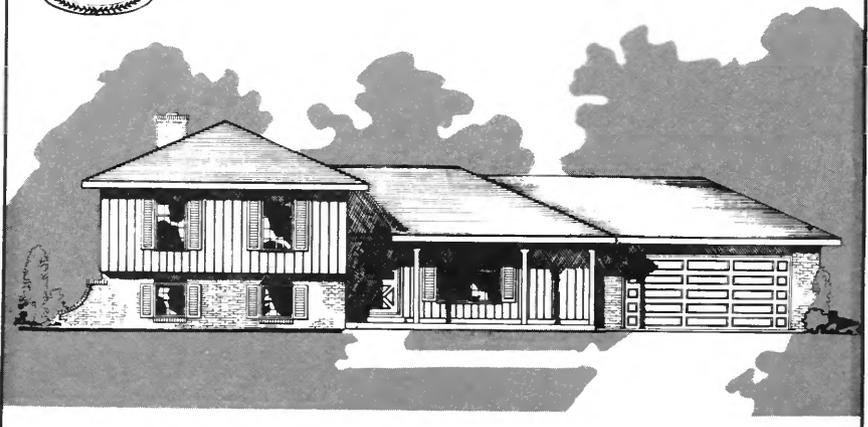
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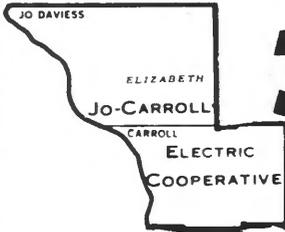
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# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.

Elizabeth, Illinois

815 858-3311

## Manager's Report

by  
Gary  
Stuva



What do I mean when I say the high cost of public policy is reflected in your electric bill? If you stop to think for just a minute or so, you'll recognize that Jo-Carroll Electric Cooperative is really no different from many other businesses. We have to either pass on to our consumers all of the costs we incur in providing electric service or we simply must go out of business.

What kind of public policy costs are there for which we are simply the messenger? Let me name a few for you. How about the cost of clean air, clean water, and the restoration of land following strip mining?

Did you know that as much as one-third of the cost of electricity out of a new generating plant is necessary just to meet environmental concerns? Public policy today dictates that we do everything possible to keep the air and water clean and to restore the land. Would we want it any different? Probably not, but who finally tells you how much this costs? Those of us at Jo-Carroll Electric Cooperative are the messengers when we reflect that high cost in your electric bill.

Take high interest costs, as another example. Did Jo-Carroll Electric Cooperative invent high interest rates? Are those of us who work here responsible?

Long-term loans that finance new generation plants have cost up to 18.9 percent annual interest. We certainly didn't want to pay that high interest rate any more than you do, but, who gives you the message of that high

cost? We do, through your electric bill.

Another factor you should consider is the recent public policy which calls for deregulation of energy prices. That policy, enacted by Congress, says in effect that deregulation will permit energy to rise in cost and find its true market value. The theory is that higher costs will cause people to conserve. Can there be any doubt that this policy was successful in bringing about conservation?

The result is that natural gas is up 238 percent in price since 1973, the price of gasoline at the pump is unbelievable. Coal, used to generate electricity, is up about 377 percent nationwide. Did Jo-Carroll Electric Cooperative make that decision to deregulate energy prices? No, we simply act as a messenger in sending you an electric bill which reflects the cost of deregulation.

How about the taxes we pay?

Local governments love the tax dollars from electric facilities. Here at home, Jo-Carroll Electric Cooperative's public utility investment capital tax and property tax total \$20,862. Who actually pays? The answer is obvious — you do!

Even the call for conservation has its effect. As a matter of fact, the short-term reward for energy conservation by you, our members, is higher electric bills. As your use goes down, there are fewer sales over which we can spread our increasing costs. The result is simply a higher price per kWh.

Perhaps by now I've made the point that costs associated with recent changes in public policy are huge. These costs account for a large part of your electric bill. We didn't design and indeed we don't even agree with some of these public policies. Nevertheless, we are the messengers who bring the unwanted news to you.

## Energy audits available

Trained personnel of the Jo-Carroll Electric Cooperative staff are available to provide member-consumers with free assistance on ways to improve their homes' energy efficiency.

One of the newest tools being used by Jo-Carroll is the Manucomp I energy audit system. This recently developed auditing system enables Jo-Carroll personnel to quickly and accurately determine the energy management options which will be most helpful for individual members. Following the free on-premises audit, we send the data to Dairyland Power Cooperative for computer processing. Members will later receive a report listing those options with highest potential for improving energy efficiency.

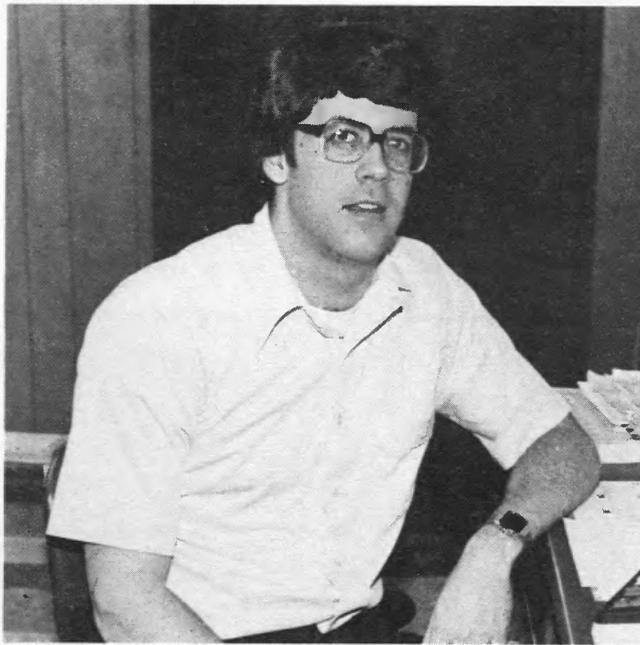
If you would like to have Jo-Carroll perform an energy audit on your home, just complete the coupon below and mail to Jo-Carroll Electric. We will set up an appointment at your convenience.

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Elizabeth, Illinois 61028

Yes, I would like to have Jo-Carroll Electric Cooperative make a free computerized energy analysis of my home.

Name \_\_\_\_\_ Phone \_\_\_\_\_

Address \_\_\_\_\_ Zip \_\_\_\_\_



*David E. McCormick, left, your Cooperative's work order clerk, is familiar to area high school basketball fans. In addition to his golfing hobby, David is a high school basketball official. An employee of Jo-Carroll for more than seven years, David is a graduate of Loras College in Dubuque, Iowa, and lives in Hanover. Gary Stuva, your manager, came to Jo-Carroll about a year ago, following several years as Manager of Municipal Utilities in Greenfield, Iowa. Gary and wife Sandra live in Elizabeth, and have four children: David, Cherie, Roger and Ronald. Gary enjoys hunting and fishing.*

## Wiring needs inspection and maintenance

Electricity has become such a part of our lives that too many people take it for granted. They think the facilities that bring electricity to them are permanent and they don't give them another thought.

This can be costly and/or dangerous.

Wiring requires maintenance and regular checking of physical conditions and electrical loads so that you

can make necessary changes.

Wiring wears out just like other materials.

Each time any new electrical load, such as a water heater, dryer, range, freezer, motorized equipment, or heating device is added, you should review the parts of your electrical system which will handle the new load.

Homeowners may need the exper-

tise of others to help them check the wiring requirements and capabilities of their homes. General maintenance should include a routine visual inspection of all parts of the system which are exposed.

Also, maintenance of wiring and devices in a safe manner in safe locations is a prime consideration. The National Electric Code covers minimum specifications for safe installations.

Another check-up to make is for loose terminals and connections. Screws and splices have a tendency to loosen with use. A good practice is to tighten the screws in the fuse box at least once a year to avoid flickering and excessive heating of the terminals and wire, which could develop into blackouts. Before checking the screws, be sure to turn off all of the breakers.

Also, check the wires in the panel for signs of overheating, such as discoloration and melting of the insulation.

If your breakers are tripping, or if the fuses are blowing on some circuits more than occasionally, it is time to call your electrician to locate and correct the problem(s). Your wiring system will provide good service for a long time if it has been properly installed, is kept dry, is mechanically protected and is never overloaded.



*Three representatives of your cooperative were in Washington during May's Legislative Conference for rural electric leaders. With U.S. Representative Lynn Martin of Rockford are, from left, Leonard Ricke, director, East Dubuque; Charles McClave, assistant manager, Hanover; and Elmer Malon, director, Apple River. While in Washington, representatives of the nearly 1,000 rural electric systems called on members of Congress to discuss matters of importance for electric cooperatives.*

## how do others see you?

this?



Visitors see you the way they see your name on your mailbox.

or this?



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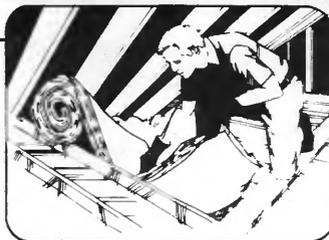
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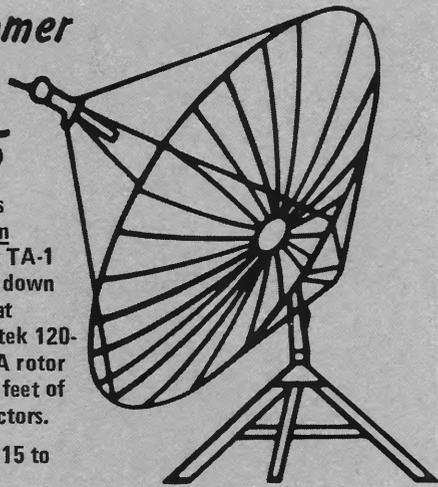
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nearby towns. You can see it in the sales receipts of all the towns around the lake. When the tourist season starts on April 1, the sales receipts immediately go up, and when the season winds down, so do the sales. It's as simple as that. The situation's a lot better than it used to be."

Coy and Wilma's store was the first business to open up on the lake, and they've added about 100 trailer spaces for campers. They tried to operate on the premise that if they treated customers the way they'd like to be treated themselves, the business would prosper. "We try to be helpful," Wilma emphasizes, "and if somebody needs something we don't have, we'll get on the phone and try to locate it for them, or we'll call medical help, or do whatever is needed to make their stay here more pleasant."

So far the minimarketing strategy seems to be working. The Cockrums note that they've had many repeat customers and the operation is still growing steadily if not spectacularly. "We put in an ice cream store not too long ago," Coy says, "because there seemed to be a good market for it and our daughter and her son can run it for us. They needed something to do and this works out great. We serve real hand-dipped ice cream, too," he says pointedly, "not the soft serve stuff. Ours is the old-fashioned kind. Kinda like our way of doing business."

Another old-fashioned twist Coy and Wilma add to their operation is a gospel sing held every year the Sunday night before Labor Day. They book a couple of well-known gospel singing groups from the area, open up a large field to spectators and everybody who wants to can take part in a good old-fashioned sing.

The Rend Lake Marina is another operation that, obviously, wouldn't have come about if not for the lake. Owned by the U. S. Army Corps of Engineers and operated by Paul Dickerson, it is a full-fledged marina operated on a year-round basis. Offering sales and rentals on a full line of boats, the marina also has covered and open docks, and all slips have power and water.

"We also offer shoreline moorage for pontoons and houseboats," Dickerson says, "and a total communications

and security system. We sell lures and live bait, too, as well as skiing accessories."

A relative newcomer to the lake with only four years under his belt, Dickerson notes that the marina brings a lot of tourists into the area. "We sell about 30,000 gallons of marine fuel a year, and we employ eight people during the summer. They work the gas pumps, perform boat services, make repairs, all the things that go with making people's stay pleasant.

"Actually," Paul continues, "the hardest work is in the winter. We're busier in the summer, but it's lighter, easier work. When the tourists are gone, we have to keep boats from

being iced in or blown away. Those are things you have to do in the middle of the night or when it's storming. We also upgrade the facilities. This year we put in ground fault interrupters to the electrical outlets on each dock, and added three feet of height to the breakwater to keep wave action out of the marina."

So, while the tidal effect of some two million people flooding into the area and back out during a six-month period obviously cannot be an unmixed blessing, it is equally obvious — from the sales receipts of nearby towns — that the tourists brought by Rend Lake have helped improve the area's economy considerably.

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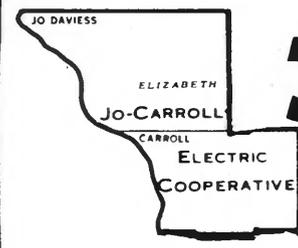
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# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.      Elizabeth, Illinois  
815 858-3311

## Manager's Report

by  
**Gary Stuva**



Two innovative methods of reducing peak energy demands on the Jo-Carroll Electric Cooperative system have been approved by your board of directors.

On July 1 your cooperative put into effect for cooperative members savings plans which feature an electric water heater program and a dual-fuel, interruptible-service rate.

I'll explain the electric water heater program first.

On June 15 your directors approved the establishment of a special \$3 per month credit on the electric bill of any member who allows the cooperative to install a radio receiver to control your electric water heater and shift its kilowatt-hour usage during certain peak times of the day.

Through this method of turning off electric water heaters, via radio con-

trol, during peak periods (usually during severely cold weather) we can help lower our energy requirements.

(An article on the opposite page provides more details on how peak loading management can save your cooperative money.)

We have come up with what we think are some questions and answers typical of those you may have about the water heater controls.

**Q. What can I gain by controlling my electric water heater?**

A. You will receive \$3 credit every month. The entire membership will benefit because demand will be held down.

**Q. What will it cost me to enroll in this program?**

A. There is absolutely no cost to the member. The cooperative will own and install the radio control device.

**Q. What if I have more than one water heater?**

A. Each member will receive \$3 credit per month for each receiver installed.

**Q. What is the control?**

A. The control is a small radio receiver about six inches square, which will be mounted inside your home or

milkhouse. A signal will be sent out by Dairyland Power Cooperative (our wholesale power supplier) only when there is a need to control peak demand or for other reasons beneficial to the cooperative. Your water heater will be turned off a minimum of time, but never longer than four hours.

**Q. Will my water heater be off every day?**

A. No, only on those days when we have high peak demand, which usually occurs during the winter months, or in an extreme emergency.

**Q. Will I run out of hot water?**

A. Since the maximum period is only four hours, you should have no problems if the heater is of sufficient capacity.

**Q. What happens if you install a control and later I decide I don't want it?**

A. Just call the office and it will be removed at no cost to you and you will be taken off the special credit rate.

**Q. Are all members eligible to participate?**

A. No. Only members having at least 50-gallon standard water heaters with a minimum total usage of 300 kilowatt-hours per month registered on meter on your monthly billing schedule.

**Q. When do you expect to have this control ready for installation?**

A. This column was prepared in July, and our plans call for installations to be underway in August.

**Q. When will I receive my credit?**

A. Beginning with the month following installation you will be credited with \$3 per month to your account.

**Q. What happens if I run out of hot water?**

A. In that event, call the cooperative. By no means should you cut the seal on the receiver and try to connect the water heater. To avoid any prob-

TO: Jo-Carroll Electric Cooperative, Inc.  
P. O. Drawer D  
Elizabeth, Illinois 61028

I am interested in having water heater controls installed to be eligible for the \$3.00 per month savings.

NAME \_\_\_\_\_ Acct. No. \_\_\_\_\_

Address \_\_\_\_\_

Telephone No. \_\_\_\_\_ Township \_\_\_\_\_

Do you rent home? Yes \_\_\_\_\_ No \_\_\_\_\_ Owner \_\_\_\_\_

Owner consent to install receiver \_\_\_\_\_

I have \_\_\_\_\_ water heaters to be controlled. Number \_\_\_\_\_ Size \_\_\_\_\_

## Load management objectives: blunt peaks, maximize plant use

Frank Linder, general manager of Dairyland Power Cooperative, says a major challenge now facing Dairyland's 29 member-cooperatives is a two-fold one: reduce the system peak demand growth, which will defer the need for new, expensive generating units, and improve the utilization of existing generating stations during

non-peak periods to maximize their return on investments. This will be accomplished, he says, by a load management program that was adopted last October and which involves a rate structure based on a member distribution cooperative's total system kilowatt load at the time of Dairyland's annual peak demand. The latter always occurs in the winter.

The heart of the program is a centralized load control system, which will be operated from the La Crosse, Wisconsin, headquarters. Dual-fuel furnaces in the homes of participating consumers will be remotely controlled to shift from electricity to an alternative fuel during periods of peak electrical demand. Electric water heaters in participating households will be shut off altogether for brief periods of time.

Linder said 71 radio transmitters will be installed throughout the Dairyland Power System to transmit the load control signals to receivers located in the homes. An initial order of 13,000 receivers is now being distributed to the rural electric cooperatives of the system. The program is expected to be formally underway next December.

### If your power goes off

1. Check your main fuses or circuit breakers.
2. Check your meter pole, If you have breakers, make sure they are in the "on" position.
3. If you still have no power, check with your neighbors to see if they have power.
4. Call your cooperative if the source of the power outage cannot be found. Please give the person who answers the phone the member's name as it is billed, and other information requested. Jo-Carroll Electric Cooperative's number is (815) 858-3311 day or night.



*Barbara Law, 17, daughter of Mr. and Mrs. Vernon Law, who live on Airport Road west of Savanna, was a participant in the recent "Youth to Washington" Tour coordinated by the Association of Illinois Electric Cooperatives, Springfield. Barbara, who will be a high school senior this fall, traveled as a "Willie Wiredhand" student, paying for the entire cost of her trip. Many of the students on the tour were winners of expense-paid trips as winners of their local cooperatives' essay contests. Among the most interesting parts of the trip for Barbara were the trip to the White House, Baltimore Harbor and the performance by the Marine Band at the low Jima Memorial.*

lem of this type, always call the cooperative if it is necessary to remove the seal. Should we find that the radio receiver has been tampered with, the member will be billed any charges for repairs.

**Q. What advantage is there for me as a member?**

A. You will be eligible for an annual savings of \$36 on your electric bill. The entire membership will benefit because Jo-Carroll Electric Cooperative's demand charges from our supplier will be reduced during the winter months, which, in turn, saves everybody money.

**Q. How do I sign up for this special rate and control?**

A. Complete the coupon on the page to the left and return it to the cooperative.

**Q. Does the cooperative guarantee the \$3 credit for a specific time?**

A. No, but with present day usage and living trends, it appears that the need for control will be required for several years.

\*\*\*

The other new program, also approved June 15 by the board of directors, is based on a special new low rate for those members who allow the Cooperative to interrupt their space heating (and in some instances water heating) electric service during times of peak usage, usually in the winter months.

That's where the dual-fuel aspect becomes important. In order to make your home suitable for interruptions in the winter, you will need to install a secondary heating system. Its purpose is to fill in the periods of interruption.

Your Cooperative is offering a special low rate as an incentive. Electricity metered through the meter

to your home's electric heating will be billed a rate of 3.3 cents per kilowatt-hour, 3.0 cents less than our standard residential rate of 6.3 cents. This will be possible because of the interruptible provision of the new rate. There will be no interruption of non-heating electric service, which will be billed at the 6.3 cents per kilowatt-hour rate.

For those of you with electric heat, you know how much your winter costs can run. A savings of several hundreds of dollars during a winter heating season can produce a relatively short payback period on the costs associated with the purchase of the back-up heating system.

Certain large electric water heaters may also qualify for this low rate.

If you are interested in the dual-fuel, interruptible service, please contact Jo-Carroll's office.

## Planning to Weatherize?

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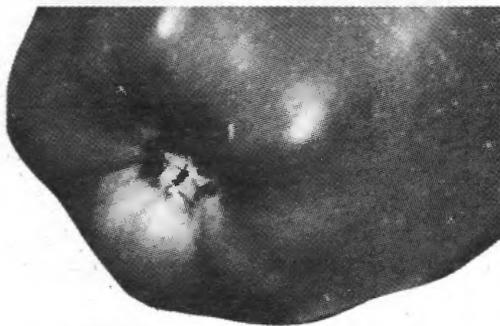
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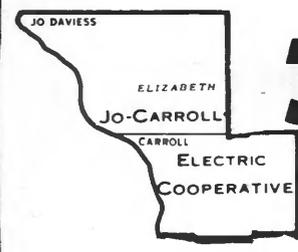
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# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.      Elizabeth, Illinois  
815 858-3311

## Manager's Report

by Gary Stuva



Would you be interested in spending two or three days each month reading electric meters in your neighborhood?

Your cooperative is planning a neighborhood meter reading program and is looking for responsible members who would like to serve in their neighborhoods.

Approximately 28-30 members will be needed to read meters on routes that will include up to 200 meters depending on density on particular routes. The readings will be taken within a three-day period each month, and we expect the average time required to read each route to be about 12-16 hours.

The normal three-day reading period will be the 20th through the 22nd of each month, depending on weekends and holidays. No meters will

be read on Sundays or holidays.

Members selected as neighborhood meter readers will be required to furnish their own transportation. They will be paid a moderate hourly wage and mileage for use of their automobile.

If you are interested in this type of part-time employment contact Jo-Carroll's office in Elizabeth, telephone 858-3311. The deadline for applications is October 20. We plan to start reading meters in January 1983.

In selecting meter readers, consideration will be given to where the applicant lives. Ideally, he or she should be centrally located with regard to the route to be read. One of the factors that will be considered in the selection of meter readers will be their close proximity to the respective meter-reading routes.

Another important factor in the selection of the readers will be their knowledge of others in their neighborhood. Knowing the people on the route will make it easier for the reader to learn and adapt to the route.

Of course, we will be accepting applications from men and women. Each applicant will be expected to have a relief person to call upon in

case of sickness or other unavoidable absence.

The meter readers we employ will receive appropriate training, and route mapping will be explained during instructional sessions, to be conducted in our office by Jo-Carroll personnel.

If you think being a meter reader is something you would enjoy, please complete the form on this page and return promptly to Jo-Carroll's office in Elizabeth. It isn't a big job, and you won't earn lots of money. But we think many persons will find this type of work enjoyable and interesting, and it does provide a chance for you to earn some extra money.

This program was undertaken by your board of directors during its July 20th meeting. Employees from another cooperative that has used this type of program for more than six years appeared before the board, explaining how their program works.

Using information from that meeting and from local studies, your board decided the time was right to launch such a project for Jo-Carroll.

Although having each member read his own meter has worked well in the past, the changing situation calls for us to go to a different method at this time. There are some definite advantages to the neighborhood meter reader program. Some are:

1. Insures that the meter will be read on approximately the same day each month, thus avoiding high bills in "long" months.
2. Eliminates embarrassment on the part of the member for forgetting to read the meter and pay his bill, and subsequently being sent a reminder notice.
3. Precludes estimating an electric bill when a meter reading has not been received. Meter readers will relieve the member of the chore of reading his own meter, and all the inconveniences associated with it.

TO: Jo-Carroll Electric Cooperative, Inc.  
P.O. Drawer D  
Elizabeth, Illinois 61028

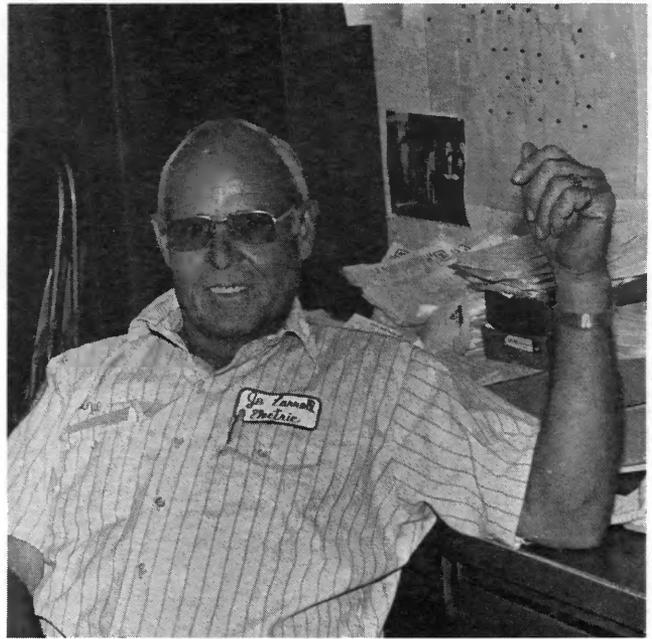
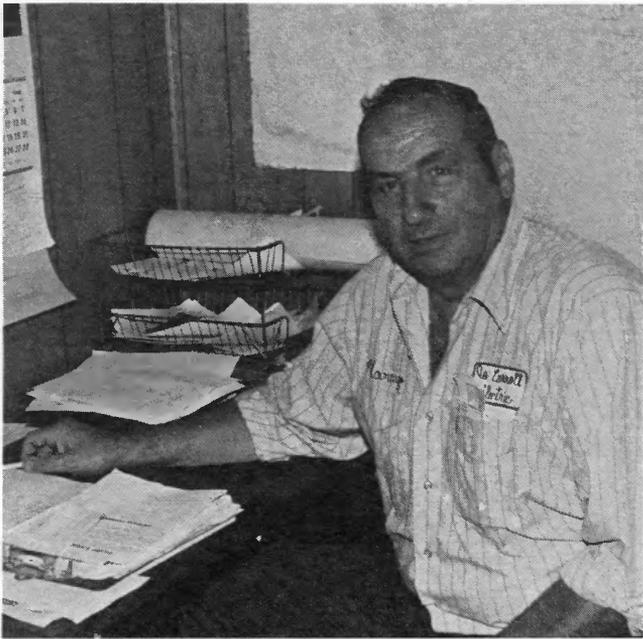
I am interested in being a Jo-Carroll Neighborhood Meter Reader. Please send me an application form. I am a member of Jo-Carroll Electric Cooperative.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_



Familiar faces for many Jo-Carroll members are those of Harry W. Ehrler, left, and James W. Riley. Harry, who has been a Jo-Carroll employee for 35 years, is our power use advisor. A former lineman and line foreman, Harry lives in Elizabeth and enjoys gardening. He has two sons, Steven and Brian, and a daughter, Gloria. James is our Carroll County foreman and has 25 years of experience with Jo-Carroll. He has attended special schools on hotline work, stray voltage and load control. He and his wife live near Savanna, and his hobby is woodworking.



## Program offers monthly savings to members

Interested in saving \$3 each month on your electric bill?

You can, if you participate in Jo-Carroll Electric Cooperative's water heater control program.

Briefly, here is how it works.

Interested in saving \$3 each month on your electric bill? Then, when our supplier of bulk power finds it necessary to reduce electric load (most likely during the coldest winter days), the water heater is shut off for a period of time up to four hours.

A detailed explanation was printed in the August 1982 issue. If you would like to have more information, please contact Jo-Carroll at 858-3311, or complete the form below and send to our office.

We install, at no cost to you the member, a radio receiver on your elec-

4. Meter readers will enable the cooperative to maintain closer contact with changes that have occurred.
5. The newcomer to our system will not have to make the adjustment to reading his own meter.
6. Operations will run more smoothly and efficiently in the Jo-Carroll billing department with reading coming in on a regular schedule.
7. There will be more accuracy in the billing operation and questions concerning usage can be answered more efficiently because meters are being read on a regular basis.

We think you will like the neighborhood meter reading program. The meter reader will probably be someone you already know. If not, we are sure you will soon become acquainted.

TO: Jo-Carroll Electric Cooperative, Inc.  
 P. O. Drawer D  
 Elizabeth, Illinois 61028

I am interested in having water heater controls installed to be eligible for the \$3.00 per month savings.

NAME \_\_\_\_\_ Acct. No. \_\_\_\_\_

Address \_\_\_\_\_

Telephone No. \_\_\_\_\_ Township \_\_\_\_\_

Do you rent home? Yes \_\_\_\_\_ No \_\_\_\_\_ Owner \_\_\_\_\_

Owner consent to install receiver \_\_\_\_\_

I have \_\_\_\_\_ water heaters to be controlled. Number \_\_\_\_\_ Size \_\_\_\_\_

# GARDENING?

TRY AN AGCO FOR 15 DAYS . . .  
YOUR MONEY BACK IF NOT SATISFIED.

NEW AGCO TILLER-POWER HOE TILLS DEEP . . . WEEDS FAST, NO HARD WORK OR PAINFUL BACKACHE!



Tiller - Power Hoe

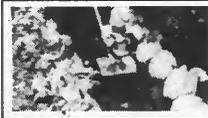


Weights  
20 lbs.

Works 8 hrs  
on 1 gallon  
of fuel!



Tills Deep



Weeds Fast

**NOT SOLD IN STORES . . . FREE BROCHURE . . . WRITE TO:**  
AGCO, PO Box 75, Southampton, Pa. 18966 Dept. 8

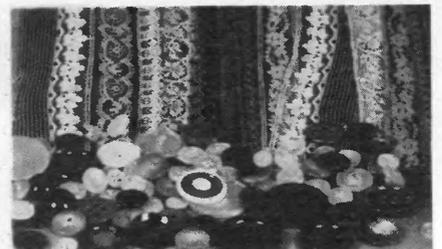
Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_  
Call 215-947-8855 24 hrs a day. Charge card orders accepted.

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Gives you bumper crops of fruits, vegetables & flowers . . . liberal warranties, 2 wk money back trial period from AGCO.

1. High speed tiger tines till toughest grasses & clays.
2. Weighs just 20 lbs. Easy to handle. Tills 6 to 8 inches deep. Weeds narrow rows 1 to 3 inches deep.

### Use an AGCO



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**LACE — LACE — LACE . . .** 40 yards of Lace in delightful patterns. Edgings, insertions, etc. Assorted beautiful designs, colors and widths. Pieces at least 10 yards in length—none smaller. Marvelous for dresses, pillow cases, etc. Terrific as hem facing on new double, knit fabrics. **Only \$1.75** or double orders **\$3.35**. 3 orders just **\$4.95**. Pls. include 50¢ pstg. and hding with EACH set of 40 yards you buy. Satisfaction guaranteed!

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50 New, High Quality Buttons. Assorted colors, sizes and shapes. Sent FREE with each lace order. Please allow up to 6 weeks for delivery.  
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1602 Locust St.

DEPT. LB-749  
St. Louis, MO 63103

# Thank Goodness for Flannel Sheets! I Thought I'd "Freeze to Death"



When I went to England, I just knew it was going to be the trip of a lifetime. I had saved and planned for years. Then, out of the blue, I got a chance to spend a few days in an

honest-to-goodness 13th Century castle on the moors in Yorkshire.

What I overlooked was the English idea of central heating. After I left London the weather suddenly turned shivering cold and wet. By the time I got to my destination I was too tired and miserable to care about picturesque charm and history. All I could think of was how uncomfortable I was going to be in an old, drafty castle.

Sure enough, my room was freezing. But when I crawled into bed I was dumbfounded to discover how marvelously cozy it was despite the lack of heat.

There was a big, puffy down comforter on top. Underneath, the sheets and even the pillowcases were flannel. And not that flimsy, pilled kind we used to have at summer camp. They were luxuriously soft, thick real *English cotton flannel*.

I felt utterly pampered in plushy comfort. And I never slept better, because I wasn't buried under layers of heavy bedclothes.

Then and there I decided I was going to have sheets like that at home. What a great way to save on heating costs at night and still feel rich and special!

When I got back to the United States I soon learned that the flannel sheets in stores didn't feel or look the same at all. The polyester in them made such a difference.

Finally, I got so frustrated I went to Damart, a company in my home town, and suggested they sell real English flannel sheets and pillowcases. They loved the idea.

And that's how Agatha's Cozy Corner was born. We talked it over and added heavenly down comforters and some other things as well as the sheets. And now I'd be happy to send you my catalog. It's printed in color, and gives you the pictures and story of everything we sell. Just use the coupon for your free copy.



© 1982, Agatha's Cozy Corner

**AGATHA'S COZY CORNER**  
DEPT. 1R92  
Woodbury Plaza  
Portsmouth, N.H. 03801



Yes! I would like to receive a FREE copy of Agatha's Cozy Corner Catalog. Please send it right away.

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Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

## Dentures

# \$195

### Total Cost For Both Upper & Lower Dentures

- Write for free details
- High Quality at Budget Prices
- In by 10 a.m.; out that same afternoon with your new dentures
- Fitted by Licensed Dentists
- We will process insurance and Medicaid forms
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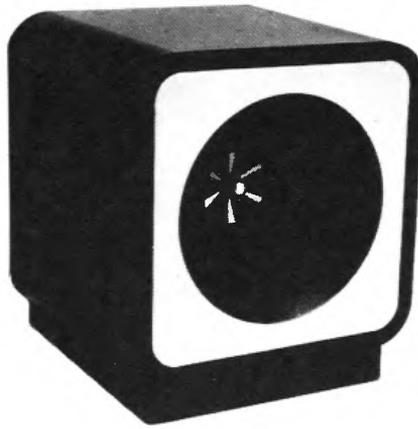
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(417) 466-7196

**our patients now number in the thousands...all the way from Maine to California, Canada to South America, Florida to Washington.**



*PEST-PRUFE™ is small and unobtrusive--rugged, hi-impact case has black finish with brushed silver face. Measures only 3-1/2" x 4" x 3-1/2". Weighs about a pound.*

# Clear Your Home of Mice, Rats, Roaches and Other Pests -- and Keep Them Out!

**PEST-PRUFE™ is a home-size version of the commercial pest control device that's safe for people, pets and the ecology. Try it in your home for 30 days.**

They don't call them pests for nothing. The bugs and rodents of this world can make life miserable. Traps, sprays and poisons seem to have little effect . . . and professional exterminators don't come cheap. But now you can eliminate troublesome pests and keep them out thanks to new ultrasonic PEST-PRUFE.

The electronic PEST-PRUFE unit doesn't kill rodents or insects—it repels them. Early laboratory research showed that ultrasound was effective in modifying the behavior of mice and rats.

As commercial exterminators began using ultrasonic sound to control rodents, other studies indicated that certain frequencies affected the behavior of insects, too. Now, professional pest control companies acknowledge the usefulness of ultrasonics in controlling certain rodents and insects.

#### UNIVERSITY TESTED

The heart of this new, electronic marvel is a special quartz crystal speaker. It enables PEST-PRUFE to emit ultrasonic sounds that only pests can hear.

These ultrasonic frequencies "attack" the auditory and nervous systems of rodents and certain insects causing pain and discomfort. The pests are forced to abandon the covered area and will not return while you continue to use PEST-PRUFE.

A leading university tested PEST-PRUFE as absolutely safe for humans and pets. And

#### PEST-PRUFE is effective in repelling:

Mice	Rats
Roaches	Carpenter Ants
Crickets	Silverfish
Water Bugs	Locusts
Fleas	. . . and many other pests

since there are no poisonous chemicals, the ecology is not harmed in the slightest.

The ultrasonic output is above the hearing range of humans and household pets, so PEST-PRUFE is safe for use anywhere. It will not interfere with any electronic burglar alarms, fire or smoke detector, TV reception or other electronic equipment.

#### SET UP A BARRIER TO KEEP PESTS OUT THIS WINTER.

When you get your PEST-PRUFE you'll begin to notice some results in a few days. In two to six weeks your infestation will be eliminated. Then continual operation of your unit will prevent further nesting and inhabitations.

Even with colder weather approaching, you can keep pests from coming indoors as long as your PEST-PRUFE is in operation.

#### JUST PLUG IT IN.

There's no installation with PEST-PRUFE. All you do is plug it into any 110-Volt AC outlet. The solid-state electronics and quartz crystal speaker require only 5 watts of power—just pennies per month—and it's maintenance free.

Put PEST-PRUFE anywhere: home, apartment, store, warehouse, or factory. It's the perfect answer for facilities where food is stored or handled such as schools, hospitals, and nursing homes.

It will repel pests from areas that are difficult to seal-off such as garages, farm outbuildings, boats and vacation homes. One unit protects an area up to 2500 cubic feet.

#### YOU CAN'T BUY BETTER PEST PROTECTION.

PEST-PRUFE is state-of-the-art technology. Until now, commercial units used by professional pest control companies cost up to \$200—but lower cost solid-state components allow PEST-PRUFE to give you the same pest repelling power for only \$49.95 (plus \$2.85

shipping and handling). Now there's no need to empty messy traps or buy poisonous chemicals again and again.

#### TRY IT FOR 30 DAYS WITHOUT RISK.

We urge you to try the PEST-PRUFE unit for 30 days. If you don't see proof that it is the most advanced, efficient pest eliminator available today, return it for a complete, no-quibble refund—including return postage. You are protected by a one-year manufacturer's warranty as well as Shelburne's 26-year reputation for satisfied customers.

#### HERE'S HOW TO ORDER.

To order, simply send your check for \$49.95 plus \$2.85 shipping and handling to the Shelburne Company at our address below. Credit card holders can speed their delivery by using our toll-free number. (Md. residents should add 5% sales tax.)

#### CALL TOLL-FREE:

Monday thru Friday  
9 a.m. to 5 p.m. Eastern Time

**(800) 638-6170**

All other times call

**(800) 228-2606**

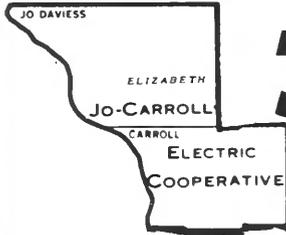
Maryland residents call 363-4304

Get rid of rodents and insects without using messy traps or poisonous chemicals. Let PEST-PRUFE clear your home promptly and effectively. Order one today and try it for a full month at no obligation.

The  
**Shelburne**  
Company

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(301) 363-4304

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# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.

Elizabeth, Illinois

815 858-3311

## Manager's Report

by  
Gary  
Stuva



The nippy fall temperatures bring to mind a couple of items that will affect your Cooperative beginning this winter.

Since we published the coupon for applicants to be neighborhood meter readers we have received a large amount of applications from the membership. October 20 was set as the deadline for these applicants.

As you will recall, we announced plans in the summer to hire neighborhood meter readers for a program of monthly reading to begin probably this January.

We anticipate hiring about 28-30 of our members to read upwards of 200 meters in their local areas. This reading will take place over a three-day period,

usually the 20th through the 22nd of each month. We expect the time involved to be about 12-16 hours over the three days.

Your directors decided on this program after considering a number of the advantages: elimination of so-called "long months," no more need to remind those who simply forgot to read their meters, eliminates estimated bills, better contact with changes at your property, newcomers won't have to learn meter reading, a regular schedule will make for better office operations, and improved accuracy in the billing operation.

\*\*\*\*

Mark your calendars for Saturday, December 4.

That's the date for Jo-Carroll Electric Cooperative's annual meeting. The meeting will start at 10 a.m. and will be held at the Mt. Carroll High School in Mt. Carroll.

As usual, the Jacobstown Community Club will serve box lunches, and we will have officers reports, election of directors, and entertainment.

A feature of the meeting will be a presentation by Ron Marose of Dairyland Power Cooperative of La Crosse, Wisconsin. Dairyland is our bulk power supplier, and we know Ron will have some interesting information for you.

\*\*\*\*

We also have two new, innovative load management programs now in effect.

One involves the use of a radio-controlled switch for electric water heaters. We will install, at no cost to the consumer, a radio receiver on your water heater. Then, on those extremely cold days when our electric supplier's generating system is being called upon to meet high consumer demand for electricity, the signal will be sent out to shut off the water heaters for a period of up to four hours.

For no longer than the heating element will be off, you should not have any problems with hot water supply.

By shutting off this part of the system load, our power supplier can avoid switching to higher-cost electric generation equipment, and reduce demand charges to Jo-Carroll. That saves you money.

There is another, more direct financial advantage with this program. We will give you a \$3 per month credit on your monthly electric bill for participating in this program.

For more information, complete the coupon on this page and mail to Jo-Carroll, or call us at 858-3311.

The other new program, also approved June 15 by the board of directors, is based on a special new low rate for those members who allow the Cooperative to interrupt their space heating (and in some instances water heating) electric service during times of peak usage, usually in the winter

TO: Jo-Carroll Electric Cooperative, Inc.  
P. O. Drawer D  
Elizabeth, Illinois 61028

I am interested in having water heater controls installed to be eligible for the \$3.00 per month savings.

NAME \_\_\_\_\_ Acct. No. \_\_\_\_\_

Address \_\_\_\_\_

Telephone No. \_\_\_\_\_ Township \_\_\_\_\_

Do you rent home? Yes \_\_\_\_\_ No \_\_\_\_\_ Owner \_\_\_\_\_

Owner consent to install receiver \_\_\_\_\_

I have \_\_\_\_\_ water heaters to be controlled. Number \_\_\_\_\_ Size \_\_\_\_\_



*Don Schleicher, left, is an apprentice lineman for Jo-Carroll. He has been an employee of your cooperative for three years, and has received special training in underground line safety. He and his wife, Kim, and daughter, Connie, 6, live near Hanover. Don enjoys hunting and fishing. George Nardin has more than 11 years of employment with Jo-Carroll as a lineman. He and his wife, Murt, and children Mike, 14, Paul, 10, and Kim, 5, live in Elizabeth. George is a fishing and camping enthusiast.*

## Use extreme caution when working around grain

- A farmer raced to his bin hatch to retrieve a scoop he'd forgotten. Just as he reached for it, the shovel slid into the withdrawal cone. He lunged to grab it and fell headfirst into the flowing grain. He got out by using the shovel to paddle himself up the cone.
  - Another man left his two children in his truck and went to turn on the auger. A few minutes later he returned to the loaded truck but couldn't find his children. He thought they might be in the grain so he dumped the load in the yard. He found them but one had already smothered.
- These are just a few examples; pages could be filled with others. There are no accurate statistics on

grain handling deaths, and further, near misses often go unreported. However, research indicates fatal and non fatal accidents like these probably occur at least 100 times each year in the grain belt.

Few people realize how flowing grain acts, according to Bruce McKenzie, Agriculture Engineer, Purdue University. He says: "It flows almost like a fluid when it's drawn from the bottom of a bin. You start with your legs about a foot deep in grain and you're helpless when it gets above your knees."

Accidents are occurring now because we're handling more grain, faster, with bigger equipment and with fewer people.

Grain suffocation doesn't have to

happen if you follow these rules:

- (1) Install ladders at all bins.
- (2) If trapped in a grain bin or silo, stay near the outer wall and keep moving. You can walk the bin down until it is empty and flow stops.
- (3) If you enter a bin with potential danger, use a rope and safety harness with two men outside to hold you and get help if needed.
- (4) A rope, chain or pipe ladder hanging from a roof may save you, but these safety devices have drawbacks. They are not proven and you may not have any way to get out of the bin if you use them.

Remember that flowing grain is dangerous. Preach that to your family, helpers and neighbors.

months.

That's where the dual-fuel aspect becomes important. In order to make your home suitable for interruptions in the winter, you will need to install a secondary heating system. Its purpose is to fill in the periods of interruption.

Your Cooperative is offering a special low rate as an incentive. Electricity metered through the meter to your home's electric heating will be

billed a rate of 3.3 cents per kilowatt-hour, 3.0 cents less than our standard residential rate of 6.3 cents. This will be possible because of the interruptible provision of the new rate. There will be no interruption of non-heating electric service, which will be billed at the 6.3 cents per kilowatt-hour rate.

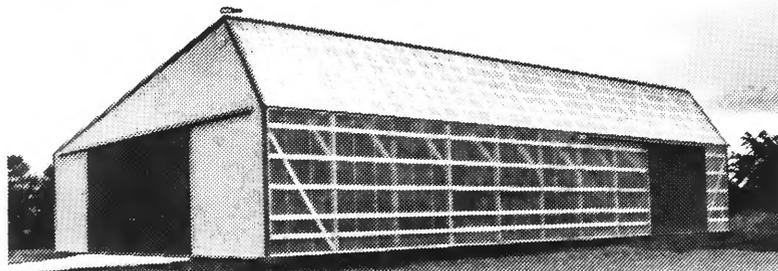
For those of you with electric heat, you know how much your winter

costs can run. A savings of several hundreds of dollars during a winter heating season can produce a relatively short payback period on the costs associated with the purchase of the back-up heating system.

Certain large electric water heaters may also qualify for this low rate.

If you are interested in the dual-fuel, interruptible service, please contact Jo-Carroll's office.

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Pay attention to the pitch of the roof—it's the solar shape of things to come. Our pitch is designed for maximum solar heat gain and optimum energy in winter. And it's the reason this building works all year 'round while adapting to the seasonal requirements of your operation.

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Investigate the Wick building for all seasons...the multi-purpose building with the solar advantage to fit the way you farm. Call your Wick dealer—a solar expert, today!



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217-627-2297  
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217-342-2159  
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Wataga ..... Harold Bramlett  
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Waterman ..... Little Enterprises  
815-264-3302  
West Salem ..... George's Farm Supply  
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### WISCONSIN

Genoa City ..... Chuck Schuren  
414-279-5424

### Burning wood

(Continued from page 4)

- Inspect it for broken parts, or cracks in the joints or castings which make it unsafe.
- Correctly size the stove for the area to be heated.
- If it is equipped with fans or blowers, can the stove operate safely when the power is off?
- Does it have sturdy legs providing at least four inches (preferably eight to 18 inches) air space between the bottom and the floor? Legs less than four inches require additional protection for a combustible floor.
- Where you intend to install it?
- Do the air inlets close completely so no visible sign of light is present? If not, it will be difficult to extinguish a flue fire if one develops.
- Have the manufacturer's installation directions been followed, or local codes if more stringent?
- Has firebrick or sand been placed in the bottom and/or sides of the fire-box if suggested by the manufacturer?
- Is the floor non-combustible or has approved protection been added? A sheet of 24-gauge sheet metal over 1/4-inch asbestos millboard or a layer of four-inch-width brick with 24-gauge sheet metal underneath fit tightly into a frame offers suitable floor protection for most stoves with legs six inches or longer.
- Does the floor protector extend a minimum of 18 inches out from the front, sides and back of the stove? This distance is recommended for safe operation.
- Is a single-walled, radiant stove located at least 36 inches from an unprotected, combustible surface? This is the recommended minimum clearance set by the National Fire Protection Association (N.F.P.A.).
- Is a jacketed, circulating stove located at least 12 inches from an unprotected, combustible surface? This is the recommended minimum clearance by the N.F.P.A.
- Is a screen provided on open-front stoves that exposes open flames to a room?
- Coal should not be burned in a stove unless it is approved for that use by the manufacturer.

**WEATHERIZING?**

Order the revised edition of  
 "Home Weatherization"  
 Use coupon on page 10

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 TANK COATINGS**

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 coatings for tar paper, composition  
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 Composters, 102nd St. & 9th Ave., Troy, New  
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*Collector's Plates*



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**\$4**  
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D. The Cobbler

*Complete  
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Plates shown much  
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*Hand  
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**GENUINE  
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A. The Toymaker

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Norman Rockwell was a master of his craft . . .  
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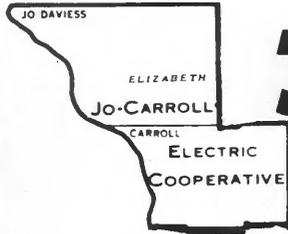
- A. The Toymaker
- B. For A Good Boy
- C. The Lighthouse Keeper's Daughter
- D. The Cobbler

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# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.

Elizabeth, Illinois

815 858-3311

## Manager's Report

by  
Gary  
Stuva



During each of the last several months you may have noticed two employees' photographs and a little information about each person. Again this month we have featured two employees and we will continue for several months until all of your Cooperative's employees have been featured.

I am sure that a lot of you know many of these people, but we want to give all the members a chance to match up names with faces and jobs around the Cooperative.

We do not have a lot of employees,

but we have a highly dedicated group of people, most of whom have grown up in this area.

As I mentioned briefly last month, your Cooperative's annual meeting will be held Saturday, December 4, at the Mt. Carroll High School in Mt. Carroll. The registration will begin at 9:30 a.m. and the meeting will begin at 10 a.m. This is the 43rd annual meeting for Jo-Carroll, and we want to stress how important it is for members to attend.

There will be reports of officers and the manager, and election of three directors to serve three-year terms on the board of directors.

Following the business session and election, those attending will be treated once again to the special boxed lunches prepared by the Jacobstown Community Club. This organization has served our annual meeting meal since 1949.

Your Cooperative's nominating

committees met October 20 and slated a number of candidates for the three director positions up for election during the annual meeting.

**District 1** - Earl Hilbe, 5992 North Sandridge, East Dubuque; and Leonard Ricke (incumbent), 6100 Ricke Drive, East Dubuque. Nominating committee: Delbert Schulting, Ed Handfelt, and John H. Schneider.

**District 3** - David Hughes, 1027 South Apple River Road, Elizabeth; Howard Koltz, P.O. Box 31, Elizabeth; and Roger Schlichting, 3170 North Scout Camp Road, Apple River. Nominating committee: Wayne Arnold, Paul Fitzpatrick, and Delmar Dittmar.

**District 4** - Raymond Flack, 10950 Illinois Route 84 South, Hanover; and Clarence Glasker (incumbent), 7013 South Black Jack Road, Hanover. Nominating committee: Don Crawford, Don Edgerton, and Laverle Streicher.

## Annual Meeting Program

Saturday, December 4, 1982

Mt. Carroll High School Gymnasium, Mt. Carroll, Illinois

Registration . . . . . 9:30 a.m.

Business Meeting . . . . . 10 a.m.

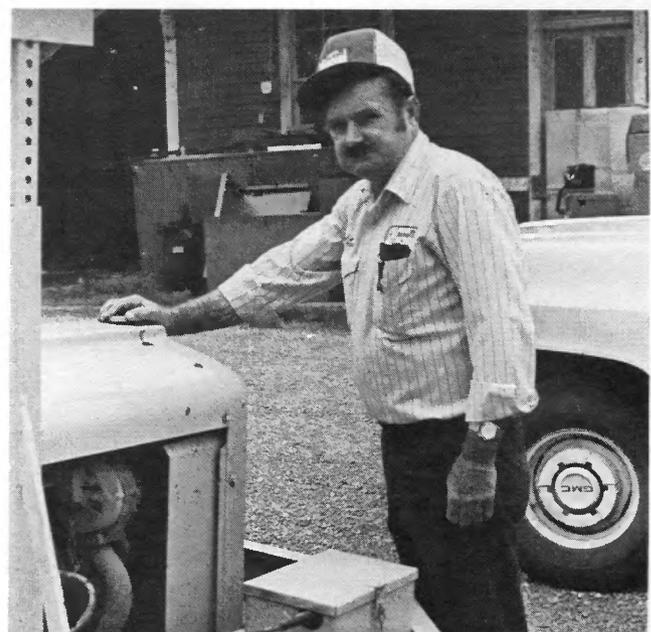
Reports of officers and manager

Election of directors

Noon . . . . . Lunch served by Jacobstown Community Club

Entertainment

Attendance prizes will be given away after lunch.



John Lisk, left, a lineman specializing in underground work, has been with Jo-Carroll for 11 years. Formerly a groundman, John is married and the father of five children, four girls and one boy. They live in Elizabeth, and John enjoys fishing as a hobby. Vic Mason has one of the longest service records with the Cooperative. An employee for 30 years, Vic is now forestry trimmer foreman, after having served earlier in his career as a groundman truck driver. He lives near Hanover and is a breeder of rare pigeons.

### During outages

## Turn off motor to avoid problems

When there is a likelihood of power outages because of the severe winter weather we sometimes have in this part of the nation, people are given a lot of advice on how to protect themselves and their equipment. They are advised to have an emergency source of heat, and adequate supply of food and water, and so forth.

Here's another bit of advice that could save grief and money: Turn off those electric motors!

Prior to, during and after a power outage, low voltage conditions sometimes occur in feeder lines. The excessive current resulting in low voltage will overheat motor windings and continued overheating will burn out the motor.

You will know you have low voltage if your lights are much dimmer than usual or if your television picture narrows.

It is true that many motors have internal protection devices, but some do not. So the best advice is: Turn off all appliances and equipment that have electric motors until after the power comes back on.

By turning off electric motors you may also help restore power sooner. Many times when the power fault is

corrected and an attempt is made to bring the power back on the line, it kicks out again and again because all those electric motors which are not turned off in many homes and farms go on at once and the load is just too great. Protective overload line equipment kicks out and has to be reset.

The best advice then is to pull the plug or turn off those appliances

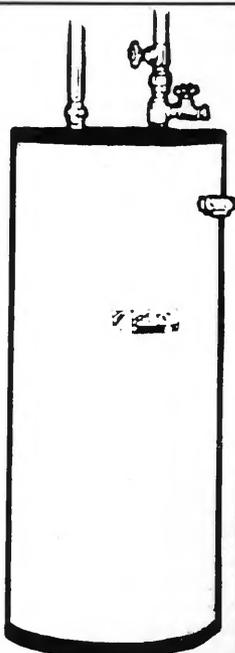
which have electric motors until the power comes back on and is stabilized. Appliances with electric motors include refrigerators, freezers, humidifiers, dehumidifiers, air conditioners, dryers, washers, and furnaces.

Equipment that has electric motors include pumps, bunk feeders, silo-unloaders, milk coolers, crop driers, grinders and mixers.

SAVE

\$36.00

per year with  
water heater control...



- \$ Receive a \$3 monthly credit on your bill if you allow Jo-Carroll Electric Cooperative to control your water heater during peak times.
- \$ Jo-Carroll will provide the control device (radio receiver).
- \$ Water heater will be off no more than four hours in any 10-hour period.

For details, contact Jo-Carroll, 858-3311.

# Holidays make scents!

## FRUIT NUT STUFFING

- 1 1/2 cups hot water
- 1/4 cup margarine, cut in pieces
- 1 pkg. (6 oz.) chicken flavor stuffing mix
- 1/4 cup raisins
- 1 apple, peeled, cored and coarsely grated
- 1/4 cup walnuts or pecans

Combine hot water, margarine, contents of seasoning packet and raisins in 1 qt. baking dish, stirring until melted. Add stuffing crumbs and stir just to moisten. Stir in apples and nuts. Cover and bake at 325 degrees for 45 minutes.

## CORNBREAD SAUSAGE STUFFING

- 1/2 lb. bulk sausage
- 1 1/2 cups hot water
- 1 pkg. (6 oz.) cornbread stuffing mix

Break sausage into small pieces and brown well in skillet. Drain, reserve drippings. Add margarine to drippings, if necessary to make 3 tablespoons. Return to skillet. Add hot water and contents of vegetable/seasoning package to skillet. Add stuffing crumbs and stir to moisten. Mix in sausage. Spoon in 1 qt. baking dish, cover and bake at 325 degrees 30 minutes.

## PUMPKIN WHIP

- 1 pkg. (3 oz.) orange gelatin
- 1 cup boiling water
- 1 pkg. (4-serving) vanilla instant pudding and pie filling
- 1 cup cold milk
- 1/4 teaspoon pumpkin pie spice
- 1 envelope whipped topping mix
- 1 can (16 oz.) pumpkin finely chopped nuts

Secure a 2-inch wax paper collar to 1 qt. souffle dish. Dissolve gelatin in boiling water; cool. Prepare pudding mix with 1 cup milk as directed on package, beating only 1 minute. Blend in spice and cooled gelatin. Chill until slightly thickened. Prepare whipped topping mix as directed. Beat pudding mixture with hand beater or electric mixer until thick and fluffy. Blend in pumpkin; fold in whipped topping. Chill again until thickened, if necessary, and pour into souffle dish. Chill until set, about 3 hours. Remove paper collar and sprinkle sides with finely chopped nuts. Garnish with additional prepared whipped topping and sprinkle with additional pie spice, if desired.

## CRANBERRY PUDDING TARTS

- 1 pkg. (4-serving) pistachio instant pudding and pie mix
- 2 cups cold milk
- 6 or 7 individual commercial pastry shells in aluminum foil cups
- prepared whipped topping
- whole berry cranberry sauce

Prepare pie filling mix as directed on packet for pie, using 2 cups milk. Pour into tart shells. Chill. Top with prepared whipped topping, using pastry bag with star tip, if desired, and garnish with cranberry sauce.

## EGGPLANT CASSEROLE

- 1 large or 2 small eggplants
- 1/2 teaspoon salt
- dash of black pepper
- 2 cups canned tomatoes, drained
- 1/2 cup chopped onions
- 2 eggs, well beaten
- 2 cups cornbread crumbs
- 2 or 3 tablespoons margarine
- milk
- grated cheese

Peel and cut eggplant in cubes. Cook in water until tender. Drain thoroughly. Add salt and pepper to eggplant. Saute onion in margarine until soft. Mash tomatoes, mix with onion and combine with eggplant, beaten eggs and bread crumbs. Grease casserole pan, spoon in eggplant. Pour milk over the top until covered. Top with 1/2 cup grated cheese. Bake at 375 degrees until hot and bubbly all the way through.

## CRANBERRY ORANGE RELISH

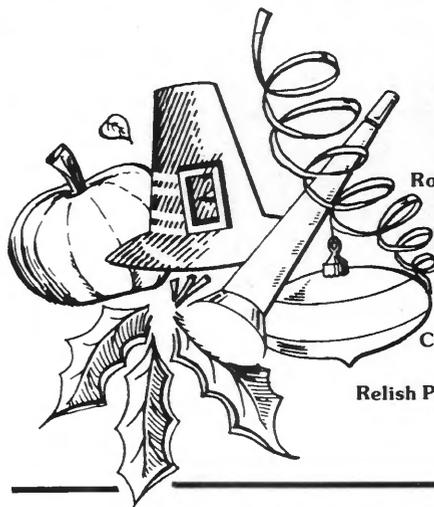
- 4 cups (1 lb.) fresh cranberries
- 2 oranges, quartered
- 2 cups sugar
- 1/2 cup nuts, chopped, if desired

Put cranberries, quartered and seeded oranges with rind through a food chopper. Add sugar. Mix well, chill in refrigerator several hours before serving. Makes 1 quart and will keep for several weeks.

## DROP PEANUT BUTTER COOKIES

- 2 cups sifted flour
- 1 teaspoon soda
- 1 teaspoon baking powder
- 1/2 teaspoon salt
- 1 cup shortening
- 1 cup peanut butter
- 1 1/4 cups firmly-packed brown sugar
- 3 eggs
- 1 teaspoon vanilla
- 1 cup granulated sugar

Sift flour, measure and sift again with salt, soda and baking powder. Blend shortening and peanut butter until smooth. Add sugar gradually, beating until creamy. Add eggs 1 at a time beating well after each addition. Add vanilla. Blend in flour. Mix until smooth. Drop from teaspoon onto greased cookie sheet. Bake at 375 degrees for 8-10 minutes. Makes 8 dozen.



## MENU

- Roast Turkey
- Fruit Nut Stuffing
- Cornbread Sausage Stuffing
- Creamed White Onions
- Broccoli Spears
- Warmed Dinner Rolls
- Pumpkin Whip
- Cranberry Pudding Tarts
- Hot Mulled Cider
- Relish Platter or Waldorf Salad

## TUNA DIP

- 1/2 cup sour cream
- 1 7-oz. can tuna, drained and rinsed off
- 1 tablespoon horseradish
- 1 teaspoon Worcestershire sauce
- 1 8-oz. pkg. cream cheese, broken in pieces
- 1/2 teaspoon salt
- onion, if desired
- dash of pepper
- dash of garlic salt
- 1/2 teaspoon Accent

Mix in blender (or mix with mixer) until smooth. Chill 2 hours. Yields 3 cups.

## FRUIT PIE

- 1 can Eagle Brand milk
- 1/2 cup lemon juice
- 1 small can crushed pineapple, drained
- 1 can peaches, sliced
- 1/2 cup nuts
- 1/2 cup coconut
- 1 can Mandarin oranges
- 9 oz. non-dairy whipped topping

Mix and pour into graham cracker crust. Put in refrigerator for several hours until firm or overnight.

## ORANGE PECAN PIE

- 1 cup light corn syrup
- 1/4 cup melted butter
- 1/4 cup sugar
- 1 cup chopped pecans
- 1 tablespoon orange juice
- 1 tablespoon orange rind, grated
- 3 eggs, beaten
- 1/2 teaspoon salt
- 1 unbaked 9-inch pastry shell

Combine first 8 ingredients in a medium mixing bowl; mix well. Pour into pastry shell. Bake 45 minutes in 350 degree oven.

## BUTTERMILK COCONUT PIE

- 4 eggs
- 2 cups sugar
- 1 stick butter or margarine, melted
- 9 tablespoons buttermilk
- 1 cup coconut
- unbaked pie shell

Mix together. Put in unbaked pie shell and bake at 350 degrees for 30-45 minutes.

## PLUM CAKE

- 2 cups sugar
- 1 cup oil
- 3 eggs
- 2 jars baby plum pudding
- 1 teaspoon cloves
- 1 teaspoon cinnamon
- dash of salt
- 2 cups self-rising flour
- 1 cup nuts, chopped

Cream sugar and oil, add eggs one at a time, beating well after each. Add pudding. Sift flour, cloves and cinnamon together. Add to creamed sugar. Dredge nuts in 2 tablespoons flour mixture, then add to mixture. Bake in well greased and floured pan for about 50 minutes.

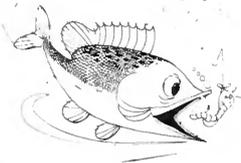
## Glaze:

Spread plum jelly over warm cake or mix together 1 cup powdered sugar and enough lemon juice to taste. Spread over warm cake.

## AMBROSIA

Peel and remove membrane from 1/2-dozen oranges. Cut into small pieces. Add 1/2 cup fresh grated coconut and small amount of sugar. Let stand for several hours before serving.

# Lake of Egypt



## fish limits

The board of directors of Southern Illinois Power Cooperative has voted to set limits on the number of fish taken from the Lake of Egypt. While fishermen could previously keep all the crappie they pulled from the lake, the limit is now 30 per fisherman per day, and bass less than 14 inches in length must be returned to the lake.

Fishermen wishing to try their luck in the Lake of Egypt may buy boat stickers at three locations. The Pyramid Acres, Egyptian Hills and Lake of Egypt marinas all sell them. An annual sticker costs \$25, and seasonal permits go for \$2 per day.

Maximum length for hull boats on the lake is 20 feet, while pontoon boats 28 feet or less are permitted. There is no minimum. Boats equipped with kitchens or toilets are not permitted.

The lake boasts a ski area on the main body at the north end, and trout lines and jugging are prohibited in the ski area.

Of course, anglers need to have a current Illinois fishing license, and all provisions of the Illinois Boat Regulation and Safety Act are enforced on the lake.

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3 1/2" bore x 24" stroke x 1 1/8" rod. Item #909324 ..... \$115  
4" bore x 24" stroke x 1 1/4" rod. Can go UPS, welded type. Item #909424 ..... \$140  
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4 1/2" bore x 24" stroke x 2" rod. Item #909824 ..... \$179  
5" bore x 24" stroke x 2" rod. Item #909524 ..... \$204



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#### VERTICAL

3 1/2 HP Briggs, #7030 ..... \$95  
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5 HP Tecumseh, #7051 ..... \$125  
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3 HP Briggs, #6030 ..... \$110  
5 HP Tecumseh, #6051 ..... \$130  
8 HP Tecumseh, #6081 ..... \$182  
8 HP Briggs, #6080 ..... \$198

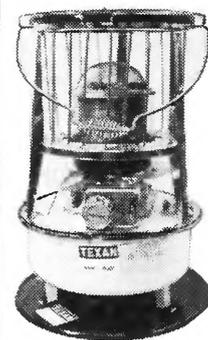
-Name brands, horizontal & vertical 3-18 HP

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5 HP Tecumseh & 11 GPM pump, #8050 ..... \$265  
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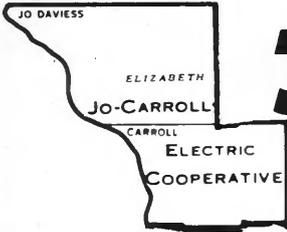
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# Jo-Carroll Hi-Lines

"Serving a Fast Growing Recreation Area"

Jo-Carroll Electric Cooperative, Inc.  
815 858-3311

Elizabeth, Illinois

## Manager's Report

by  
Gary  
Stuva



There's a handy chart printed on page 13 of this month's Jo-Carroll Hi-Lines. It's designed to enable you to keep a continuous record of your monthly electric usage and costs.

Please clip it out and keep it with your other records. When your bill arrives, record the data and forward your payment.

\*\*\*\*\*

By the time you read this your Cooperative's annual meeting will be history. Not only will your member-owned business have completed another official year, but you will have a change in the membership of your

governing board.

If you missed the December 4 meeting in Mt. Carroll, watch for the January issue of Jo-Carroll Hi-Lines, which will spotlight the activities that took place during the annual meeting.

\*\*\*\*\*

Units of measurement such as foot, pound or cup are familiar to most people, because they are used every day and can be seen.

One measurement, however, is used every day but cannot be seen. It's the kilowatt-hour (kWh), the unit of measurement used to determine how much electricity you use.

It's an invisible commodity, but we sure need to draw some comparisons of its relative value. Consider the following examples from T.I.P. Rural Electric Cooperative, Brooklyn, Iowa, of the amount of work a person would have to do to equal one kilowatt-hour:

In the home a person would have to beat a batter mixture at an incredible speed, steadily, for 10 hours to gener-

ate energy equal to one kWh. Using an old-fashioned treadle sewing machine, a person would have to pedal at top speed for 13 hours to generate energy equal to one kWh. A person shoveling a foot of snow off a driveway 10 feet wide does about 23 foot-pounds of work per shovelful (assuming one cubic foot of snow equals six pounds per shovelful). The person would have to clear a driveway two miles long to generate energy equal to one kWh. Imagine a 150-pound person climbing a 1,000-foot flight of stairs. He would have to climb the stairs nearly 18 times to generate energy equal to one kWh.

By using these comparisons, it becomes obvious that whatever we pay for a kWh of electricity is still far and away the biggest bargain in anybody's budget. But electricity, like everything else today, still costs money and it certainly is something to use wisely.

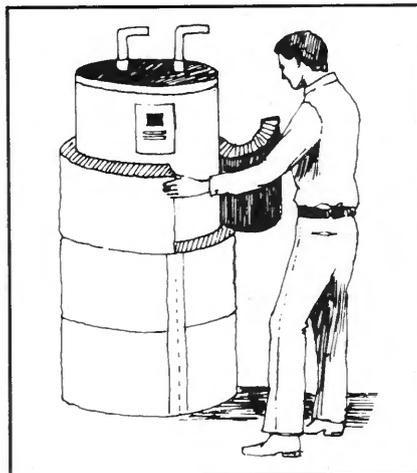
Merry Christmas and Happy New Year!

## Insulation should be installed properly

Adding insulation to household electric water heaters has been recommended as one method of increasing energy efficiency. However, according to NRECA Safety Reporting Service, Underwriters Laboratories (UL) recently has warned that insulation must be installed with great caution.

NRECA Safety Reporting Service is published by the National Rural Electric Cooperative Association, the national service organization of the country's 1,000 rural electric systems serving more than 25 million people in 46 states.

Incorrectly installed insulation might produce damage in the heater's



wiring system and increase fire and electrical risks, according to a UL

senior staff engineer. Electric water heaters usually have their own manufacturer-installed thermal insulation between the water tank and the outer shell. If additional insulation is added incorrectly, temperatures of the heater's electrical components could become excessive, increasing the risk of damage to the electrical wiring system.

If consumers wish to add extra insulation, UL recommends that the insulation be kept away from: (1) heater controls, (2) access covers over the controls, and (3) the connection box where the heater is hooked up to the house wiring.



Lloyd Price, left, has been with your Cooperative for 17 years as a lineman. He is married, has two children, and lives in Elizabeth. He enjoys hunting and fishing, and has received special job and safety training in hot-stick and rubber glove line work. LaVern Suess is an apprentice lineman, who began work for your Cooperative as a tree trimmer a little more than a year ago. He and his wife, Patti, live in Elizabeth, and they have three children: Sarah, Jennifer and Joshua. LaVern's hobbies include guitar, songwriting and birds.

## Your 1983 electrical record

Month	Meter Reading	kWh Used	Amount of Bill	Amount Paid Year To Date	Date Paid	Check No.
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						

Use this chart to keep track of electricity usage, and its cost. When your monthly bill arrives, record the readings, usage, amount of bill and the date paid, along with your check number. This information will be helpful throughout the year.

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K-147 (Sorry, no catalogs to AZ, CA, OR, WA)

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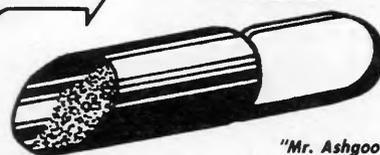
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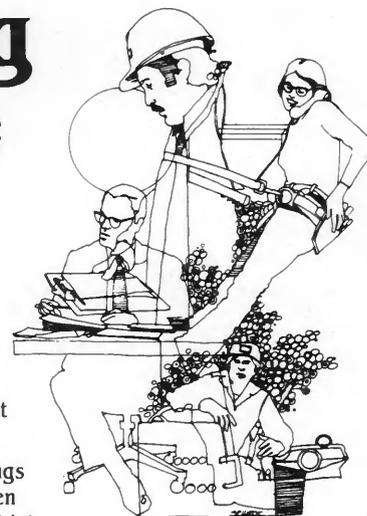
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