

Software: *be sure it does its intended job*

Finding the best software at the fairest price is not an easy task even for veteran computer owners. A wrong choice can mean getting stuck with an expensive but worthless program.

There is no simple solution to this dilemma. But, at the minimum, a computer owner should have some hands-on experience before making a software purchase, says Linda Baskin, University of Illinois Extension computer specialist.

"The best way to evaluate a piece of software is to look at it and try it," she explains. "Before making a purchase, the buyer should know firsthand how easily a particular program carries out the task it is intended to be used for."

Even trying a program out at a store may not be entirely satisfactory because of limitations on the amount of time available for testing.

"In addition to spending time on the computer," she says, "it is also a good idea to get the opinions of people who have used the software over a period of time. Their advice can give you another perspective on what features are important for daily use."

Computer programs, known as software, may run an additional \$2,000-\$3,000. In addition, the owner needs several free hours a week to make adequate use of the system.

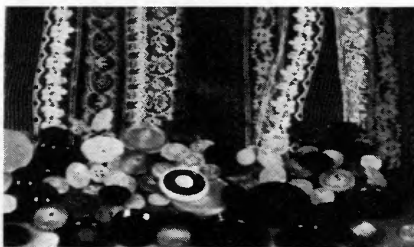
"If that's too much, either in terms of time or money," she emphasizes, "then perhaps you'd do well not to

buy a computer. Certainly not every farm or farmer needs such a system."

On the other hand, if a farm operator thinks that computers are part of the future and wants to get in on it now, he should consider buying a minimum business system and some electronic spreadsheet software.

Such spreadsheets provide the greatest immediate return because they are not difficult to learn and can be used to answer many of the what-if questions that typically arise in planning farm operations.

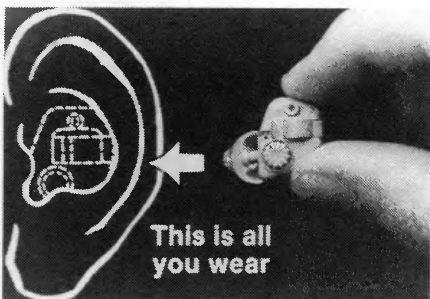
"That is probably in general the lowest cost and highest payoff approach," Steve Sonka says. "Certainly no one should worry that they lack the skills to become proficient with computers. What's important is defining a specific use and spending the time to become familiar with the system's capacities."



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IREN SUPPLEMENT



Bill Williams retires

Williams

Harold "Bill" Williams, journeyman lineman at McDonough Power Cooperative, was honored at the Cooperative's Christmas dinner, Dec. 10.

"Bill," who began his employment with the Cooperative in the summer of 1948 as a lineman, retired Jan. 2.

During his more than 36 years of employment, he has served your Cooperative diligently, putting in many long hours of hard work during times of emergencies. Many of our members are well acquainted with Bill's loyal work for their benefit during times of disaster.

Bill and his wife, JoElla, live in the rural area near Colchester, and are the parents of a son, Tim, and a daughter, Cindy, and proud grandparents of a grandson and granddaughter.

Bill is active in the Colchester Christian Church and has many hobbies. He will no doubt keep very busy in his retirement. We all wish Bill good health and much happiness in his retirement.

The board of directors of the Cooperative adopted the following resolution which was read and presented to Bill by President Donovan Lawyer at the retirement dinner:

WHEREAS, HAROLD H. "BILL" WILLIAMS HAS RETIRED AS JOURNEYMAN LINEMAN OF McDonough Power Cooperative, and

WHEREAS, he made significant contributions to the rural electric program and the welfare and betterment of the members of McDonough Power

Cooperative.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of McDonough Power Cooperative that their sincere appreciation and thanks be extended to Mr. Williams for the faithful, courteous, and efficient services he has rendered to the Cooperative for the past 36 years and eight months.

BE IT FURTHER RESOLVED that this resolution be spread upon the minutes of January 28, 1985, meeting of the Board of Directors as a tribute to Mr. Williams and that a copy of this resolution be given to Mr. Williams and his family.

'Toyland' orchid ideal potted plant

There is a new type of orchid that anybody with two brown thumbs can grow in the home. It is new, just developed by a researcher at the U.S. Department of Agriculture. The new orchid is called "toyland." It is a dwarf orchid that grows in regular potting soil and is easier to grow and care for than African violets.

It is an ideal potted plant for the kitchen window sill. Toyland has near-white, silver-dollar-sized blossoms and never outgrows a four-inch pot. It usually flowers within one to two years after planting and blooms for nine to 10 months of the year. Its attractive flowers are enhanced by white mottled foliage. The plant should be on the market in about a year or two, and it will cost about the same as African violets — \$4-5 in four-inch pots. This new orchid's flower-bearing stem averages six inches, as opposed to the four-to-five-foot long flower stem on a standard orchid. The new orchid took 12 years to develop, and USDA researchers are working with commercial producers on growing the orchid commercially.

Conversation piece:

Program success

(Editor's Note: This article appeared in the Jan. 1, 1983, issue of the Rural Electric Newsletter (an internal weekly newsletter by the National Rural Electric Cooperative Association). To celebrate its 1,000th issue — the publication began April 18, 1958, as the Rural Electric Minuteman — NRECA reprinted the first "Conversation Piece" from the first Newsletter. The conclusion is just as fresh and just as special as it was 27 years ago.

There's a story behind the problems of rural electrification:

Remember the days when there was no electricity in your home? The black chimneys on coal oil lamps? The soured milk? The water bucket? The weak radio batteries?

Remember when there seemed to be no chance of ever getting power? When the electric companies either laughed at you or wanted you to pay for your own line? Chances are you even remember the day you first heard about REA — and how you might get power through your own non-profit system. You remember when your neighbors came around to sign you up, or maybe you were one of those pioneers who helped sign up others.

You got electricity, and with it, a new way of life. You got it by working with your neighbors in a true partnership with the federal government. Through REA, the government loaned your local rural electric system the money to build lines and set up an organization. You've done the rest yourself, you and your neighbors.

A success story — in countless ways. But success did not come just because

ILLINOIS RURAL ELECTRIC NEWS

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ful because people believe in it

the principle was sound or the need was great. From the beginning the rural electrification program has been hounded at every turn.

The same power companies that would not build rural lines themselves have waged bitter and vicious war on the rural electric systems. So have big business interests that hate all farmer cooperatives. And so have many spoils system politicians.

The program has been successful because the people who believed in it were willing to fight. If they had faltered at any point over the past 23 years, the rural electric systems would have been swallowed up. Countless rural homes would have been dark last night.

Today, the war rages hotter than ever. Our enemies are bolder. They think rural people have relaxed now that their primary lines are up. They think you and your neighbors aren't worried about your power supply anymore. They think the time is ripe to move in and take over.

If they're right about this, if rural electric members are taking their systems for granted, if they won't listen to you — then the rural electrification program is doomed.

An electric system cannot be built and forgotten. It's a living thing that has to grow and expand. Skeleton lines are built, and they're all right at first — but then people start using more and more power, and the lines must be heavied up. New power sources must be found. Many parts of the system must be rebuilt.

If the system doesn't grow, it withers and dies because it no longer

meets the needs of the people. If it doesn't grow, motors get hot and burn out, TV screens flicker and fade, electric ranges fail to heat.

It takes money to rebuild lines and keep a power system up to date. More money than it takes to build the lines in the first place. And it takes huge amounts of power to supply the zooming demands of rural people. In rural areas, power use is doubling every five to seven years. Where will the money and the power come from?

That's the vital question in rural electrification today. The systems must have ample loan funds at reasonable interest rates. They must have an assured supply of wholesale power at rates that they can afford to pay.

Frank Fay is new employee



Fay

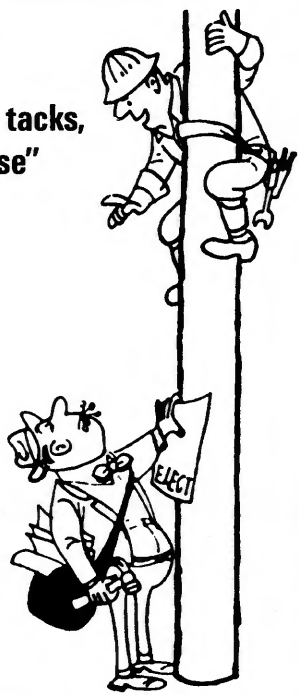
Frank Fay began employment with the Cooperative recently in the operating department as an apprentice lineman.

He is a graduate of Northwest Iowa Technical College in power line installer training, of Sheldon, Iowa.

He and wife Susan have moved to Macomb from Oilwein, Iowa.

We all welcome Frank and Susan to the Cooperative family and hope their years in Macomb will be happy.

"No tacks, please"



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So, please don't put signs on power poles. It's a little thing — but it can endanger men's lives.

Agriculture

(Continued from page 6)

barriers. He said the U.S. should concentrate on expanding exports to the developing countries, and tailoring agriculture products to specific overseas markets.

Those are the kinds of issues that will be addressed at length in the coming year after the Administration sends its 1985 Farm Bill to Congress.

Meanwhile, U.S. farmers are about to take another plunge on the farm income roller coaster. During three years farm income was cut in half, bottoming out at \$16 billion in 1983. In 1984 income swelled to an estimated \$31 billion, a figure inflated by the payment-in-kind program to reduce farm surpluses. That one-year program kept production expenses down by paying farmers in crops to keep land idle. The expected dropoff in such government payments this year is the major reason farm

income is forecast to fall back to about \$21 billion.

The Reagan Administration hopes that expanded exports could bring relief to farmers. But Rudolph Penner, director of the Congressional Budget Office, said at the Outlook Conference that the deficit, which is expected to top \$200 billion this year, skews the economy against exporting industries.

A few years ago, economists generally agreed that heavy borrowing by the federal government would "crowd out" other investors from the marketplace, making credit scarce and expensive. But European investors shifted their money to take advantage of high U.S. interest rates, making more money available for lending in this country.

"None of us anticipated that foreign investors would be so willing to finance our deficit," said Penner. Those foreign funds have kept inflation and interest rates down, but have

also raised the value of the dollar, making U.S. products more expensive to other countries.

"We're better off," said Penner, "But I'm not sure I'd like to try to convince a farmer or a steelworker of that."

Agricultural exports have declined every year since 1980, with the U.S. share of the world crop surplus increasing, reaching nearly 60 percent. The amount of U.S. farm exports is expected to increase about 4 percent this year, largely as a result of a bad crop in the Soviet Union. Crop prices are expected to drop, however, making the total value of U.S. export about 4 percent less than last year.

Food prices are expected to rise at about the same rate as 1984, when they matched the inflation rate of about 4 percent. But that won't help farmers as virtually all of that increase will pay for higher marketing costs.

—Rural Electric News Service

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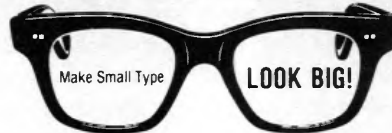
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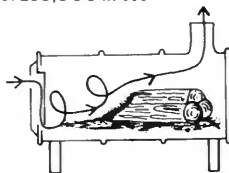
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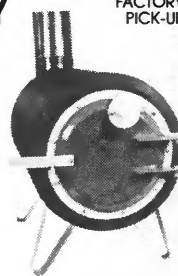
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manager's report

by Robert E. Pendell, Manager

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IREN SUPPLEMENT

Program facing elimination?

REA threatened by Administration plans

New accounts in the nation's capital and throughout the country have the Rural Electrification Administration (REA) targeted as an agency to be eliminated or, at least, to have its budget drastically cut as the Administration attempts to deal with staggering federal deficits.

However, because rural electric loans come from the REA Rural Electric and Telephone Revolving Fund and are off budget, cutting loan levels would have absolutely no effect on the deficit. Guaranteed loans for rural electric power supply cooperatives are made through the Federal Financing Bank, an agency of the U.S. Treasury, at the government's rate of borrowing plus one-eighth of 1 percent, so that curtailing these loans would similarly represent no reduction in the Administration deficit.

Initial accounts in the Washington Post and on at least one wire service indicated that REA was targeted for outright elimination. Later accounts, however, seemed to indicate that the Administration was planning to propose severe cuts in the program.

Although no firm proposals were made available before the President's budget announcement, Congressional sources indicated that the Administration intended to propose an increase in interest rates on REA insured loans to the cost of government borrowing.

Bob Bergland, executive vice president of the National Rural Electric Cooperative Association (NRECA) and chief spokesman for the nation's 1,000 rural electric systems, said that rural electric systems "will vigorously oppose any action to eliminate or weaken the REA program."

"To do so," Bergland continues, "is

absurd from a fiscal, economic or social point of view. Such actions would adversely affect millions of rural electric consumers and rural businesses, in fact, the whole fabric of rural America."

The Administration assault on the rural electrification program is not new. In the first month of President Reagan's first term, David Stockman, the director of the Office of Management and Budget, proposed drastic cuts in the program, proposals that continued for all four years of the first term. Each year, Congress chose to ignore Administration recommendations and provide adequate loan levels for the rural electric systems.

Thwarted on the proposal to curtail the program, the Administration attacked on another front, attempting to force co-ops to acquire at least 50

percent of their loan money from the private money market instead of the REA Rural Electric and Telephone Revolving Fund, a fund established by Congress in 1973 to accommodate the rural utilities whose low consumer density, high investment per consumer and low per-mile annual revenue make them unlikely candidates for Wall Street lenders. Congress responded by ordering REA to maintain loan ratios at previously established levels.

While the rural electric program was under the gun on the budget front, the Rural Electrification Administration itself was also the target of extensive reorganizational efforts to diminish the agency's autonomy. Administration appointees in the Department of Agriculture have taken initiatives to remove REA's budget, administrative and personnel functions and move them into the Farmers Home Administration. According to former REA Administrator David Hamil, the removal of the REA administrator's direct access to the Secretary of Agriculture to defend and preserve the REA budget would be a significant setback.

"These actions," Hamil said, "would make it almost impossible for anybody to administer a program."

The Administration also is considering elimination of the highly valued, highly praised engineering standards division of REA. The division has established and enforced standards of safety, quality and efficiency in the construction of rural electric systems. Its existence has imposed uniformity of standards in both equipment and procedures resulting in savings of millions of dollars to rural electric consumers.

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Your Cooperative will join with the 1,000 other cooperatives throughout the nation during 1985 to honor the first 50 years of rural electrification. May 11, 1985, will be REA's Golden Anniversary.

When President Franklin Delano Roosevelt created the Rural Electrification Administration by putting his signature on Executive Order 7037, he set in motion an idea that was to have a profound impact on the lives of millions of Americans. "To initiate, formulate, administer, and supervise a program of approved projects, with respect to the generation, transmis-

sion, and distribution of electric energy in rural areas."

At the 1985 annual meeting a "Rural Electric Pioneer Awards" ceremony will be held. The following criteria will be followed as guidelines for making the determination.

To qualify for a "Rural Electric Pioneer Award" a person shall have been involved in the early development or organization of the rural electric system, or made other significant or lasting contributions in the early development and advancement of the rural electrification program. Length of service shall also be given due weight in the evaluation process. The person recognized will be an original or early employee, director, member or legislator.

OMB proposals for rural electrics

Although official Administration proposals for the rural electrification program were not available as we pre-

pared this material, a budget document circulated on Capitol Hill by the Office of Management and Budget indicated the Administration will propose the following:

- The rates for insured loans to distribution systems would be raised to the cost of money to the Treasury;
- REA insured loans would be phased out altogether by 1990;
- Borrowers who utilize Federal Financing Bank loans guaranteed by REA would be able to receive only 50 percent of their capital requirements from the government;
- Guaranteed loans would ultimately be phased out altogether; and
- No new loans would be made for power plant or transmission projects.

The Administration also has plans to strip the Rural Electrification Administration of its personnel, administrative and budget functions by moving those functions to the Farmers Home Administration. Elimination of the engineering standards division is also being considered by the Administration.

Statement of nondiscrimination

McDonough Power Cooperative has filed with the Federal Government a Compliance Assurance in which it assures the Rural Electrification Administration that it will comply fully with all requirements of Title VI of the Civil Rights Act of 1964 and the Rules and Regulations of the Department of Agriculture issued thereunder to the end that no person in the United States shall, on the ground of race, color, sex, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the conduct of its program and the operation of its facilities. Under this

Assurance, this organization is committed not to discriminate against any person on the ground of race, color, sex, or national origin in its policies and practices relating to applications for service or any other policies and practices relating to treatment of beneficiaries and participants including rates, conditions and extension of service, use of any of its facilities, attendance at and participation in any meetings of beneficiaries and participants or the exercise of any rights of such beneficiaries and participants in the conduct of the operations of this organization.

Any person who believes himself, or any specific class of individuals, to be subjected by this organization to

discrimination prohibited by Title VI of the Act and the Rules and Regulations issued thereunder may, by himself or a representative, file with the Secretary of Agriculture, Washington, D.C. 20250, or the Rural Electrification Administration, Washington, D.C. 20250, or this organization, or all, a written complaint. Such complaint must be filed no later than 180 days after the alleged discrimination, or by such later date to which the Secretary of Agriculture or the Rural Electrification Administration extends the time for filing. Identity for complainants will be kept confidential except to the extent necessary to carry out the purposes of the Rules and Regulations.

POTATO CASSEROLE

- 6 medium potatoes
- 2 cups grated cheese
- 3/4 cup chopped onion
- 1 cup evaporated milk
- 2 small cartons sour cream
- 1 small jar pimientos
- 1 stick butter or margarine
- Salt & Pepper to taste

Boil potatoes. Peel and grate. Add remaining ingredients. Bake at 375 degrees for 45 minutes.

HOT TAMALES

- 1 can hot tamales
- 1 can cream-style corn
- Cheese slices

Layer tamales and corn in casserole dish. Pour hot tamale juice over this. Bake 1 hour at 300 degrees. Last 5 minutes top with cheese and melt.

MEXICAN BEEF CASSEROLE

- 2 lbs. ground beef
- Onion flakes or 1 medium onion, chopped
- Garlic salt
- 1/2 lb. American cheese, grated
- 1 pkg. Taco-flavored Doritos
- 1 can cream of chicken soup
- 1 can cream of mushroom soup
- 1 can Rotel tomatoes with green chili peppers
- 3/4 can water

Fry ground beef in skillet until redness disappears. Place in bottom of baking dish. Sprinkle onion flakes and garlic on beef. Sprinkle half of the cheese on this. Crush Doritos and sprinkle half on top of cheese. Mix soups, Rotel tomatoes and water together and pour over chips. Add rest of cheese and crushed chips. Bake at 350 degrees until brown.

BROWN HAMBURGER STEW

- 1 lb. ground beef
- 1/4 cup flour
- 2 tablespoons salt
- 1/4 teaspoon pepper
- 2 tablespoons fat
- 1 1/2 cups water
- 3 carrots, sliced
- 3 potatoes, diced
- 2 onions, sliced
- 1 turnip, sliced
- 2 cups tomato juice

Mix meat with flour, salt and pepper. Brown in fat, stirring as needed. Drain off fat. Add water and carrots. Cover and simmer for 10 minutes. Add other vegetables and simmer until crisp and tender, about 10 minutes. Add tomato juice, heat and serve. Makes 6 servings.

SPICY BARBECUED RIBS

- 1 cup catsup
- 2 tablespoons Worcestershire sauce
- 1/4 cup prepared mustard
- 1 1/2 tablespoons cider vinegar
- 1 tablespoon prepared horseradish
- 1 teaspoon sugar
- 3/4 teaspoon garlic powder
- 1/2 teaspoon salt
- 1/8 teaspoon ground black pepper
- 3 to 4 lbs. spareribs

Combine catsup, Worcestershire sauce, mustard, vinegar, horseradish, sugar, garlic powder, salt and pepper. Preheat oven to 450 degrees. Place ribs on a rack in a shallow roasting pan. Bake, uncovered, for 15 minutes. Turn over and bake 15 minutes longer. Remove from oven; drain off drippings. Reduce oven to 325 degrees. Spoon half of barbecue sauce over ribs. Bake uncovered for 10 minutes. Turn, and brush remaining sauce over ribs. Bake until glazed well and done, about 20 minutes. To test for doneness, make a cut near the center and be sure no pink remains.



MACARONI CASSEROLE

- 2 pkgs. (8 oz.) large macaroni
- 2 cans cream of mushroom soup
- 1 1/2 lbs. sharp cheese, grated
- 1/2 cup butter
- 2 large green peppers
- 2 large onions, chopped
- 2 jars pimento (4 oz. jars)
- 2 (8 oz.) cans water chestnuts
- 2 (4 oz.) jars button mushrooms, sliced and drained

Cook and drain macaroni. Stir half of the soup and cheese into warm macaroni. Saute onions and peppers in butter, add sauted vegetables with the remaining ingredients to macaroni mixture. Place in casserole and cover with remaining soup and cheese. Bake uncovered at 350 degrees for 30 minutes or until bubbly. Before baking, I usually add some milk to keep it from being too dry. Serves 12 to 16.

OLD FASHIONED BUTTERMILK PIE

- Unbaked 9" pie shell
- 2/3 cup granulated sugar
- 3 tablespoons flour
- 1/4 teaspoon salt
- 3 egg yolks
- 2 teaspoons vanilla flavoring
- 3 cups buttermilk
- 1/4 cup melted butter or margarine
- 3 egg whites

Heat oven to 425 degrees. With fork, blend sugar, flour, salt; stir in yolks (beaten slightly), vanilla, buttermilk, butter. Beat whites stiff, not dry; slowly beat in yolk mixture. Turn into shell. Bake at 425 degrees 10 minutes, lower to 325 degrees for 30 minutes or until knife inserted in center comes out clean. Cool.

MILLIONAIRE CANDY

- 1/4 cup evaporated milk
- 16 oz. caramels
- 2 cups pecans
- 7 9 oz. Hershey chocolate bars
- 1/4 stick paraffin

Stir milk until creamy smooth, then add caramels and pecans in a double boiler, and mix well. Drop mix on waxed paper by teaspoonfuls and let cool. Mix paraffin and chocolate in double boiler until melted, then dip caramel candy into this mixture, and let cool on the wax paper.

WATERGATE CAKE

- 1 pkg. white cake mix
- 1 pkg. (3 1/2 oz.) pistachio pudding mix
- 1 cup salad oil
- 3 eggs
- 1/2 cup chopped pecans
- 1 cup club soda

Mix all ingredients and beat 4 minutes at medium speed. Bake 45-50 minutes at 350 degrees.

FROSTING

- 2 envelopes topping mix
- 1 1/2 cups cold milk
- 1 box of pistachio pudding mix

Blend all ingredients and beat well.

PINK YUMMY SALAD

- 1 pkg. cherry Jell-O
- 1/4 cup sugar
- 1 small can crushed pineapple
- 1 tablespoon lemon juice
- 1 cup water
- 1 3-oz. pkg. cream cheese
- 1/2 pint whipped cream

Mix together sugar, pineapple, lemon juice and water. Boil for 5 minutes. Add Jell-O and cool until almost thick. Then beat in cream cheese with mixer. Fold in whipped cream. Pour into mold and chill 4 to 5 hours.

STRAWBERRY DELIGHT

- 2 pkgs. strawberry Jell-O
- 2 cups hot water
- 2 pkgs. frozen strawberries (thawed)
- 1 pint whipped cream
- 1 angel food cake, broken into small pieces

Dissolve Jell-O in hot water. Allow to thicken slightly. Add berries, whipped cream and cake, which has been broken into small pieces. Pour mixture into tube pan and allow to set overnight, or until completely firm.

FRUIT COCKTAIL CAKE

- 1 1/2 cups sugar
- 1 teaspoon soda
- 2 well-beaten eggs
- 1 can fruit cocktail
- 3/4 cup chopped nuts
- 3/4 cup brown sugar
- 1 teaspoon vanilla
- 2 cups flour
- 1/4 teaspoon salt

Mix together sugar, flour, soda, salt, eggs and fruit cocktail. Put in greased and floured 9 x 13 pan. Then mix brown sugar and chopped nuts and put on top of cake and bake at 350 degrees until done.

Icing:

- 1 stick oleo
- 1/2 cup milk
- 3/4 cup white sugar
- 1 can angel flake coconut

Combine ingredients and let boil 2 minutes. Put on top of cake while still hot. Bake 5 minutes or more.

EASY COCOA CAKE

- 2 cups flour
- 2 cups sugar
- 1 teaspoon soda
- 2 sticks margarine
- 4 tablespoons cocoa
- 1 cup water
- 2 eggs
- 1 teaspoon vanilla
- 1 cup buttermilk

Icing:

- 1 stick margarine
- 4 tablespoons cocoa
- 6 tablespoons milk
- 1 box confectioners' sugar

Sift together flour, sugar, and soda. Set aside. Heat until almost boiling margarine, cocoa and water. Add to first mixture. Add eggs, vanilla and buttermilk and beat well. Pour into greased pan and bake at 400 degrees for 20 minutes. For icing combine cocoa, milk and margarine and heat to a boil. Remove and add confectioners' sugar.

BUTTERSCOTCH PIE

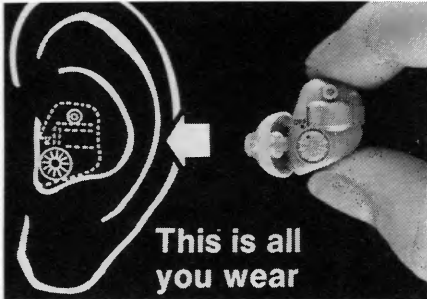
- 1 9-inch pastry shell, baked
- 1 1/2 cups sugar
- 4 tablespoons flour
- 1/4 teaspoon salt
- 1 1/2 cups milk
- 2 tablespoons butter
- 1 teaspoon vanilla
- 1/2 cup water
- 2 beaten egg yolks
- Meringue made with 2 egg whites

Brown 1/2 cup sugar in heavy skillet. Add water to sugar. Boil until all sugar dissolves. Do not stir. Add milk. Stir small amount of mixture into yolk, return to hot mixture and cook 2 minutes, stirring constantly. Mix sugar (1 cup), flour and salt together. Add to mixture in thirds, stirring. Cook until smooth and thick. Add butter and vanilla. Pour into cooled baked pastry shell. Spread meringue on top of pie and bake at 350 degrees for 12 to 15 minutes.

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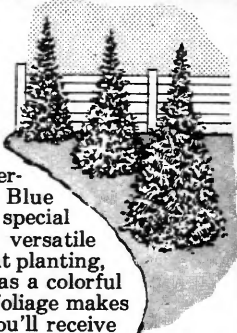
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manager's report

by Robert E. Pendell, Manager

watts no

IREN SUPPLEMENT

Board updates service call charge policy

At the December 1984 board meeting the Board of Directors updated the Job Order Procedure and Overtime Calls policy to the following:

"Job Orders will be assigned when it is necessary to perform work for a member or other person or party that involves changes, additions or adjustments to Cooperative plant and for which the requesting party will be billed. (For example, pole, line, or guy moves, building moves.)

RATES:

Labor	\$22/man hr.
	\$30 Overtime
Mileage	\$.65/mi.
	(T. 10, 20, 80)
Hydraulic equip.	\$60/hr.
	(T. 50, 60, 200)
Trencher	\$.50/ft.

OVERTIME CALLS: Charges will be made for overtime calls that are requested by the member for a con-

nect or reconnect, or for restoring service due to fuses, breakers, or equipment that is normally under the member's control. The member will be queried on his efforts to restore service by checking fuses and breakers, and given as much help and advice as necessary to accomplish this. Should the member elect to have the Cooperative restore the service, the member will be advised to the overtime charges and must agree to them before dispatching a crew. The charges for overtime calls will be a minimum of \$78 plus any materials used. Overtime calls for reconnect of a delinquent account will be made only if the member agrees to pay the delinquent account, plus the overtime time service charge at the time the reconnect is made. The alternative to the overtime call is to have the service restored during regular working hours, when the charge is \$22.

'Thanks' for valuable help

"Thank you" to the Warren County Highway Department, which opened the roads for our truck to get to member Jim Ryans to restore a broken line on the night of Jan. 19.

"Thank you" to Delbert Leath, Floyd Township Road Commissioner, who opened the roads for our truck to get to a few members in Floyd Township to restore power on Jan. 20.

"Thank you" to Dale Wisslead and Kenneth Baker of the Sciota Township Road Commission, who opened roads for our truck, north of Sciota on the night of Jan. 19 to get to the home of Dave Farquhar to make repairs.

The help of these people, when snow was blowing and drifting and

temperatures below zero, made it possible for our trucks to get to the required areas.

On Jan. 25, when state highways were closed due to blowing and drifting snow, the McDonough County Highway Department and Warren County Highway Department opened roads for the Cooperative trucks to repair lines in the northern part of our area.

Office closing

The cooperative office will be closed Friday, April 5, in observance of Good Friday. Have a happy Easter, Sunday, April 7.



Convenience and price

For the cost of a \$2 tube of pain-relieving ointment you can raise and lower your garage door electrically about 1,890 times. Or twice daily for two and one-half years.* Is that convenience worth the price? If you are like most people and want to stay warm and dry in your car while it is snowing or raining, or if your back isn't quite up to the task, the benefit outweighs the cost considerably. Stormy night after stormy night, ache after ache.

That's the wonderful thing about clean, efficient electricity. It helps you complete tasks easier and usually quicker than you can do them by hand, opening cans, washing and drying dishes and laundry, trimming hedges, sawing lumber and even cranking the ice cream freezer at your family gathering so you can save your arm for the softball game.

Electricity plays an important role in our standard of living because you place a tremendous value on its accomplishments. Not only does it help provide your family comfort, entertainment and health, it reduces your work and grants you more free time. Is the cost of electricity worth all of that? Only you and your family can decide, but, remember, you are saying yes every time you buy an appliance or flip a switch.

*Based on 9 cents per kilowatt-hour

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Vacationing? Take time to plan ahead



A most popular question recently has been, "Why was my electric bill so high?" This is especially a reasonable question to ask if you were away during the day or maybe gone six to 10 days. Most people believe that if they are away their electric meter should almost completely stop. However, this is not the case. When you get your bill, ask yourself a few questions to try to determine what is really happening.

The first thing to do is to determine the number of days in the billing period. Then figure your average daily usage. Most families set a pattern of usage that is pretty consistent from year to year. There could be three to four extra days in the billing period that would make the bill higher. Temperature and weather conditions have a great deal to do with electrical consumption.

If you plan to be away two days or more, turn your cooling system off or at least turn up the thermostat control

three or four degrees. There is no need to cool the home if no one is there to enjoy it.

Was your electric water heater turned off while you were away? If not, it will continue to use electricity because it is thermostatically controlled. It will use a surprising amount of electricity just maintaining the temperature of the water.

Was the electric refrigerator unplugged? If it is left on, it will continue to run and keep your food cold. Was the frost-free freezer turned off? Frost-free freezers and refrigerators will continue to operate while you are enjoying the beach. Many frost-free refrigerators are on six-hour cycles, defrosting and then cooling again within a few minutes. These units work harder if the air-conditioner is off and the room is warmer than usual.

Were other appliances such as clocks, pumps, automatic lighting, power attic ventilators left on while you were gone? These items seem

small but can use considerable kilowatt-hours.

If you want to make absolutely sure no electricity is used while you are away, just trip the main breaker or pull the main fuse that supplies your home. If you do this, just remember that your refrigerator and freezer will defrost so make arrangements for any perishable items. Also, your automatic lights will not come on and your dehumidifier will not keep the basement free of excess moisture.

It is also a good idea to get into the habit of reading your own meter at approximately the same date each month. If you are going away, read it before you leave and when you return. This will show you exactly what was used while you were away.

Before you leave and when you return, the washer, dryer, and water heater all usually get a heavy workout, which may compensate for electricity saved while you were away. Be wary of comparisons to neighbor bills. No two households are ever the same. Lifestyles vary and so do appliance efficiencies.

Remember, even though you are not there the silent, invisible force "electricity" is there to assure that certain necessary appliances in your home keep running.



MILLIONAIRE PIE

1 can Eagle Brand milk
 1/2 cup lemon juice
 1 can fruit cocktail

1 cup nuts, chopped
 9 oz. Cool Whip
 1 can coconut

Combine and pour in graham cracker crust. Makes two pies.

PIE CRUST

1 cup flour
 1 stick butter or margarine

1/2 cup chopped nuts
 1/2 cup powdered sugar

Mix and add enough water so you can pat the crust into a pie pan. This can be baked and used for any filling or filling may be baked in shell.

BOILED CUSTARD

1 qt. milk
 1 cup sugar
 4 egg yolks

2 tablespoons flour (level)
 1/2 teaspoon almond extract
 1/2 teaspoon vanilla

Heat milk. Beat yolks with a little cold milk. Mix sugar and flour, add to heated milk. Cook until it coats a spoon. Add flavorings. Pour into a bowl, cool. Do not overcook!

OLD FASHIONED LEMON PIE

2 cups sugar
 1/2 cup butter
 3 soda crackers, crumbled

Juice of 2 lemons
 6 well-beaten eggs

Cream sugar and butter together. Add crackers, juice and eggs. Pour into unbaked pie crust. Bake 30 minutes at 350 degrees.

ANGEL BISCUITS

5 cups flour
 1/4 cup sugar
 3 teaspoons baking powder
 1 teaspoon soda
 1 teaspoon salt

1 cup shortening
 1 cake (or pkg.) yeast
 2 tablespoons warm water
 2 cups buttermilk
 1 stick melted oleo

Sift dry ingredients together. Blend in shortening. Dissolve yeast in water, let stand 5 minutes. Add to buttermilk. Mix yeast and add to flour mixture. Mix well. Turn out on floured board. Roll out and cut. Dip biscuits in melted oleo. Bake at 450 degrees for 12 minutes. NOTE: Bake at once or let stand. Once prepared can be wrapped in foil and frozen. P.S. Don't forget the salt.

FRUIT DIP

2 cups (7-oz. jar) marshmallow cream
 1 8-oz. pkg. cream cheese

1 tablespoon orange rind, grated
 dash of ginger

Gradually add marshmallow cream to softened cream cheese. Mix well. Add other ingredients. Whip until fluffy. Serve with fresh fruit or frozen melon balls.

COCONUT BALLS

1 box coconut
 1 box powdered sugar
 1/2 can condensed milk
 2/3 stick butter (melted)

1 cup chopped nuts
 1 small pkg. semi-sweets
 1 block paraffin

Combine sugar, coconut, and pecans in mixing bowl. Add milk and butter. Mix well and form small balls. Let set a few minutes and melt paraffin and semi-sweets, then dip balls with a tooth pick.

PRALINES

2 cups white sugar
 1 cup buttermilk
 1 teaspoon soda

Pinch salt
 2 tablespoons butter
 1 1/2 cups pecans or fresh coconut

Mix sugar, milk and soda and stir constantly until it comes to a fast boil. Add butter, salt and nuts, continue to stir and cook until it forms a soft ball when a little is dropped in cold water. Set off for about 2 minutes, beat until creamy. Drop by spoonfuls onto wax paper.

CHOW-MEIN CASSEROLE

1 (16-oz.) can beef chow mein
 1 cup uncooked rice
 1 1/2 lbs. ground beef
 1 (8-oz.) can tomato sauce
 1 med. onion, chopped

1/2 teaspoon black pepper
 1/2 teaspoon paprika
 1 tablespoon salt
 (more or less to taste)
 4 (1-oz. each) slices cheese

Bring to boil 5 cups water, add rice, cook until done. Remove from heat, let stand 20 minutes. In lightly greased heated skillet, add ground beef. Add 1/4 cup water to start cooking process. Cook till light brown, remove from heat. Mix cooked rice, onion, pepper, paprika and salt in a large bowl. Add ground beef, chow mein and tomato sauce, mixing well. Pour into baking pan. Cut each slice of cheese into 3 strips, place on top of mix. Bake in pre-heated 350 degree oven 30 minutes. Serve hot with favorite vegetables or salad to 12.

BAKED BEANS

2 strips bacon
 1/2 cup chopped onion
 1/3 cup chopped bell pepper
 1/2 to 2/3 lb. ground beef
 1 cup catsup

1 teaspoon mustard
 2 teaspoons sugar
 1 teaspoon Worcestershire
 Salt and pepper to taste
 1 large can Campbell's pork and beans

Fry bacon. Brown onion and pepper in fat. Remove from skillet and brown beef, add bacon, onion and pepper. Add remaining ingredients and simmer about 2 hours.

APPLESAUCE CAKE

1/2 cup shortening
 1 cup sugar
 1 3/4 cups flour
 1/4 teaspoon nutmeg
 1/2 teaspoon soda
 1 teaspoon cinnamon

1/8 teaspoon salt
 1 teaspoon flour
 1 cup raisins
 1 cup applesauce
 1 egg

Cream shortening and sugar. Add beaten egg. Add applesauce to which soda has been dissolved. Sift flour with spices and salt. Add to batter. Dredge raisins in teaspoon flour and fold into batter. Bake in floured and greased pan at 350 degrees for 1 1/4 hours.

ZUCCHINI SQUASH BREAD

3 eggs
 2 cups sugar
 2 cups zucchini, shredded
 1 cup oil
 2 teaspoons vanilla
 3 cups flour

2 teaspoons cinnamon
 1 teaspoon salt
 1/4 teaspoon baking powder
 1 teaspoon soda
 1 cup chopped nuts

Mix first 5 ingredients together slowly, adding flour. Add remaining ingredients. Pour into 2 greased loaf pans. Bake at 325 degrees for about 1 hour. Zucchini does not have to be peeled. Makes 2 loaves.

RICE CASSEROLE

2 boxes of Uncle Ben's Wild and
 Combination rice
 4 whole pieces celery, chopped
 2 large onions, chopped

2 sticks butter
 2 1/2 cans mushroom soup
 2 large cans mushrooms, drained
 1 1/2 lbs. Velveeta cheese

Cook rice as directed and set aside. Cook celery and onions in butter. Mix soup, mushrooms and cheese together. Cook until cheese melts. Combine all 3 steps and bake at 350 degrees for 1 1/2 hours.

BROCCOLI CASSEROLE

2 boxes chopped broccoli, cooked
 1 onion, sauted
 1 can cream of chicken soup

1/2 cup milk
 2 cups cooked rice
 1 lb. Velveeta cheese

Mix all together leaving part of the cheese for top of casserole. Put in baking dish. Top with remaining cheese. Bake at 350 degrees for 30 minutes.

TAGLIARINI

2 lbs. ground beef
 2 small onions, chopped
 2 cloves garlic, minced
 2 teaspoons bacon grease
 Pinch of oregano
 Dash of cumin
 Dash of marjoram
 1 teaspoon chili powder
 1 teaspoon salt

Dash pepper
 1/2 cup red wine
 1 cup tomato sauce
 1 can creamed corn
 1 can olives, chopped (4 1/2 oz.)
 1 can mushrooms (2 oz.)
 1 pkg. noodles, cooked (1 lb.)
 1 cup cheese, grated

Brown meat, onions and garlic in bacon grease. Mix remaining ingredients together, except cheese. Place in casserole dish. Sprinkle cheese on top and bake covered for 1 hour at 300 degrees.

LEMON CHESS PIE

2 cups sugar
 1 teaspoon flour
 1 teaspoon corn meal
 1/4 cup lemon juice (2 lemons)

4 eggs
 1/4 cup melted oleo
 4 tps. lemon rind, grated

Toss sugar, flour and corn meal lightly. Add eggs and beat well. Mix together oleo, lemon rind and lemon juice. Add to flour mixture. Mix well. Pour into unbaked pie shell. Bake at 350 degrees for 35-40 minutes.

HAWAIIAN

KAUAI CHICKEN

2 lbs. choice chicken pieces
 1 teaspoon garlic salt
 1 teaspoon paprika
 1/4 teaspoon pepper
 2 tablespoons vegetable oil
 1 large onion, sliced
 1 1/2 large green peppers, cut in thin strips

1 cup diagonally sliced celery
 1 1/4 cups chicken broth
 2 tablespoons cornstarch
 3 tablespoons soy sauce
 2 large fresh tomatoes, cut in eighths
 3 cups hot cooked rice

Remove skin and bones from chicken. Cut meat in thin strips. Season with garlic salt, paprika, and pepper. Saute chicken in oil about 1 minute or until tender. Add onion, green peppers, celery and 1/2 cup broth. Cover and steam for 1 1/2 minutes. Blend remaining broth with cornstarch and soy sauce. Stir into chicken vegetable mixture. Add tomatoes; cook and stir about 1 minute or until sauce is slightly thickened. Serve over beds of fluffy rice. 6 servings.

OAHU SKILLET DISH

1 lb. lean ground beef
 1/4 teaspoon garlic powder
 1 cup sliced onions
 1 green pepper, cut in 3/4-inch pieces
 1 pkg. frozen cauliflower (10 oz.)
 2 large tomatoes, cut in eighths

1/4 cup soy sauce
 2 tablespoons cornstarch
 1/2 teaspoon sugar, optional
 1 1/2 cups beef broth
 3 cups hot cooked rice

Saute meat, garlic powder, and onions about 5 minutes. Add green pepper, cauliflower (separated into smaller pieces), tomato wedges, and soy sauce. Stir lightly to coat vegetables with soy sauce. Cover pan and simmer until vegetables are tender crisp, about 5 minutes. Blend cornstarch, sugar and broth. Add to meat mixture. Cook, stirring constantly until thoroughly heated and sauce is thickened. Serve over beds of fluffy rice.

CHEESE-BACON SPREAD

1 8-oz. carton sour cream
 1/2 cup mayonnaise
 1 cup shredded cheddar cheese
 4 slices bacon, cooked and crumbled

1/4 cup chopped toasted almonds
 1 tablespoon chopped green onion tops
 1/4 teaspoon salt
 Bran bread

Combine first 7 ingredients, and blend well. Spread on bread. Yield: 2 cups of filling.



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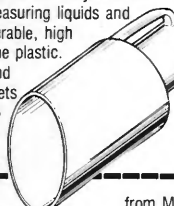
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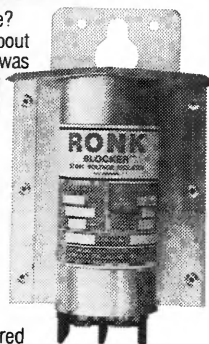
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manager's report

by Robert E. Pendell, Manager

watts n

IREN SUPPLEMENT

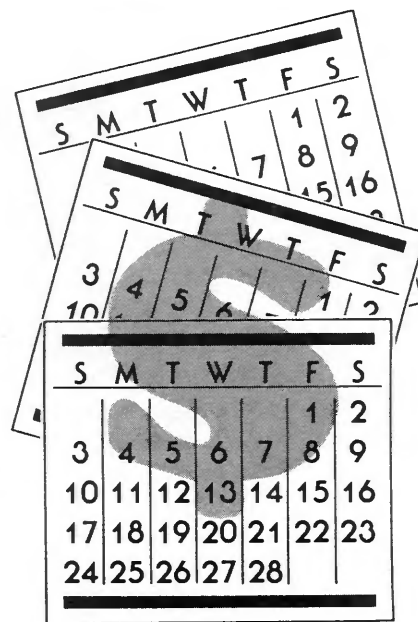
Wanted: consumers who want to save money

If you do not pay your electric bill by the time it is due, you sacrifice the 5 percent discount given our consumers for paying on time. Not only that, but McDonough Power Cooperative personnel must visit your location when readings and payments are late, creating additional expense for the cooperative which must be passed along to all consumers.

Much time and money is spent collecting delinquent bills or making

arrangements for deferred payments. Remember: If the cooperative has extended the courtesy of deferred payment, these must be made on time and your current bill paid, or you forfeit your privilege.

So do yourself and your neighbor a favor: Pay your bill by the time it is due and don't deprive your family of extra money by paying an additional 5 percent on your electric bill. It saves money for you and other members.



Don't let your payment get to the 'dead letter' office

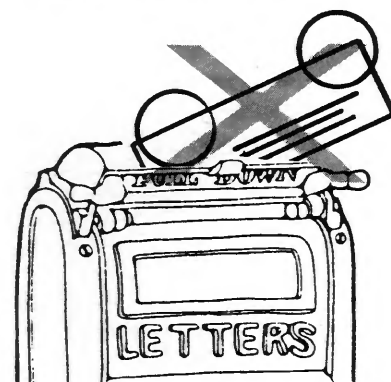
Ever wonder what happens if you forgot to put a stamp and return address on the envelope when sending your payment?

We often wonder, when we send a delinquent bill and the member calls the office to say the payment was mailed in sufficient time that it should have been received before the due date, if something was forgotten. If you did not place a stamp on the envelope

or have your return address in the proper place, your payment might go to the dead letter office.

There is a lesson for all of us here. Always be sure to put a stamp on — the post office will not deliver without postage. Always include your return address on the envelope. That way the letter carrier can bring it right back for postage. Otherwise, the delay could result in late payment charges. It is

surprising how many envelopes without return addresses we receive. Proper addressing of the envelope also helps to prevent delay. Proper use of state



Patronage refunds assigned to accounts

The bylaws of the Cooperative state that the Cooperative pay patronage refund to each member all such amounts in excess of the amounts needed to establish general reserves. This amount shall not be less than 15 percent nor more than 20 percent of the total utility plant in order to pay actual patronage refunds.

Patronage refunds have been paid all members through the year of 1964.

The patronage refund factor for the year of 1984 is .075676 percent. This

percentage factor is multiplied times the amount of revenue you paid the cooperative for electricity during the year of 1984. This amount is assignable only on the books of the cooperative for the year. No actual payment would be made as the reserves do not meet the above mentioned percentages at this time.

If you wish to know what amount is assigned your account, please get in touch with the cooperative.

abbreviations and zip codes help your mail to be delivered earlier. Never send cash; obtain a cashier's check or money order. Think of all the confusion and accusations that can develop when cash is sent through the mail. Always allow at least five days for your mail to reach its destination when sending payments which have a due date.

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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

Trees and lines make dangerous combination

A frequent cause of electrical outages is the careless felling of trees into power lines. This is usually done by well meaning people cutting firewood. If you are going to cut a tree near a power line, please call the Cooperative. We will provide assistance.

Trees and power lines do not mix. If a tree branch falls into a line, you and your neighbors could be without electricity for several hours, depending on the extent of damage. If a tree branch even touches the line because of wind, rain or ice, a temporary interruption of service could occur. Power lines are protected by a fuse or a circuit breaker. When a tree branch makes contact with a line, the circuit breaker will temporarily break the circuit, causing your lights to blink.

A circuit breaker will allow two temporary breaks, but the third time it breaks the circuit permanently. If this happens, you will be out of service until a lineman can locate the fault and reset the circuit breaker.

McDonough Power Cooperative will trim a tree that could fall or grow into the power lines. Clearing right-of-way must be done in order to continue to provide reliable electrical service. Tree trimming and brush control are an important maintenance program at your cooperative.

Leave line moving to professionals

Never let anyone stand on the ground and try to lift power lines with a stick, pole or rod while moving machinery. It could mean instant death.

Make sure your equipment will



Tornado season

When a tornado approaches, your immediate action can save your life!

In homes, open some windows, but stay away from them, and take shelter in the basement or under heavy furniture in the center area of the house.

In schools, move quickly, following advance plans, to shelter areas or to an interior hallway on the lowest floor.

In office buildings, go to an interior hallway on the lowest floor or to a designated shelter area.

In factories, move quickly, following advance plans, to shelter areas. Post a lookout, if this can be done

without endangering anyone.

In shopping centers, go to a designated shelter area, not to your parked car.

Mobile homes are particularly vulnerable to overturning during strong winds and should be evacuated when strong winds are forecast. Damage can be minimized by securing trailers with cables anchored in concrete footings. If there is no shelter nearby, leave the trailer park for low, protected ground. Many trailer parks provide a building in which you may go for protection.

In open country, move away from the tornado's path at a right angle. If there is no time, lie flat in the nearest depression with your hands shielding your head. Be alert for flash floods.

During a severe thunderstorm or tornado emergency, listen for radio and television broadcasts or latest National Weather Service bulletins.

clear by several feet before you proceed to move under any power lines.

Where power lines are in the way, or will be in the way, please call McDonough Power Cooperative's office.

Six WIPCO directors, counterclockwise from far right: Harvey Vortman of Bluffs, Donald Willard of West Point, Les Aeilts of Carthage, Stanley Otten of Modesto, Robert Smith of Barry and Roy Goode of Virden.



25 years of achievement for

The past quarter century has been a period marked by several key milestones for Western Illinois Power Cooperative (WIPCO), a Jacksonville-based generation and transmission electric cooperative serving seven Western Illinois distribution cooperatives.

Robert E. (Ed) Gant of Winchester, president of the WIPCO board, said during his report at the cooperative's 25th annual meeting March 5 in Jacksonville that over the 25 years there have been many significant achievements for the benefit of the distribution cooperatives' members. Addressing representatives of the seven member-systems, Gant noted several

accomplishments, including: construction of the Pearl generating station on the Illinois River, development of the WIPCO transmission system, collective billing procedures, establishment of long-term power agreements for capacity needs with area power companies and municipal utilities, addition of capacity at Pearl, WIPCO's partnership in the Clinton Power Station, and the cooperative's new agreement for power pooling with Soyland Power Cooperative.

Gant said the developments of WIPCO over the 25 years had produced positive results for the seven member-systems, not only in the past but also for the future.

"WIPCO entered in the agreement with Soyland (a federation of 15 Illinois electric cooperatives) to pool their resources and operate as one entity in an effort to provide power to their 22 distribution cooperative-members at the lowest possible cost," he said. The allied power cooperatives have successfully negotiated long-term power pooling and transmission agreements with Illinois Power Company entitling the combined entity to the use of about 400 megawatts of IP's existing fossil-fired generating plants, he added. "Those agreements were effective this past January 1 and we believe they will help to hold down the rate of increase in the cost of

ILLINOIS RURAL ELECTRIC NEWS

achievement

became the most steady, reliable worker the farmer or rancher had ever known.

The fears that no one would ever use all the electric "juice" flowing through the new co-op's power lines were dispelled as rural men and women flocked to the appliance stores on Main Street to purchase appliances and equipment.

'As soon as we got Momma an iron, we got a radio'

When rural people referred to "The Radio," wrote essayist E. B. White, they meant "a pervading and somewhat godlike presence which has come into their lives and homes."

"The day we got our radio," wrote one farm wife, "we put it in the kitchen window, aimed it out at the field, and turned it on full blast. During the first week, the men hated to be out of the sound of it."

Without doubt, the radio was the most desired and the most influential of all of the wondrous new appliances that came to the country with rural electrification.

"As soon as we got Momma an electric iron, we got a radio," was often heard. Indeed, the iron barely nudged out the radio as the most popular purchase. In home after home, Crosleys or Philcos became not only a center of information and entertainment but a place to proudly display family photos or other mementos.

The Rural Electrification Administration recognized the potential as early as 1936, noting that "the city dweller looks upon radio solely as a means of entertainment; the farmer relies upon it for the betterment of his economic status as well."

Only two years later, REA reported a remarkable statistic: A survey of co-ops found that 86 percent of their members had a radio — even though the average project had been operating only eight months!



The radio became a center of many rural families' social life.

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manager's report

by Robert E. Pendell, Manager

watts n

IREN SUPPLEME

Lightning-caused surges can damage microchips

The average lightning bolt has enough current to light 100,000 60-watt bulbs. The peak recorded stroke has four times that much. The average duration of lightning is three-tenths of a second. According to engineers at the U. S. Department of Agriculture, your home needn't be hit for your household equipment to be affected. You may have noticed during a thunderstorm that your lights flicker. That means there has been a power surge caused by lightning. It lasts but an instant, but that surge can damage microchip circuitry in your home computer, telephone answering device — or anything else that uses microchips.

To minimize the threat, the surest

way is to disconnect or at least turn off anything with microchip circuitry during a severe thunderstorm. You can also buy a device that plugs into AC outlets and protects the computer and other microchip circuitry. Be sure it is UL listed, or its equivalent. The operation of such a device may cause a circuit breaker to trip making its use on a branch circuit with a freezer or refrigerator inadvisable, unless you are planning to defrost anyway. Although the answering device on your phone is vulnerable, the telephone itself has a reasonable level of protection due to a device on the side of your house, put there by the telephone company. There is less protection if you are

using the new extra-cheap phones. Cable TV, if not installed in accordance with the National Electrical Code, can present a major risk of set damage from lightning. CB radio and ham radio antennas also present an increased exposure to lightning damage. As to how serious the damage is, the most common is program upset. No equipment is harmed, but a home computer program, for example, does illogical things for no apparent reason, or answering device turns itself off. The next most probable damage is equipment damage requiring a service call to replace burned out components. The old-fashioned lightning rod on your house is still the best protection from direct hits to your house. But you have to maintain it. Check the connections to make sure they do not corrode open so your protection is lost.



©United States Postal Service 1985

First day sale of this commemorative postage stamp is May 11, exactly 50 years after President Franklin D. Roosevelt signed the executive order creating the Rural Electrification Administration. When he unveiled the stamp's design during the NRECA annual meeting in New Orleans, Assistant Postmaster General Eugene C. Hagburg said, "REA can be justifiably proud of its role in improving this nation's economy. By working together, American farmers and the government have demonstrated that great things can be accomplished."

Insects a major threat to weakened trees, shrubs

This year's weather was rather hard on trees in many areas. Trees weakened by storm damage or other injury need protection from bark- and wood-boring insects.

The U. S. Department of Agriculture suggests you use any garden-type insecticide whose container label recommends it for use against these insects. Spray the trunks of small trees and the major branches, limbs and trunks of larger trees. This may help to save some injured trees, especially those with thin bark.

For more detailed information on the control of wood and bark boring insects, consult your county extension agent.

Take a look at your ornamental trees, too. Prune flowering trees after they bloom. Some trees produce flower buds during the summer for next year's bloom. Examples of trees of this type are eastern dogwood, flowering cherry, and spring flowering magnolias.

If you wait until fall or winter to prune them, you will cut off next year's flowers.

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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

METAL LADDERS

You should learn to use them safely

Consumers may face a potential electrocution hazard when they use metal ladders to do household chores such as cleaning gutter, trimming trees and repairing roofs and chimneys.

During the last four years the U. S. Consumer Product Safety Commission has received reports of more than 80 electrocution deaths that occurred when a consumer was using a metal ladder which contacted an electrical wire in or around the home. In addition to these deaths, the Commission also has reports of more than 100 occupationally related electrocutions associated with the use of metal ladders around residences. The electrocutions often occur in one of the following ways:

1. Consumers move metal ladders and accidentally touch an overhead power line near the house or street; electricity can be conducted by the metal ladder, electrocuting anyone holding or touching the ladder.
2. Metal ladders can shift position as a result of wind, unlevel ground, or the user reaching to the side while on the ladder. This has caused the ladder or person to come in contact with a power line.
3. Consumers use a metal ladder while they handle an improperly grounded power tool or contact an electrical source, such as a light socket or fuse box.

In recent years, metal step ladders and extension ladders which meet Underwriters Laboratories and American National Standards Institute voluntary standards have labels to warn about this hazard.

The label typically states: "Danger. Metal conducts electricity. Keep away

from power lines and live electrical wires."

In addition, a graphic warning label is usually found on metal extension ladders.

Despite these and other warnings, about 20 consumers each year are electrocuted in accidents involving metal ladders and electric wires. To avoid this potential hazard, CPSC offers this advice:

1. Carefully check the location of all power lines when using a ladder, especially where the lines are connected to the house. Any power line (including the line running from the street to the house) can permit electricity to flow if

a piece of metal or other object, such as a wet tree branch, touches it. Power lines and phone lines often appear to be similar. Assume all overhead lines are carrying electricity.

2. It is best to use a nonconductive ladder such as fiberglass or wood when working near power lines.

3. When carrying or moving a ladder, lower it to avoid touching a power line. Do not work on a windy day, because a gust of wind can cause the ladder to shift and possibly touch a power line.

4. Never place a ladder where it could slide into a power line. Whenever possible, make sure the distance to the nearest overhead power line is at least twice the length of the ladder, to give yourself a wide margin of safety.

5. Before climbing the ladder, make certain that its feet are on solid level ground. When the ground is not level or is soft, use extra care in placing the ladder. Put a flat piece of wood under one or both feet so that the ladder has a solid, level base.

6. If the ladder should start to fall into an overhead power line, let it go and don't attempt to move it until the power company has cut off electricity to the line. If someone is holding the ladder when it contacts the power line, do not attempt to pull the person away with your hands. Use something that won't conduct electricity, such as a length of dry wood or rope, to push or pull the victim loose.

For more information about electrical safety, write CPSC, Washington, D.C. 20207 for a Home Electrical Safety Audit. Or call the Consumer Product Safety Commission's toll-free hotline at 1-800-638-CPSC.





A year of growth for SIPC

Sales of electricity to member-cooperatives of Southern Illinois Power Co-operative (SIPC) increased by 2.2 percent in 1984, marking the largest annual increase in six years. In addition, officers reported during SIPC's annual meeting March 28, the sale of surplus energy to other utilities combined with the higher member usage to produce solid gains for the federation of three Southern Illinois distribution electric cooperatives. The meeting was held at SIPC's headquarters at Lake of Egypt, south of Marion.

Archie Hamilton of Ava, president

of the SIPC board of directors, said sales to member-systems totaled 673,968 megawatt-hours in 1984. "The cost of energy to member-cooperatives remained stable throughout 1984," Hamilton added, citing "tight control of operating costs and prudent management of cooperative assets" as primary factors in the effort to contain costs for consumers.

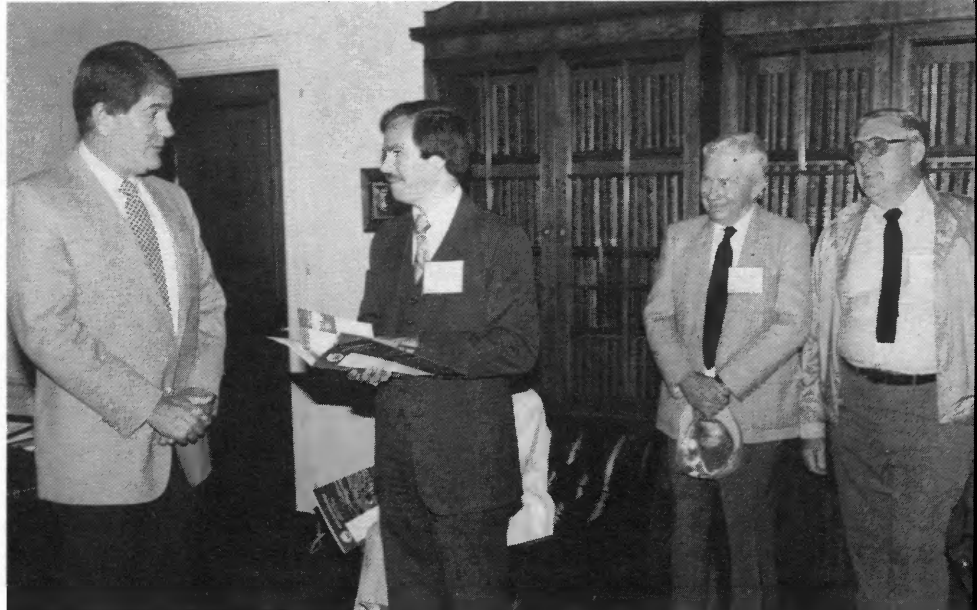
SIPC is a generation and transmission cooperative that provides electric power to Egyptian Electric Cooperative Association, Steeleville; South-eastern Illinois Electric Cooperative, Eldorado, and Southern Illinois

Electric Cooperative, Dongola. The three distribution cooperatives serve more than 37,000 meters in 19 counties.

Manager James R. Chapman said the cooperative remains committed to utilizing Southern Illinois resources. "We purchased 886,944 tons of fossil fuel during 1984," he said, "97 percent from Southern Illinois mines." He noted that coal costs have stabilized in recent years when compared with the rapid price increases from 1976 through 1982, when coal prices climbed by about 80 percent. "From 1982 through 1984, our fuel costs



Left: Representative Lane Evans, left, talks with visitors from McDonough Power Cooperative. Below: Clinton County leaders listen to Representative Ken Gray, left.



Above: Representative Terry Bruce meets with leaders from several electric cooperatives in his district. Right: Representative Ed Madigan with Illini and Corn Belt electric cooperative representatives.



Left: Representative Harris Fawell with delegates from Illini and Corn Belt electric cooperatives. Above: Representative Robert Michel with leaders of Spoon River and McDonough electric cooperatives.



manager's report

by Robert E. Pendell, Manager

Watts n

IREN SUPPLEMENT

Nominating committee meeting planned for July 8 in Macomb

Members of the 1985 nominating committee have been appointed by the McDonough Power Cooperative's board of directors. The committee will meet at the Holiday Inn, Macomb, Monday, July 8, at 7 p.m. to nominate candidates for election to the board of directors at the 1985 annual meeting of members to be held September 3.

Appointments to the committee are as follows:

District 1 (composed of the west half of Scotland Township and east half of Chalmers Township in McDonough County): Howard Butterfield, Route 4, Macomb;

District 2 (composed of all of Lamoine, Bethel, and Industry townships in McDonough County and parts of Brooklyn, Littleton and Oakland townships in Schuyler County): Charles Bainter, Route 1, Industry, and Steve Terstrip, Route 1, Industry;

District 3 (composed of all of Hire, Tennessee, Colchester and the west half of Chalmers townships in McDonough County and parts of Fountain Green and Hancock townships in Hancock County): Jerry Shughart, Route 1, Tennessee;

District 4 (composed of all of Blandinsville, Sciota and Emmett townships in McDonough County): Wayne Steward, 27 Shorewood Drive, Macomb;

District 5 (composed of the east half of Scotland and all of New Salem, Eldorado and Mound townships in McDonough County and part of Harris, Farmers and Vermont townships in Fulton County): Dan Wolf, Route 2, Macomb, James D. Smith, Route 1, Adair;

District 6 (composed of all of

Macomb, Walnut Grove, Bushnell and Prairie City townships in McDonough County and part of Lee in Fulton County): Leland Wolf, Route 1, Good Hope;

District 7 (composed of all of Raritan, Point Pleasant, Swan Creek, Greenbush and Media townships in McDonough County): Richard Walker, Route 1, Roseville;

District 8 (composed of all of Biggsville, Tompkins, Ellison, Roseville, Lenox, Monmouth and Spring Grove townships in Warren County): Don Walters, Route 1, Roseville, and David Killey, Route 1, Roseville; and

District 9 (composed of Kelly, Coldbrook, Floyd and Berwick townships in Warren County and parts of Galesburg, Cedar and Indian Point townships in Knox County): Steven Armstrong, Box 64, Cameron.

The bylaws of the Cooperative provide that nominations to the board of directors may be made by: (1) nominating committee, (2) petition signed by 15 or more active members, petition must be received at the principal office of the Cooperative at least (30) thirty days before the meeting, or (3) nominations can be made from the floor.

The terms of directors from Districts 2, 5 and 8, expire this year. Directors presently serving on your board of directors are: District 1, Wade Blansett; District 2, Donovan Lawyer; District 3, Bill Pollock; District 4, James Conley; District 5, Lyndall Pigg; District 6, Kenneth Moore; District 7, Harold Anderson; District 8, Howard Butler, and District 9, Tom Curtis.



4-H, Junior Fair set July 16-18

Support the youth of McDonough County and attend the 4-H and Junior Fair at the 4-H Center west of Macomb on Highway 136. All entries must be made by Monday, July 15.

MONDAY, JULY 15

5-8 p.m. — check in 4-H projects in auditorium

5-10 p.m. — check in livestock projects

TUESDAY, JULY 16

9 a.m. — 4-H projects in auditorium judged

9 a.m. — 4-H sheep judging

1 p.m. — 4-H dairy judging

1:30 p.m. — 4-H dairy goat judging

6 p.m. — 4-H cat show

6 p.m. — 4-H dog show

7 p.m. — 4-H style show and trophy presentation

9-11 p.m. — 4-H dance

WEDNESDAY, JULY 17

9 a.m. — 4-H beef judging

1 p.m. — games for children

6 p.m. — entertainment (TBA)

THURSDAY, JULY 18

9 a.m. — 4-H swine judging

11 a.m. — 4-H horse show

4 p.m. — all projects released, Junior show premium checks ready for distribution

Office closing

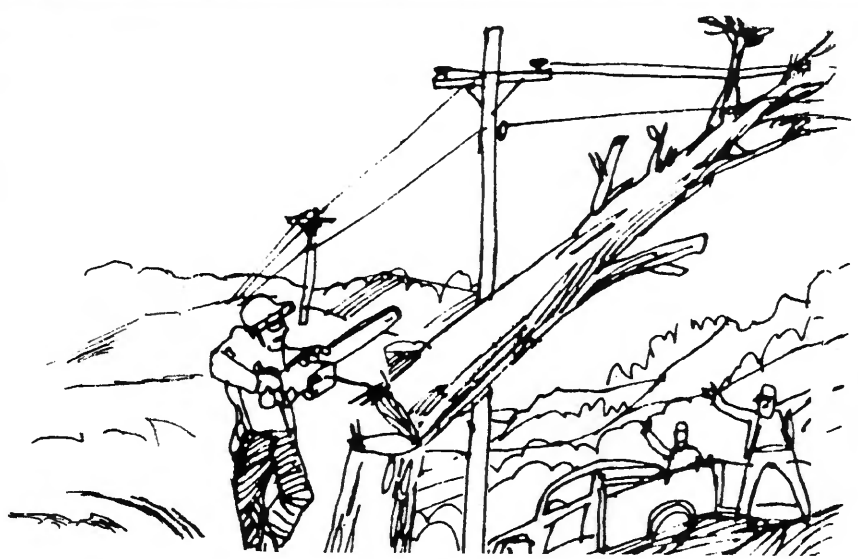
The Cooperative office will be closed Thursday, July 4, in observance of our nation's independence.

DIRECTORS
 Donovan Lawyer, President
 Kenneth Moore, Vice-President
 Wade Blansett, Secretary
 Harold Anderson, Treasurer
 Howard Butler
 James Conley
 Thomas Curtis
 Lyndall Pigg
 Bill Pollock
 John D. McMillan, Attorney

McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400



presence of electric power lines. A careful surveillance of the vicinity is essential before you begin any tree work.

Look overhead and to all sides surrounding your cutting site. Be very sure your tree will not come into contact with any power lines when it falls.

Wood can be a conductor of electricity. Each year several deaths and serious injuries are reported which involve trees falling into power lines. Do not become a statistic — take a few minutes to survey your cutting site.

Above all, if you do cause a tree to fall into a power line or you come across a tree which has fallen into a line, do not — under any circumstances — attempt to remove the tree. Stay clear of the tree and the line.

Call your power supplier as soon as possible. They will see to it that the problem is taken care of right away.

Cutting trees safely

Do you have plans for building a new house or barn or clearing some land for farming? Perhaps you plan to cut a new right-of-way for a road or just get rid of some old dead trees which have become a nuisance.

Regardless of the chore at hand, cutting trees is serious business and demands attention to safety. Needless tragedy can be avoided by observing some rather simple rules.

Working gloves should be worn to

protect your hands. Safety goggles should be worn to protect your eyes from flying chips. A properly fitted hard hat is worn to protect your head from falling branches. You step into steel-toed boots to protect your feet from mishaps with the saw or the ax. Think you are all set to start cutting?

THINK AGAIN!

Some of the most serious accidents involving the cutting of trees occur because no attention is paid to the

Annual meeting

McDonough Power Cooperative's annual meeting is September 3 at Fellheimer Auditorium, Macomb.

PLAN POWER NEEDS NOW

FOR YOUR GRAIN DRYING EQUIPMENT

**DON'T WAIT
TILL
OCTOBER**

Or you may not get the proper power for your new grain dryer

PLAN NOW

Senators

(Continued from page 5)

need to be involved with."

Also addressing the luncheon, which was a midway point in a day of activity in the capital, was Senator John Maitland, of Bloomington and senator in the 44th Senate district.

Maitland said, "The two-party system is alive and well and functioning correctly and properly. Senator Demuzio and I are of opposite political parties, and yet we work for the common good of the entire 11½

million people in the state of Illinois.

"When I introduced legislation in the spring, I knew very well that all of that legislation would not be passed. But we do know for sure that when the General Assembly adjourns here on June 30, or July 1, 2 or 3 or whenever, the legislation that might happen to arrive on the Governor's desk reflects the attitude of the 11½ million people in Illinois. It's a beautiful system; it works well.

"Senator Demuzio and I both challenge you to work hard because

you are the new generation that will assure that the two party-system continues to work."

Demuzio described the legislative process as "demanding," pointing out that 1,642 pieces of legislation had been introduced in the Senate this session. "That means that, with the 16 legislative committees that we have in the Senate and under our rules, by May 3 those bills must be subjected to scrutiny by our members and have some affirmative action if they are to proceed in the Illinois Senate this year. That means that in the next seven legislative days that we are here in session, committees will have in excess of 100 bills to consider."

The two senators also noted that several former participants in the rural electric youth program have gone into careers in state government and in the General Assembly.

The students involved in the day of touring Springfield historic and government sites and visiting with senators and representatives from their home districts were finalists in various electric cooperative "Youth to Washington" essay competitions. A number of the students on the Springfield tour, as winners of their local contests, will travel to Washington, D.C., June 7-14.

The day's agenda for the students included tours of the Governor's mansion, Lincoln Home, Old State Capitol, Illinois State Museum and the State Capitol, including both the Senate and House chambers. Several of the groups remained in Springfield after the day of touring and attended a legislative dinner visited by a number of their area senators and representatives. At the dinner were Senators Demuzio, Laura Kent Donahue of Quincy, Ralph Dunn of DuQuoin and Kenneth Hall of East St. Louis and Representatives Gary Hannig of Mt. Olive, Jeffrey Mays of Quincy, Tom Ryder of Jerseyville, Ron Stephens of Collinsville and Harry (Babe) Woodyard of Chrisman.

As has been the custom in past years, Governor Jim Thompson declared the day "Illinois Rural Electric Day" throughout the state. Thirteen electric cooperatives participated and about 120 students attended the Springfield activities.

Healthy, Wealthy and Wise!

It makes good sense to protect your assets, and your health is one of your most valuable assets of all. Your good health enables you to work and provide all the things you and your family need.

Now, while you're healthy, is the time to make sure that you're properly insured.

By planning ahead, you can help provide a financially secure future for your family, even when serious illness or injury strikes.

Illinois Rural Electric Cooperatives and Telephone Cooperatives recommend that you take advantage of these plans:

- Disability Income Protection ● Major Medical Protection
- Cancer Cost Supplement ● Mutual Care (for those 65 and over)
- Catastrophic Hospital Coverage ● Life Insurance
- Basic Hospital Coverage with Maternity Coverage

These plans are underwritten by Mutual of Omaha and United of Omaha and available at Association Group rates.

If you'd like to know more, just fill out and mail this coupon.

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Mutual of Omaha
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Home Office:
Omaha, Nebraska

Illinois Rural Electric Cooperative Association Insurance Plan
Mutual of Omaha Insurance Company
Mutual of Omaha Plaza, Omaha, NE 68131

Please see that I receive full details on the plans available to me as an Illinois Electric Co-op member.

Income Protection Hospital Life
 Mutual Care Cancer Major Medical

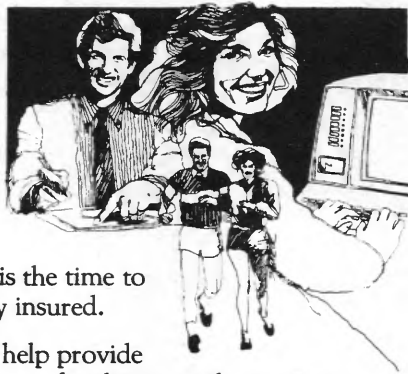
Name _____

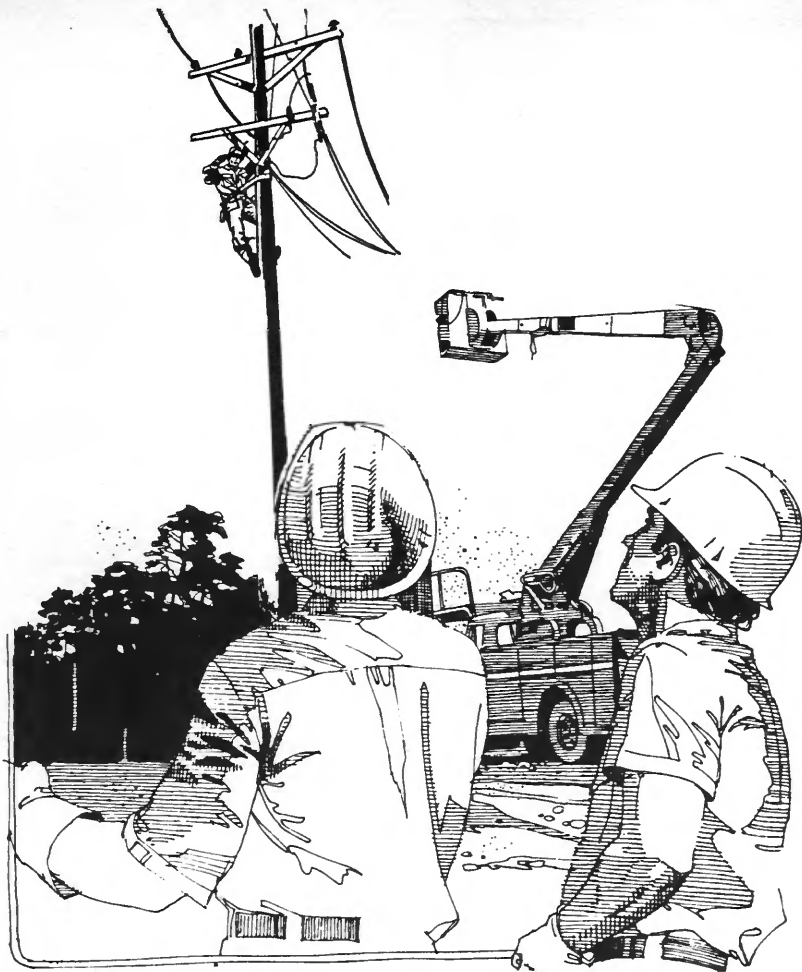
Address _____

City _____ ZIP _____

Phone _____

Name of Co-op _____





Safety pays dividends for cooperatives

A farmer stops by his grain bins and checks to see that the aeration fans are still running. Satisfied, he climbs back into his pickup and heads for the house to catch up on his computer work.

As he nears the house he sees a small electric cooperative crew working on the line. "No juice," he thinks as he waves at the crew, "no computer work now." He steps into the house, where his wife is watching a soap opera and the kids are busy with a video game. "That's funny," he muses, "they're working on the lines, and we've still got electricity." With no further thought, he busies himself at the computer.

That is the way the electric cooperatives of Illinois want it to be: a wave at the crew and no further thought, with downtime and consumer inconvenience minimized.

That is why electric cooperative crews routinely work on "live" lines.

But while "hot line" work makes life easier for electricity users, it adds a certain amount of risk to the employees' jobs. With this in mind, the electric cooperatives of Illinois all work to make a somewhat dangerous job a lot safer, for the benefit of both employee and member-owner.

Some 15 years ago, the National Rural Electric Cooperative Association established a training program to recognize cooperatives for outstanding safety achievements. This program, called the Rural Electric Systems Safety Accreditation Program, recognizes selected cooperatives with a Certificate of Excellence.

Insurance costs

The certificate is not just a plaque for electric cooperatives to hang on a wall. Earning the certification makes a cooperative eligible for significant reductions in insurance rates — a definite savings in the cost of operation that can be passed on to the

members.

While much emphasis is placed on the safety of linemen as they work with electricity, there is more to making a cooperative a safe place to work than keeping them "on their toes." A number of accidents are reported by office workers, and many of those suffered by outside crews are the more mundane kinds of things, such as splinters, scrapes and abrasions and strains. To really minimize such mishaps — and keep insurance costs down — all the employees of a cooperative have to be reminded constantly of the need to be alert and to work at avoiding injury.

Awareness

"The safety accreditation program is designed to instill in the cooperative's directors, managers and employees an increasing awareness of the importance of safety in their system operations, to increase their desire to operate safely and to educate them fully in the methods and procedures of promoting safe practices," says Dave Diederich, director of training and safety for the Association of Illinois Electric Cooperatives.

In order to qualify for the certificate, a cooperative undergoes a stringent investigation requiring considerable extra effort by its manager, board and employees. Most importantly, the cooperative must maintain a very low injury frequency rate for three years. The rate is calculated by a special formula called the Disabling Injury Index, which takes into account several factors, including number of accidents and the number of days a cooperative's employees are off the job due to accidents.

In addition to the written information an electric cooperative submits when applying for accreditation, three outside evaluators complete a detailed observation of its buildings, trucks and other vehicles, equipment and pole yard.

"The most important part of earning this outstanding achievement," Diederich says, "is the commitment to employee safety. The 14 Illinois cooperatives that have earned accreditation show that safety pays. Others are working toward certification and we hope they'll have their certificates — and lower insurance rates — in the near future."



manager's report

by Robert E. Pendell, Manager

watts n

IREN SUPPLEME

Are you buying more electricity than you need?

Of the hundreds of bill-related queries your electric cooperative receives every year, only a small percentage actually involves high bills that were computed incorrectly. Most of them turn out to be cases of high usage where members used more electricity than they wanted or expected.

One of the reasons why members may be surprised at the usage listed on their bill is that electricity is one of the few things they use before paying for it. People pay for groceries before they eat. They buy clothes before they wear them.

Electricity is different. When the bill arrives, the electricity has already been used. If a member bought more than was intended, it is too late for the member and the cooperative to do anything about it. Electricity is one commodity that cannot be returned.

CONVENIENCE RAISES USAGE

Members may use more electricity because it is so convenient and so automatic. They forget all the kilowatts required to power the numerous devices in their homes that provide comfort, save work, entertain or perform many other services. Electric heating and cooling systems maintain our homes in comfort, electric water heaters provide hot water for cleaning and sanitation, refrigerators and freezers preserve our food, ranges, microwave ovens and toasters prepare our meals, electric alarm systems and security lights provide safety, radio, televisions and stereo systems inform and entertain us and the list goes on.

But the wonderful services electricity provides may be of little consolation to members who have tried to use energy more efficiently but cannot determine the source of their high usage. Members with high usage problems should follow some simple suggestions.

Check the elements in your water heater to see that one is not burned out. Check your setting for water temperature to see it is set properly.

Is your well pump running all the time? It shouldn't be. Remember, your pump should only run once in a while, not every time you turn on a faucet or flush a toilet. If your well pump is running constantly, have an electrician examine it. It is consuming electricity unnecessarily.

If you suspect your meter, pull your main circuit breaker. Wait 10 minutes and then check the meter dial. It should be stopped. If not, contact your electric cooperative.

Daily meter readings for one month will help you understand how and when you use electricity. Take a few minutes each day, preferably at the

same time, and write down the reading on your electric meter. By subtracting the previous day's reading from the current reading each day, you get the number of kilowatt-hours used during that 24-hour period. You should note the usage and jobs that were performed during that period. This will help you pinpoint activities that cause higher electrical consumption.

YOU JUST CAN'T COMPARE

One thing that is of little help to members with high usage is to compare bills with the neighbors. Lifestyles, the number and kinds of appliances and the size of the family will cause a difference in usage.

Now let's be fair. No two families live alike or have the same habits, so it is no wonder that the amount of usage will be different.

METERS

RARELY MAKE MISTAKES

A meter is a highly calibrated and highly accurate device. In fact, very few commodities are as accurately measured as the electricity you use. It is rare, indeed, to find a meter that is outside the established tolerance level. Your cooperative maintains a regular schedule of testing to help keep each meter clean and in good working order. Because of this and the proven accuracy of the meters, your cooperative advises members to take a close look at their usage before they request a meter test.

**Annual meeting — September 3
Fellheimer Auditorium — 7:30 p.m.
Macomb High School**

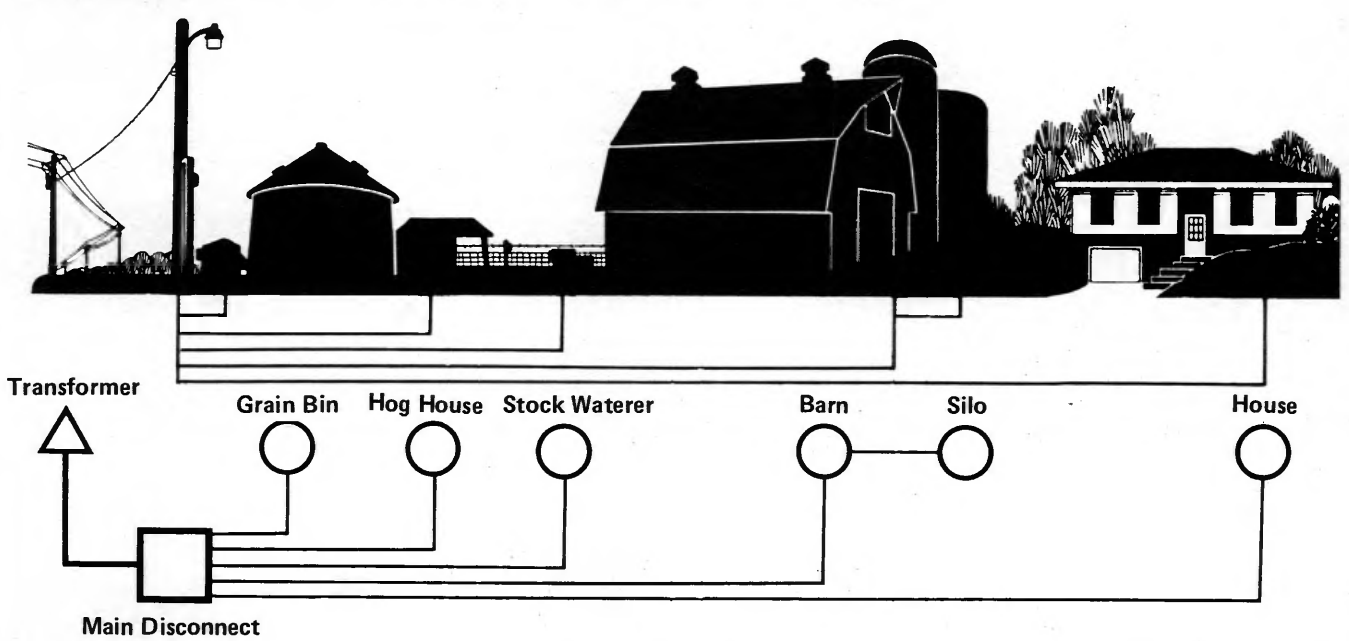
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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

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You can use your meter for trouble-shooting



If results of meter monitoring show that your daily electrical use has doubled for no apparent reason and you have ruled out lifestyle considerations and other unusual uses, you can use the following procedure to locate sources of trouble with the aid of your electric meter.

Step One – Turn off the main disconnect. The disk in the electric meter only turns if electricity is being used. Therefore, the meter should have stopped. If the disk is still turning, check to see that the water pump is turned off at its own fuse box. Sometimes the water pump is wired ahead of the main disconnect for fire protection purposes.

Now that the meter has stopped, you can proceed with trouble-shooting. The idea is to energize as much of your electrical wiring system as possible, one circuit at a time, and still

have a stopped meter disk.
Step Two – Turn off the main fuse or breaker in all buildings. Then turn on the main disconnect. If the meter disk is still stopped, this tells you that all wiring from the main disconnect to each building main fuse or breaker is okay.

Step Three – Proceed with each individual building by unplugging or turning off everything that could use electricity. Then turn on that building's electrical box or breaker. To further pinpoint possible trouble, turn on each main fuse or circuit breaker in each building, one at a time.

Continue this process until one of two things results – if the meter disk is stopped, you're okay; but if the disk is turning and the appliances are off, you have discovered a source of trouble.

Common sources of trouble include

electrical faults in wiring systems that are usually due to physical damage, moisture and dirt, or improper connections.

Sometimes you'll find equipment using electricity that you thought was turned off. It could be a stock waterer, thermostat, or basement and attic lights.

If no problems are found, your electric cooperative has test meters available to record the electrical consumption of whatever is plugged into them. By comparing your recorded use with that of our list for farm and home appliances and equipment, you can determine whether that equipment is using an unusually high amount of electricity.

However, if all methods fail, contact your electrician or seek proper advice from your local electric cooperative. We're here to help.



4721
SIZES 6-20

Silly Scarecrow
432

WAIST 31-41 1/2" 9344

- No. 4721 is cut in sizes 6, 8, 10, 12, 14, 16, 18, 20.
- No. 432 - Silly Scarecrow - is 36 inches tall, transfers and directions.
- No. 9344 is cut in Women's Waist Sizes 31, 33, 35, 37, 39, 41 1/2 inches. See pattern for yardages.

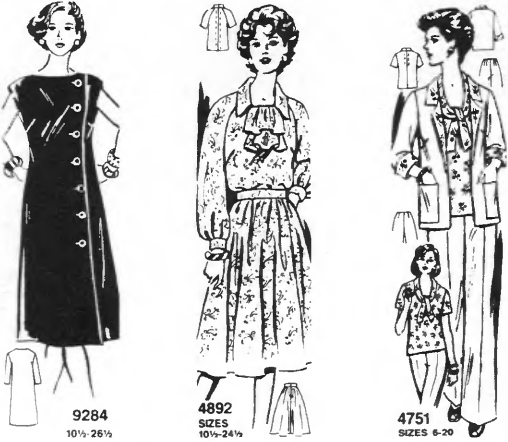


Sunbonnet Girls
665

4616 6-20

9354
SIZES 6-20

- No. 665 - Sunbonnet Girls - uses 5 fabrics, applique and embroidery, measures about 69" x 96".
- No. 4616 is cut in sizes 6, 8, 10, 12, 14, 16, 18, 20.
- No. 9354 is cut in sizes 6, 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) takes 2-7/8 yards 45-inch fabric.

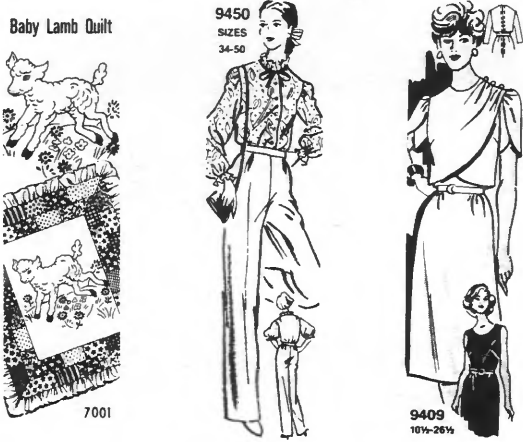


9284
10 1/2-26 1/2

4892
SIZES 10 1/2-24 1/2

4751
SIZES 6-20

- No. 9284 is cut in sizes 10 1/2, 12 1/2, 14 1/2, 16 1/2, 18 1/2, 20 1/2, 22 1/2, 24 1/2, 26 1/2. Size 14 1/2 (bust 37) takes 2-3/4 yards 45-inch.
- No. 4892 is cut in sizes 10 1/2, 12 1/2, 14 1/2, 16 1/2, 18 1/2, 20 1/2, 22 1/2, 24 1/2.
- No. 4751 is cut in sizes 6, 8, 10, 12, 14, 16, 18, 20.



Baby Lamb Quilt
7001

9450
SIZES 34-50

9409
10 1/2-26 1/2

- No. 7001 - Baby Lamb Quilt - is colorful patchwork and ruffle about 36" x 42" ruffle included.
- No. 9450 is cut in Women's Sizes 34, 36, 38, 40, 42, 44, 46, 48, 50.
- No. 9409 is cut in sizes 10 1/2, 12 1/2, 14 1/2, 16 1/2, 18 1/2, 20 1/2, 22 1/2, 24 1/2, 26 1/2.

PATTERNS

TO: PATTERNS
Illinois Rural Electric News
P.O. Box 3787
Springfield, Ill. 62708

I have enclosed \$ _____ (\$2.75 per pattern - cash, check or money order accepted) for the following patterns (please allow four weeks for delivery):

Pattern No.	Size	Pattern No.	Size
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Print Name _____
Address _____
City _____
State _____ Zip _____

Mastitis? Stray Voltage? RONK BLOCKER™!

What is stray voltage?
What can be done about it? In the past there was no help . . . but now the RONK BLOCKER has eliminated this problem in every- place where it has been installed.

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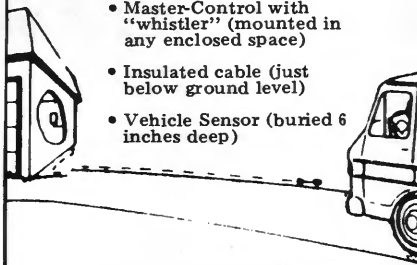
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Yes, I'd like more information

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Now, while you're healthy, is the time to make sure that you're properly insured.

By planning ahead, you can help provide a financially secure future for your family, even when serious illness or injury strikes.

The following plans are available for electric cooperative and telephone cooperative members:

- Disability Income Protection • Major Medical Protection
- Cancer Cost Supplement • Mutual Care (for those 65 and over)
- Catastrophic Hospital Coverage • Life Insurance
- Basic Hospital Coverage with Maternity Coverage

These plans are underwritten by Mutual of Omaha and United of Omaha and available at Association Group rates.

If you'd like to know more, just fill out and mail this coupon.

Illinois Rural Electric Cooperative Insurance Plan
Mutual of Omaha Insurance Company
Mutual of Omaha Plaza, Omaha, NE 68131

Please see that I receive full details on the plans available to me as an Illinois Electric Co-op member.

- Income Protection Hospital Life
 Mutual Care Cancer Major Medical

Name _____

Address _____

City _____ ZIP _____

Phone _____

Name of Co-op _____

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Name _____

Address _____

City _____

State _____ Zip _____



manager's report

by Robert E. Pendell, Manager

watts n

IREN SUPPLEMENT

7:30 P.M. ANNUAL MEETING

of

McDONOUGH POWER COOPERATIVE



© NRECA

September 3, 1985

Fellheimer Auditorium — Macomb, IL

Registration begins at 6:30 p.m.

Wayne Humphrey, speaker

\$25 credit on
September electric bill
on the
Name A Minute Drawing
Must be present to win

\$5 credit on your
September electric bill
for registering

30 names to be drawn
from those registered
to receive \$10 credit on
September electric bill

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 Bill Pollock
 John D. McMillan, Attorney

McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

Registration begins at 6:30 p.m.

Registration for the 48th annual meeting of members will begin at 6:30 p.m. on Tuesday, September 3, 1985, at the Fellheimer auditorium. All members registered will receive \$5 credit on their September energy bill. There will be drawings from the list of registered members and if present, will receive \$10 credit on their September energy bill.

At 7:30 p.m. the business meeting will be called to order by Donovan

Lawyer, president of the board, for reports of officers and the election of three directors.

Directors are to be elected from Districts 2, 5, and 8.

Donovan Lawyer is presently serving as director from District 2.

Lyndall Pigg is presently serving as director from District 5.

Howard Butler is presently serving as director from District 8.

The nominating committee, which

met July 8 for selecting nominees from these districts was composed of the following members.

District 1: Howard Butterfield, Macomb

District 2: Charles Bainter, Industry, and Steve Terstrip, Industry

District 3: Jerry Shughart, Tennessee

District 4: Wayne Steward, Macomb

District 5: Dan Wolf, Macomb and James D. Smith, Adair

District 6: Leland Wolf, Good Hope

District 7: Richard Walker, Roseville

District 8: Don Walters, Monmouth and David Killey, Roseville

District 9: Steven Armstrong, Cameron

The nominating committee nominated the following members:

District 2 — Donovan Lawyer

District 5 — Lyndall Pigg

District 8 — Howard Butler

You will be receiving your annual meeting notice approximately 10 days previous to the annual meeting.

A name a minute will be drawn from our membership during the business meeting and if the member is in attendance, they will receive \$25 credit on their September energy bill.



Wayne Humphrey

Wayne Humphrey is speaker

For your enjoyment, this years entertainment will be guest speaker Wayne Humphrey's, "America's Fun Farmer."

Wayne is a fourth generation farmer. At age 14, he was invited to give his first after-dinner speech. As his

August 1985

farming operation grew and college studies were completed, the circle of those who wanted to hear what this young man had to say grew larger.

As a national officer of the Future Farmers of America, he traveled and spoke in 47 states and 10 countries. Today his humor and vitality make him one of the funniest speakers in the Midwest.

Come and share an evening of fun at your annual meeting.

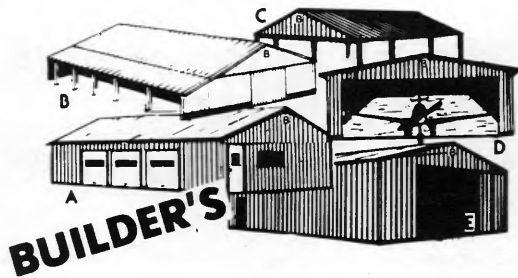
Attend YOUR annual meeting

The board of directors, management and staff of your Cooperative are doing everything possible to provide you with the best electric service and at the same time keeping a tight control on the efficient use of all its resources.

This is your Cooperative. Attend the annual meeting. We must work together to maintain our present level of electric supply. It cannot be taken for granted.

Office closing

Labor Day
 Monday
 September 2



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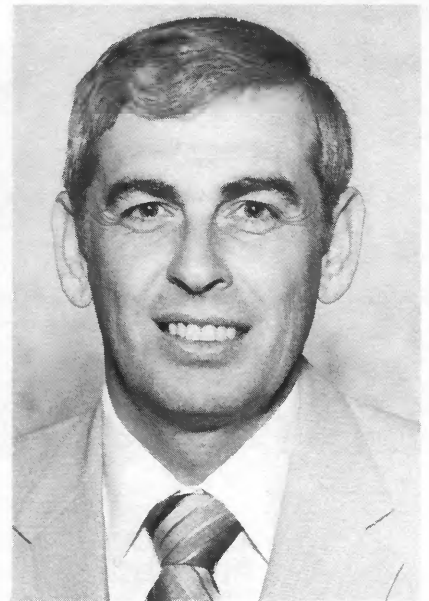
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Jim Hinman

Jim Hinman new manager at Tri-County

Jim Hinman has been selected by the board of directors of Tri-County Electric Cooperative to succeed Alan Sisk as manager. Sisk resigned his position with the Mt. Vernon-based cooperative March 29 to accept a position with the National Rural Electric Cooperative Finance Corporation (CFC), and Hinman became acting manager at that time. He was elevated to manager on July 1.

Hinman came to the 13,000-member cooperative in 1973 as office manager and became assistant manager in 1981. He has worked closely with the board in both positions.

A graduate of Murray State University in Kentucky, the new manager served as a first lieutenant in the Vietnam conflict, where he was awarded two Bronze Stars and the Combat Medal. He worked for Rockwell International in Columbus, Ohio, before coming to Tri-County. He was born in Evansville, Indiana, and raised in Flora.

Hinman and his wife, Elizabeth, a Salem native, have two sons, Robbie, 5, and Steven, 1½. They are expecting a third child in September.

Their hobby is raising thoroughbred horses.



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dwarf size trees!**

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DWARF FRUIT TREES

Nothing compares with the sweet, juicy taste of fruit picked fresh from the tree. With Stark Bro's dwarf fruit trees (only 8 to 10 ft. tall), you can grow delicious, full-size fruit even in the smallest yards.

EXCLUSIVE VARIETIES

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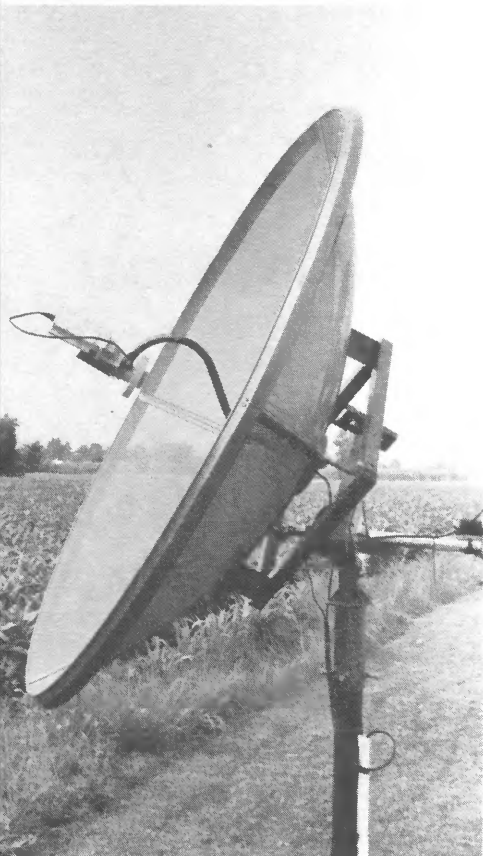
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and some people believe they are illegal. "That's not true," he emphasizes, adding, "it's perfectly legal to pull in unscrambled signals for viewing on TV." And, he says, about 80 percent of the programming a dish is likely to receive is not scrambled. Most scrambled channels are Canadian, carry adult material only, or carry no commercial messages and must rely on subscription income.

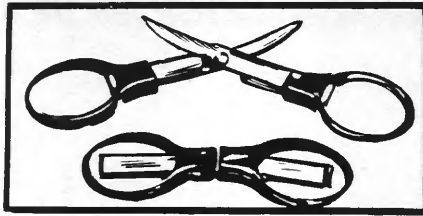
"They scramble, then charge a subscription fee for the decoder," he says, "and we agree that they should be able to profit from their programming. We offer legal, subscription-paid unscrambling for some of the channels that scramble. The charge is billed through ITA, just like the other charges are."

If any one word were used to describe the product lines — and there are 16 packages available — through ITA, it would have to be "quality."

"There are a lot of inexpensive units on the market," Scott says, "but we're offering only the higher quality equipment, and leaving the cheaper stuff alone. We've found that in the long run, that practice will save you money and prevent headaches."



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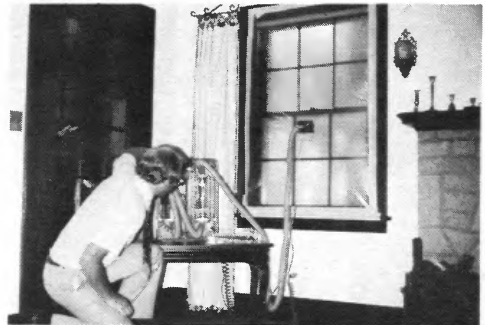


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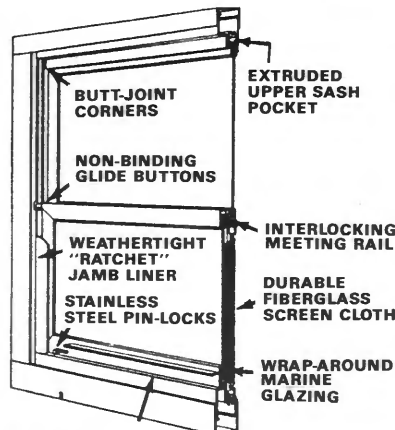
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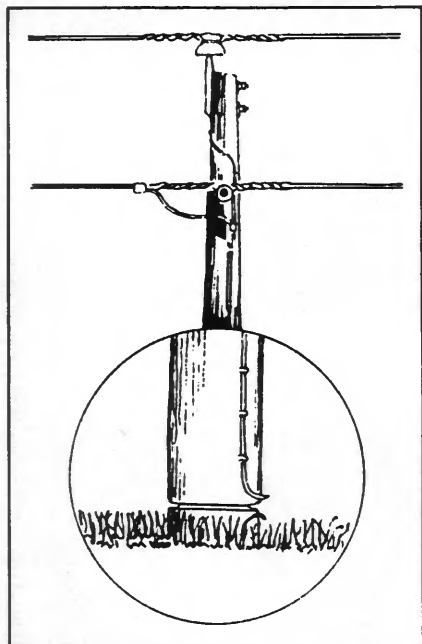


manager's report

by Robert E. Pendell, Manager

watts n

IREN SUPPLEME



Pole tests under way

It could be said that poles are the backbone of an electrical distribution system, because of their importance.

A great majority of McDonough Power's 1,380 some miles of electrical lines are overhead, attached to insulators, and held in the air or suspended by the wooden poles. Your electric cooperative owns and maintains approximately 22,000 poles spread through the entire service area.

The reliability of poles is very important for safety and important in keeping the electricity on. If a pole were to break, the line would come down, causing an outage. A tragedy

Annual meeting report

The report and pictures of our 1985 annual meeting will appear in the October 1985 REN. Due to the time schedule that REN must go to the printers, it is not available for the September REN.

could occur if a lineman were climbing the pole and it were decayed.

Utility poles are usually made from cedar, southern pine, or douglas fir. Most of the poles in our service area are made from southern pine and treated with creosote or penta at the milling plant to insure a long service life. With time, and the action of the elements, the wood will weaken and become less safe.

In order to enhance system reliability and safety, McDonough has contracted a pole testing and treatment company to check our poles. A testing schedule has been set up and many poles will be tested in 1985.

The company we have hired is Osmose Inc., a worldwide wood preserving contractor, with divisions in lumber treating, railroad, marine, and the utility industry. Their testing process is to sound the pole with a hammer to be sure there are no pockets of decay above ground, then dig down 18 to 20 inches on the pole. The oxygen does not penetrate the soil any deeper and there would not be

decay.

Each pole is drilled to the center below the ground line to check for insect damage or internal decay, and fill the drillhole or any pockets with fumigant. This insecticide will seep into the woodfibers and stop rotting. Each pole is treated with a compound containing creosote and sodium fluoride around the entire base, from above the ground line to 18 or 20 inches deep. Through osmosis, the compound enters the wood fiber to seal the bottom of the pole and then a plastic moisture barrier is stapled to the pole, the dirt is backfilled and left to settle.

Osmose also does line inspection as they go, noting things like broken crossarms, woodpecker holes, cracked insulators, and the condition of pole grounds and guy wires. They also mark each pole with the map location and keep careful records of each pole treated. Poles that are too damaged to treat are marked and McDonough Power line crews will change those out.

Wiring requires attention

Have you given your electric wiring system any attention lately? Maybe you are one who believes the wiring will last forever. It may seem strange, but wiring deteriorates much like materials. Wiring requires maintenance and regular checking of physical conditions and electric loads sometimes require revamping of circuits or addition of new circuits.

The National Electric Code covers minimum specifications for safe installations of electric devices and wiring size requirements. A qualified electrician will know the electric code requirements and be able to give good advice and provide safe electrical installations.

Check for loose terminals and con-

nections. Connections have a tendency to loosen over a period of time, especially if the circuit is exposed to heavy usage. The heating up of wiring causes expansion and when cooling the wire contracts and this can cause loose connections.

A good place to check for loose connections is in the fuse panel or breaker panel. Before checking in this panel, make sure the main breaker or main fuse is in off position.

While in the panel, check for any discoloration and melting of the insulation on the wires. This is a sign of overheating of circuits and action needs to be taken to correct before other damage occurs.

DIRECTORS

Donovan Lawyer, President
 Kenneth Moore, Vice-President
 Wade Blansett, Secretary
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 Howard Butler
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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

Do you understand your electric bill?

Each month around the fifth, you should receive a combination meter reading/billing card. Your energy bill is due and payable when the card is received. Final day to pay the net amount is the 17th of the month, unless the 17th falls on a weekend or a holiday. In that case, it may be paid the following regular work day.

When you receive your bill, enter the present meter reading in the space marked "ENTER METER READING," at the lower right hand corner of the card. Mail or take this portion of your bill card, along with your payment, to the cooperative office. The meter reading you entered will be used to figure your billing for the following month. This billing method keeps a one-month spread between the time you used the energy and the billing period.

In order for a member's meter reading to be considered valid, it must be reported to our office no later than the 25th of the month. If a member fails to provide the cooperative with a valid meter reading for three consecutive months, the cooperative will assess a meter reading charge. Any month thereafter the cooperative will read the meter when the member fails to submit a valid reading and assess such fee as adopted.

Mark your card promptly. Your electric bill is based on the reading you marked on your electric bill card each month. Enter reading as close to the fifth of the month as possible.

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BC	CL	THIS STATE MENT IS FOR EWH USED TO	Mo	Day	Yr	Amount of Bill \$	C	8

Rate Schedule: **ST. P. 1000**

Mo	Day	Yr	Am Due After Due Date \$	C	8

Location Number: **1000** Service Number: **1000**

Billing Date: **Mo Day Yr** Previous Meter Reading: **Mo Day Yr**

ENTER METER READING HERE

Billing Date: **Mo Day Yr** Previous Meter Reading: **Mo Day Yr**

Service Number: **Mo Day Yr** Am Due After Due Date: **\$ C 8** Amount of Bill: **\$ C 8**

Keep For Your Records **RETURN THIS PORTION ON 5TH OF MONTH**

Final due date of bill. Date bill received.

Use this number when inquiring about your bill or discussing information other than power outages. The business phone is (309) 833-2101.

Amount due if paid after due date. ←

Use your location number when reporting a power outage. To report, phone (309) 837-1400.

Your rate schedule.

Billing code and class of service (listed on back of bill).

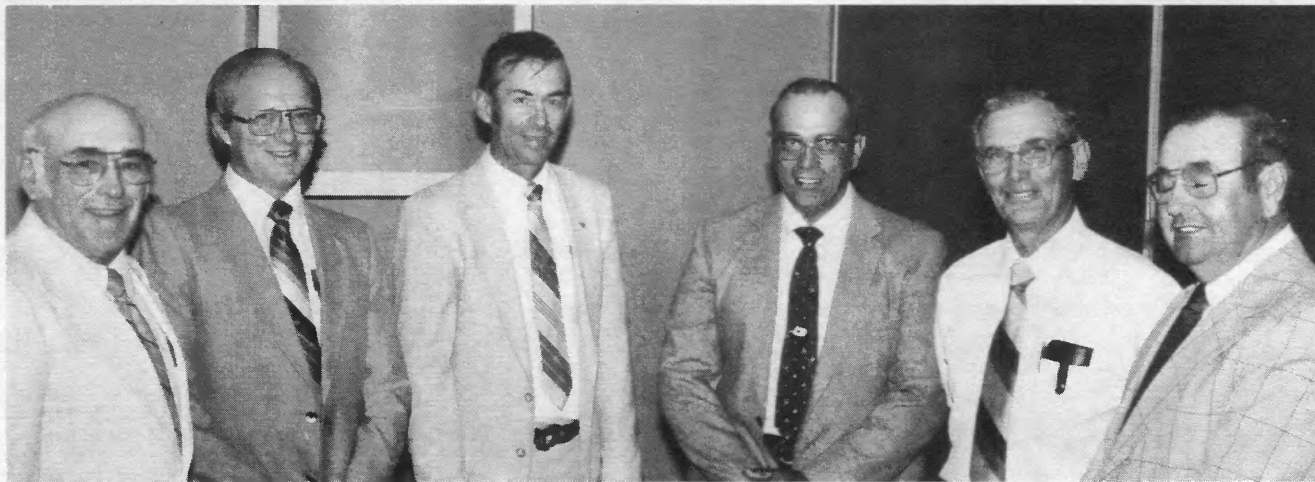
A factor based on the cost of fuel. The purchased power adjustment cost represents fluctuation in the price the cooperative may pay for wholesale power. As the price of coal increases, so does the cost of wholesale power.

Net amount due is paid on or before the 17th of the month.

Enter meter reading on 5th of each month. Enter all numbers as they appear on meter register, including zeros.

Keep left-hand portion of bill for your record.

Submit right-hand portion
 to office with payment and reading.



The ITCA board of directors, from left: Kenneth Diers of Smithshire, Dennis Cornwell of Quincy, Raynold Eggemeyer of Chester (alternate for Leland Luthy of Marissa), Dale Chenoweth of Table Grove, Charles Atteberry of Cisne and Marvin Scott of Belle Rive.

New laws protect rural telephone users

New legislation should help insulate local telephone companies, including the state's six telephone cooperatives, and their consumers from unfair competition and companies ill-prepared or unqualified to provide reliable and equitable dial tone service in their service areas. That was the good news from the last Illinois legislative session as reported by Jack Tharp, executive vice president of the Illinois Telephone Association, at the annual meeting of the six-member Illinois Telephone Cooperative Association held in Springfield on July 24. Tharp said the new laws provide three major tests that a competitor has

to pass before being permitted to encroach on their service areas.

The tests are: (1) getting certified by the Illinois Commerce Commission to provide service in an area that already has service from a local company, (2) proof of technical ability to provide that service, and (3) proof that the existing carrier would not be adversely affected by the intrusion and that its customers would not suffer higher rates because of the newcomer's operations.

Tharp also reported on the new interstate toll message tax bill that was then awaiting the governor's signature. Governor James Thompson signed the

compromise legislation August 1, putting it into effect on his signature and providing for a 5 percent tax on interstate toll calls with the money collected being allocated between the state's General Revenue and Common School funds.

Earl W. Struck, director of the Legal and Public Affairs Department, AIEC, reviewed the past year in monitoring state legislative and executive activities affecting the ITCA. He noted successful efforts to correct language in pending bills to maintain the telephone cooperatives' present status under the public utility and not-for-profit corporation acts.

Following the annual meeting, the directors of the ITCA met to reorganize. Re-elected were president Dennis Cornwell of Quincy, vice president Leland Luthy of Marissa, and secretary-treasurer Kenneth Diers of Smithshire. Clyde Bollinger, manager of Egyptian Telephone Cooperative, Steelville, was retained as chairman of the advisory council. Cornwell is the Adams Telephone Co-Operative representative to the ITCA, Luthy is from Egyptian, and Diers represents McDonough Telephone Cooperative. Other directors of the ITCA include Charles Atteberry of Cisne (Wabash Telephone Cooperative), Marvin Scott of Belle Rive (Hamilton County Telephone Co-op) and Dale Chenoweth of Table Grove (Mid Century Telephone Cooperative).



Clyde Eskridge, seated, manager of Mid Century Telephone Cooperative, Canton, talks with John O'Neal, president of Adams Telephone Co-Operative, Golden. O'Neal, of Augusta, is the Region V director of the board of the National Telephone Cooperative Association.



New method of calculating tax means reduced costs

Legislation signed September 14 by Governor Thompson will result in reduced total bills for rural electric cooperative consumers. The signing of the bill culminated several months of efforts by electric cooperative leaders in the state to bring about a new method of calculating the state utilities tax.

The new legislation, to be effective January 1, 1986, changes the method of computing the tax on electric bills to make it a flat rate per kilowatt-hour used rather than a percentage of the total bill.

Illinois electric cooperatives were the only state utility

organizations to support the legislation, of which Rep. Tom Homer of Canton was the primary sponsor.

The legislation changes the method of calculating the state taxes on natural gas and electricity sales from a percentage basis, currently 5 percent, to a per-unit basis. The new rate for electric consumers is 32-hundredths of a cent (\$.0032) per kilowatt-hour.

The legislation guarantees no utility tax increases for state residents.

Electric cooperatives and other consumer groups supporting the legislation charged that the state's 5 percent utility tax was a "hidden" tax because it increased automatically as electric and natural gas rates increased. Revenue generated through the 5 percent tax increased 308 percent from 1972-82.

In fact, the utility tax was the fastest growing state tax in Illinois, and currently is the state's third largest revenue source. Only New Jersey has a higher utility tax rate than Illinois. Future utility tax increases would have to be approved by the General Assembly and the governor.

Rural electric leaders stressed during their support of the bill the fairness of the legislation to all Illinois residents because the tax will be applied evenly on the amount of electricity or natural gas used, regardless of the rate charged by the supplier. The legislation should also be an incentive for industry which might locate in Illinois, because it will help lower future total utility costs.

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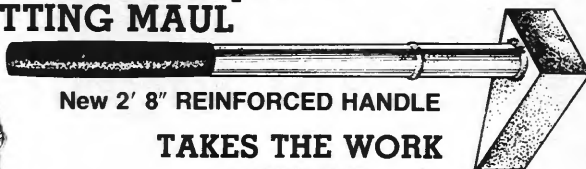
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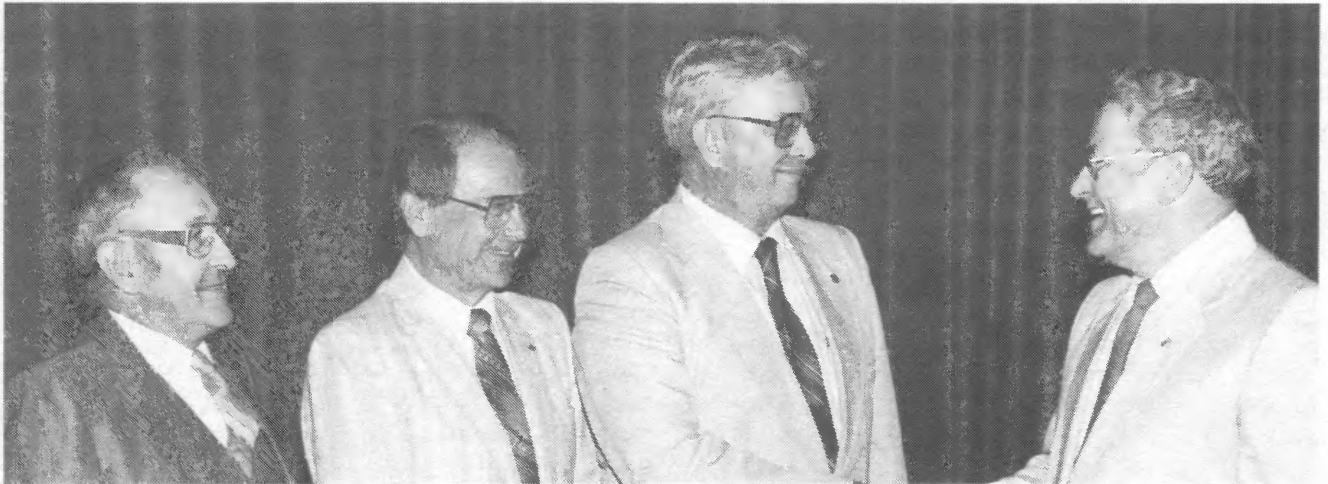


manager's report

by Robert E. Pendell, Manager

watts n

IREN SUPPLEME



Directors of McDonough Power Cooperative reelected to three-year terms are, from left: Donovan Lawyer, Industry, representing District 2; Lyndall Pigg, Bushnell, representing District 5; and Howard Butler, Monmouth, representing District 8. Manager Bob Pendell, left, congratulates them. The election took place during the cooperative's 47th Annual Meeting of Members September 3 at Macomb High School.

Power agreement report, director election highlight annual meeting

"The members of Soyland Power Cooperative have arrived at a point in their history when they can say that they are in control of their destiny and have unlimited opportunities before them that did not appear possible a few short months ago," Soyland Executive Vice President and General Manager E. H. Williams reported to members of McDonough Power Cooperative attending the 47th Annual Meeting of Members Tuesday, September 3, in Macomb.

Williams explained the joint operating agreement between Soyland Power Cooperative, of which McDonough Power Cooperative is a member, and Western Illinois Power Cooperative. That agreement combines part ownership of the Clinton Power Station with cooperatively owned generation facilities and long-term power supply contracts to purchase power on an

"as-if-owned" basis from Illinois Power Company and Central Illinois Public Service Company to provide a balanced power mix to meet members' electric needs at a reasonable cost well into the 1990s.

McDonough is one of 15 electric cooperatives that belong to Soyland, the Decatur-based generation and transmission cooperative. Twenty-two of the 27 Illinois distribution cooperatives belong to either Soyland or WIPCO, a generation and transmission cooperative based in western Illinois.

President Donovan Lawyer of Industry reminded the 270 cooperative members and guests gathered at Macomb High School that the Rural Electrification Administration celebrated its 50th anniversary in May of this year and that the board of directors and employees of McDonough Power Cooperative keep in mind the

goals of those early pioneers to provide reliable power at a reasonable cost.

"Whether it is planning a new substation, building new lines, replacing old equipment, or establishing electric rates, all are accomplished to ensure that you have adequate and reliable service, not just for now, but for the future."

Manager Robert E. Pendell reported that the cooperative enjoyed less outage time and a modest increase in kilowatt-hour sales during the past year. "Approximately \$400,000 was invested in the improvements of your system, lower than the figure for 1983. By holding this figure down, the cooperative was able to hold down your energy cost.

"Your cooperative has not had to raise its base rate, the money required to operate your cooperative, in several

DIRECTORS

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 Kenneth Moore, Vice-President
 Wade Blansett, Secretary
 Harold Anderson, Treasurer
 Howard Butler
 James Conley
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 Lyndall Pigg
 Bill Pollock
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years. While costs have increased, those increases can be attributed to the increased cost of purchasing power from investor-owned utilities and not to increased costs of operating your cooperative."

Members re-elected directors Donovan Lawyer of Industry, Lyndall Pigg of Bushnell and Howard Butler of Monmouth to three-year terms on the cooperative board of directors during the business session. Lawyer has served as director since 1967. Pigg was elected to the board in 1970. Butler has served the cooperative since 1979.

Thomas H. Moore, general manager of the Association of Illinois Electric Cooperatives, presented a safety accreditation certificate, earned by the cooperative and its employees, to Dick Dunsworth, operating supervisor. McDonough Power Cooperative received safety accreditation as a part of the National Safety Accreditation Program sponsored by the National Rural Electric Cooperative Association in Washington, D.C. First receiving safety accreditation in 1982, the current award re-accredits the cooperative for an additional three-year term.

An NRECA safety committee reviews accident reports, safety man-

agement, corporate facilities and training activities before extending accreditation to electric cooperatives. "The accreditation not only represents a significant achievement on the part of the cooperative and its employees but translates into dollar savings in corporate insurance rates," explained Moore.

Cooperative employees and directors receiving awards for years of service were Della Stump, billing clerk, for 25 years of service; Mark Peyton, lineman, for 10 years of service; Kenneth Moore, director, for 10 years

of service, and Lyndall Pigg, director, for 15 years of service.

Entertainment was provided by guest speaker Wayne Humphreys. Humphreys, a fourth-generation farmer and former national officer of the Future Farmers of America, has given humorous and motivational talks in 47 states and 10 countries.

McDonough Power Cooperative serves approximately 4,700 members along 1,381 miles of energized line in parts of McDonough, Warren, Knox, Fulton, Hancock, Schuyler and Henderson counties.



Dick Dunsworth (left) accepts safety accreditation certificate from Thomas H. Moore.



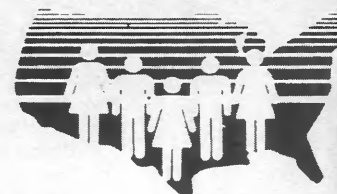
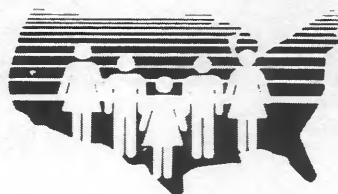
Williams



Lawyer



Pendell



COOPERATIVES

* * * *

Rural development dedication urged

For Bob Bergland, one of the nation's first rural development efforts began 50 years ago when President Roosevelt signed an executive order creating the Rural Electrification Administration.

"My mother cried when the rural electric co-op brought electricity to our farm," says Bergland, general manager of the National Rural Electric Cooperative Association and the 1985 Cooperative Month chairman. "She knew that because of electricity, there was a chance for us to break the bonds of poverty."

But that first burst of rural development is history and America is in need of a new dose of development in rural areas, says the former Secretary of Agriculture under President Carter.

"We need this renewed vigor because the composition of rural America has changed dramatically," Bergland says. "In the span of time from 1940 to 1965, 20 million people moved off the farm."

Along with that demographic shift, Bergland says that there has been a change in the attitudes of the rural population — a change that demands a reappraisal by all cooperatives about their business and role in rural America.

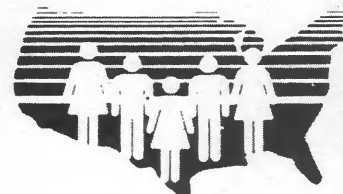
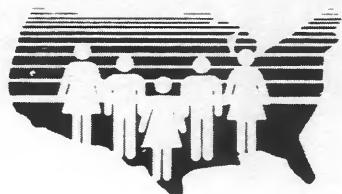
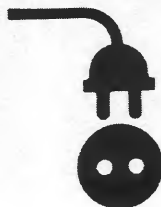
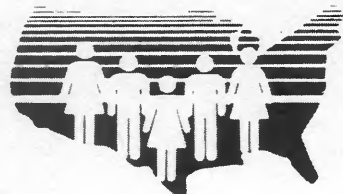
"My father is dead, but dad would have patronized the local cooperative no matter what because to him it was a matter of religion, an article of faith," he says.

But, Bergland says, his children's view of the world is different. "My kids say that, 'well, the co-op is an important part of the system of competitive enterprise, but there's a limit to how much I can afford to give them above the marketplace rate,'" he says. "So I think that cooperatives have to find their business niche without giving up the role of providing leadership and service that no non-cooperative business can commit to or undertake." To do so will take a better understanding of the composition and

attitude of the changing rural population, as well as a better understanding of the cooperative's role in working toward building a strong economic structure for rural America.

According to Bergland, not much is known about today's rural mix. "In the rural electric area, for example, we know that we have 10 million consumers and we know that one million farm for a living," he says. He adds that there are an additional 1.5 million part-time or "hobby farmers" and they divide \$25 billion in wages earned in the local communities and live comfortably. "While not depending on the farm economy, they are still rural residents," he said. "This leaves 7.5 million rural families served by rural electric co-ops that are not directly involved in production agriculture. We don't know much about them."

Bergland's NRECA is undertaking a detailed national survey to find out. In doing so, Bergland hopes that the information will direct rural electrics in rural development areas and non-ag job creation because, in his view, there will be few new jobs in the farming industry. "In general, we're not going to see a massive demand for labor on the farm anytime soon," he



they needed, they said, was a presentation to show them how to avoid wasting energy.

While a video presentation initially seemed like a good idea to the AIEC staff, Regal 8 people said they preferred slides because their training setup is based on the use of filmstrip projectors, and it is fairly simple to transfer a set of slides onto a filmstrip.

In Regal 8 Inns' training program, new employees view several filmstrips that explain the best way to perform certain tasks, and employees go through an occasional "refresher" to keep the good habits they have learned.

The motels are not involved in food service and large convention business, so the task became a matter of treating each room almost like a single residence and going from there, with the main difference being that the motels have pools.

From a simple slide show, the job soon branched into two distinctly different shows for Regal 8, and a third, "generic" motel presentation has also been spun off the series, for other motels interested in keeping energy costs low.

One presentation was directed toward management to provide an overview of potential energy improvements to their buildings. The other was aimed at providing guidance to maintenance and housekeeping people on low-cost or no-cost energy improvements they could take advantage of in their daily activities.

The "management" slides go over possible changes to the buildings to make them more energy-efficient, such as caulking, weatherstripping and lighting, also suggesting wall, window and door changes in the event the motels get involved in renovation in the future. The present motel units, many built before the severity of the energy crunch became apparent, generally have considerable window space, limited insulation and are relatively prone to air leakage.

The "employee" slides deal with changes in routine that are important in keeping costs down. As an example, the AIEC learned that, as the motels start filling up at about 5 p.m. employees would go down each hallway turning on heaters or air

conditioners, depending on the season. That creates considerable demand, which is metered separately in the motels, as it is with most large loads, and high demand makes for high costs. Starting units a few at a time over a longer period can help hold down demand.

Other employee chores, while not geared to large, one-time energy savings, receive attention, too. Housekeeping personnel are urged to shut off dripping faucets and to make a note of those that will not shut off completely, so maintenance workers can follow up immediately. Laundry workers are encouraged to use high-energy machines on a staggered basis, instead of all at once.

Controlling energy use related to the swimming pools is more difficult. Decreasing the pool water temperature could produce some savings, but is not considered a practical thing, management determined. Some of the motels in the chain have indoor pools and it was suggested that the firm might want to shut them down in the winter, that depending on management's idea of how important their pools are in attracting cold-weather customers.

Whether pool savings are realized or not, the company is pleased with the slide shows and the results of their energy-efficiency drive. Jack Dotts, one of the company's financial planners, notes that the presentation was enthusiastically received at a regional meeting last spring in Orlando, Florida, and that the program has saved money.

"We used the 1983-84 fiscal year as a jumping-off point," he says, "and we took degree-day figures into account, as well as some costs our innkeepers couldn't control, to set up the program."

He figures the chain has saved just over \$20,000, and has paid out almost \$4,000 in bonuses to managers and employees.

"It has taught our people to pay attention to their meters, to document their kilowatt-hour usage and to keep an eye on the little common sense details we may have overlooked in the past.

"It has worked well for us," Dotts concludes, "and we're using the slide shows and the incentive program as an ongoing cost-cutting program."

"It has worked well for us and we're using the slide shows and incentive program as an ongoing cost-cutting program."



manager's report

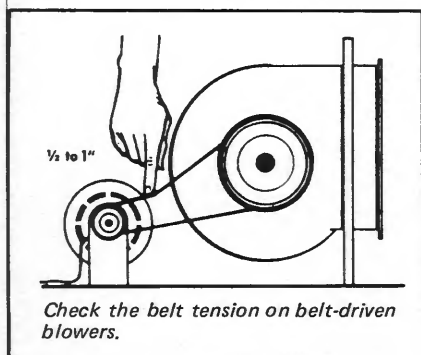
by Robert E. Pendell, Manager

watts no

IREN SUPPLEMENT

Check your heating system before winter

Furnaces: Read the owner's manual as it will help in understanding your heating system. All belt-driven models should be checked for belt wear and proper belt tension. Oil the motor if it



has cups or plugs over the bearing on each end of the motor. Caution! Do not over-oil. On belt models, oil the

Exercise vital for fitness

When was the last time you exercised — or even thought about exercise?

The U.S. Department of Agriculture reminds you that if you exercise often and regularly, you will feel better, eat better, look better, work better and enjoy living more.

Proper and regular exercise does you a lot of good. It strengthens the heart muscle, improves overall muscle tone, increases lung and respiratory capacity, increases endurance, reduces fatigue, improves circulation, improves overall physical appearance.

The exercise can be hiking, swimming, jogging, walking, dancing, playing, participating in some sport, or whatever.

You should consult a doctor before you begin. But exercise is only a part

shaft bearing of the fan. Vacuum fan blades with care. The frames of the furnaces and many other heating systems are grounded, therefore, a faulty vacuum cleaner could cause you to receive an electrical shock. On fossil fuel furnaces, check all flues and chimneys for leaves and bird nests. Check brick and rock chimneys for faulty mortar joints. Make sure ignitable items, such as clothing cobwebs and paper are not too close to flues. Check all supply and return openings to be sure they are not blocked by furniture, drapes, and other items.

Wood or coal burning equipment: These vary greatly in type and design, but a good inspection of grates, fireboxes and chimneys should turn up possible trouble spots. Acquaint your-

of being fit.

The other part is a good diet. Good eating habits, based on moderation and variety, can help keep you healthy, may even make you feel better.

Here are some suggestions for good eating habits, provided you have no particular health problems requiring a special diet.

Eat a variety of foods, maintain your ideal weight, avoid too much fat, saturated fat and cholesterol, eat foods with adequate starch and fiber, avoid too much sugar and sodium, select foods from each of several food groups daily, fruits and vegetables, whole grain and enriched breads, cereals and other grain products, milk, cheese, yogurt, and other dairy products, meats, poultry, fish, eggs, dry peas and beans, and other protein foods.

self with the danger of creosote deposits, especially in the chimneys.

Individual room heaters: Check for foreign matter such as lint, paper and hair. Vacuum and turn them on while you can open the doors and windows. Burning the dust off can be extremely irritating to the nose, eyes and throat. Lint should be blown out of thermostats. A hand hair dryer can be used for this, with the dryer on the cool setting.

Word of warning: If you attempt to service any heating system, be aware of the possible hazards. If you fail to get the proper flame color, or have doubts about your ability to service your equipment properly, call an experienced serviceman.

Board officers for coming year

On September 23, 1985, the directors met for their regular monthly board meeting. The first order of business was the reorganization of the board. By secret ballot the following board members were selected as officers of your Cooperative for the ensuing year: Donovan Lawyer of Industry, president; Kenneth Moore of Good Hope, vice president; Wade R. Blansett, Macomb, secretary; Harold Anderson, Roseville, treasurer.

The regular board meeting date was changed to the fourth Tuesday of each month.

Happy Thanksgiving
from the
Board and Staff
of
McDonough Power
Cooperative

DIRECTORS

Donovan Lawyer, President
 Kenneth Moore, Vice-President
 Wade Blansett, Secretary
 Harold Anderson, Treasurer
 Howard Butler
 James Conley
 Thomas Curtis
 Lyndall Pigg
 Bill Pollock
 John D. McMillan, Attorney

McDonough Power Cooperative
MACOMB, ILLINOIS 61455
All Co-op Electric Outages 837-1400

'Name-a-minute' winners

Throughout the business meeting at the annual meeting of the Cooperative, a member's name is drawn each minute. If the member is present at the meeting, he receives a \$25 credit on his September energy bill. Following are the members' names drawn and the asterisk indicates those who were present and received the \$25 credit.

- Joseph C. Acklin, Abingdon
- Icle Adams, Stronghurst
- James Adkisson, Roseville
- Rick Allaman, Colchester
- Lyle Allen, Berwick
- Jeff Anderson, Avon
- Steve Arnold, Adair
- John E. Babcock, Roseville
- Clarence Bainter, Macomb
- Harold Baker, Jr., Bushnell
- John Barker, Table Grove
- Raymond Bartlow, Littleton
- Florence Baxter, Roseville
- George Beckman, Bushnell
- M. Dale Bertelsen, Monmouth
- Ron Bilbrey, Colchester
- Jesse Bond, Sciota
- K. R. Bradley, Plymouth
- Gary Brooks, Macomb
- Edna Broyles, Industry
- Robert Bulthaus, Macomb
- Jay Butler, Macomb
- John D. Bybee, Vermont
- Al Cameron, Macomb
- Wm. E. Carnahan, Industry
- Keith Carson, Macomb
- Eldon F. Ceder, Blandinsville
- Donald G. Chapman, Bushnell
- Leo Chockley, Industry
- Ed Coker, Macomb
- Mike Colsh, Macomb
- Lee Coons, Roseville
- Estelle Coulter, Colchester
- Otto Crain, Abingdon
- Roger Cress, St. Augustine
- Hazel Curless, Bushnell
- Harold Damewood, Monmouth

- Harry Darst, Macomb
- C. G. Dean, Avon
- John Decker, Macomb
- Walter E. Derry, Macomb
- Keith Dochterman, Macomb
- David L. Dodd, Colchester
- Daniel L. Draper, Abingdon
- Max Dunseth, Sciota
- Earl Edgar, Cameron
- Mitch Elliott, Macomb
- John Ewen, Jr., Roseville
- Rodney J. Fink, Macomb
- *Glen E. Foster, Colchester
- Howard Frakes, Industry
- Robert Francis, Kirksood
- James Fritz, Abingdon
- Roger Gedney, Macomb
- James Gispon, Monmouth
- James Graham, Adair
- Ralph Haar, Avon
- Blake Haffner, Prairie City
- D. G. Hall, Colchester
- Dennis W. Hammitt, Monmouth
- Robert Hardy, Roseville
- Harold D. Hasting, Monmouth
- Armand Havens, Good Hope
- Stanley Heaton, Industry
- Gene Hendrickson, Plymouth
- Harold M. Hickerson, Galesburg
- Robert Hocker, Macomb
- Hazel Hopping, St. Augustine
- Michael Hull, Sciota
- Darwin Irwin, Rushville
- Dean Jefferson, Colchester
- Adrain Johnson, Macomb
- Stephen Johnson, Cameron
- Robert O. Jones, Berwick
- Lee Keithley, Blandinsville
- Elmer E. Kilburn, Berwick
- Dean Knappenberger, Sciota
- James Konkler, Colchester
- Jack LaFayette, Stronghurst
- Bennie Lawrence, Rushville
- Ronald Leftridge, Industry
- Minnie Lewis, Macomb
- Chris M. Lincoln, Abingdon
- Robert Little, Macomb

- Eugene Luster, Blandinsville
- Harold Markley, Bardolph
- Guy Martin, Marietta
- Robert McCarty, Vermont
- Ronald McFadden, Marietta
- Larry A. McLouth, Bushnell
- Mark E. Meyer, Avon
- *John W. Miller, Industry
- Albert E. Moore, Cameron
- John J. Mowery, Avon
- *Donald J. Nelson, Macomb
- Old Bedford Church, Stronghurst
- James D. Parrott, Media
- Maurice E. Petterson, Macomb
- John F. Pool, Avon
- John C. Race, Colchester
- Isabelle Reno, Macomb
- Wendell Robinson, Adair
- Douglas Ruhl, Abingdon
- Raymond Scapecchi, Macomb
- Carole A. Seck, Macomb
- Donald Sickles, Monmouth
- Mildred Sloan, Plymouth
- Don Sprinkle, Littleton
- Lauren Still, Cameron
- Ralph Swedlund, Galesburg
- Keith Thomas, Blandinsville
- John Triboulet, Marietta
- Paul VanArsdale, Media
- John M. Walters, Kirkwood
- Keith Wells, Macomb
- Merle Whiteside, Good Hope
- Mark W. Wilson, Industry
- Dick Woolam, Macomb
- Dennis Young, Roseville
- Jerald L. Zimmerman, Blandinsville

Vacationing?

If you are going to get away from the snow, ice and cold winds by going south, please do not forget to let the Cooperative know how you wish to arrange for your electrical bills while you are away.

The Cooperative has no way of knowing you are away. There are several ways you can arrange this, whichever is most convenient for you, the member.

DEAN'S 'FIRE' STONE

**Instant
fire
starter**



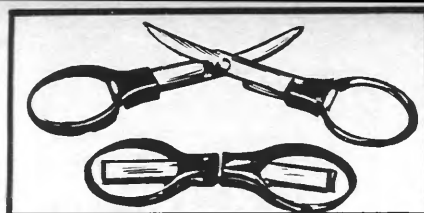
**Instant
fire
starter**

- blazing fire in 10 minutes
- reusable tray and stone
- no kindling or newspaper needed
- uses 4 oz. of kerosene to start your fireplace

(Manufactured by a farmer with a need to diversify.)

To order:
Send \$12 (\$10 plus \$2 postage and handling)
to: Dean Fireplace Accessories, Astoria, Ill. 61501

Name _____
Address _____
City _____
State _____ Zip _____



DELUXE FOLDING SCISSORS 79¢

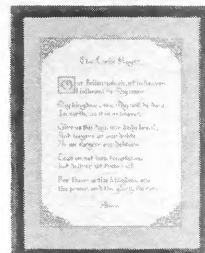
An open & shut case of convenience. Quality steel blades, cushioned plastic handles. Ingeniously engineered to fold to absolutely safe 3" size to slip easily into pocket, purse, sewing kit, first aid kit, glove compartment, tackle box, etc. Great for in-store coupon clipping. Vinyl case included. A great value at only 79¢ Pr. 2 Pr. \$1.50 6 Pr. \$4.25 1 Dz. \$7.95 ppd. Fund Raisers write for quantity prices. Money-back guarantee. Pls. allow up to 6 weeks for delivery.

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A PRECIOUS GIFT!

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Original, hand lettered script with burnished gold accents. Reproduced on antiqued parchment paper of timeless elegance. Beautifully preserved under glass in luxurious walnut grain, wood tone frame. Overall size 11 1/2" W x 14 1/2" H. For wall mount or table top display. Specify King James or Douay version.

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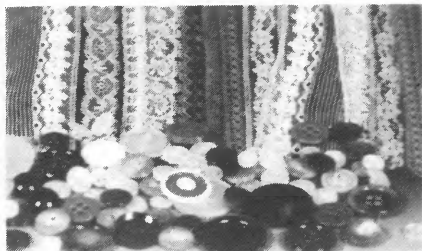
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40 YARDS LACE \$1.75

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. Only \$1.75 or double orders \$3.35. 3 orders just \$4.95. Pts. include 50¢ pstg. and hdng with EACH set of 40 yards you buy. Satisfaction guaranteed! FREE with lace 50 BUTTONS! 50 New, High Quality Buttons. Assorted colors, sizes and shapes. Sent FREE with each lace order. Please allow up to 6 weeks for delivery.

Lace Lady, 1602 Locust St., Dept. BL-642

St. Louis, MO 63103



SOTZ AIRTIGHT WOODSTOVES

AS LOW AS **\$27.47**

Most Efficient Kits—Patented
Internal Draft Channel
Mounted to inside of door on
heavy steel kits only.

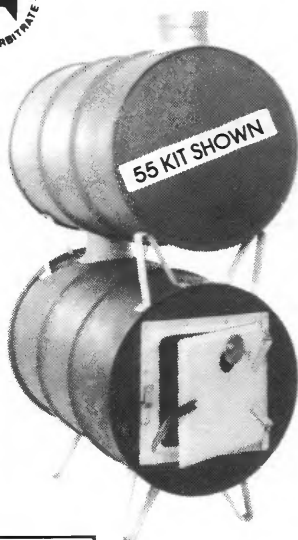
Original 15-30 and 55 Gal. only.
Air entering top draft control is
pre-heated as it is drawn down
inside of door, air is sucked into
bottom of heater with a turbulent
action, mixing with the wood
gases, making these 2 heavy
steel models sparkproof and tops
in efficiency, life-time heavy steel,
tapered formed, self-adjusting
door and frame seal.

Over 300,000 In use



HEAVY
STEEL
SHOWN
HERE

GUARANTEE. Try the Sotz Heater Kit at our risk. If (within one year) you don't agree it outperforms any wood heater money can buy, or if it ever cracks, warps, or burns up, your money will be refunded. Including shipping charges.



Kits convert 15 to 55 gal. drums (not supplied) into high capacity stoves.

ALL STEEL & CAST IRON STOVES FEATURE:

- Airtight design and draft control engineered to limit the amount of oxygen entering stove for controlled, safe, efficient heat. Prevents over-firing so drums can't burn up.
- Use of draft control allows you to heat large or small areas. Basement installation heats your entire home. Great for your garage, workshop or cabin. Top drum squeezes 60% more BTU's from heat normally lost up the chimney. Bolts together quick and easy.

• Sotz Top Kit includes heavy duty connector pipe - Other brands don't.

Size Kit	Factory Pick-up	Del.
15-30 Gal. Bottom	\$27.47	\$31.47
55-Gal. Bottom	\$34.98	\$38.99
Cast Iron Bottom	\$29.96	\$34.96
Top Kit Fits All	\$17.97	\$20.93
Budget Heater	\$16.95	\$19.95
Safety Label	.50	.50

Automatic Draft Control

For Sotz Stoves	\$18.95	\$21.95
Spin Draft Stoves	\$21.95	\$24.95

"NOW" ALSO MADE IN CANADA

Prices: Call Toll Free 1-800-465-3333 or write:
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BUDGET HEATER

NEW

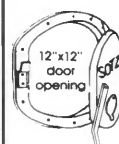
Fits
15 thru
55-gal.
Drums
\$16.95
Factory pick-up



- Spark Proof
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- Priced Below Leaky Imports
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Designed for the budget shopper. For occasional heating jobs such as workshop, cabin or other. Average combustion efficiency. Stove parts similar to Sotz 30-gal. stove kit, except without patented internal draft channel, has spark arrestor shield instead. Draft control on bottom of door.



ECONOMY CAST IRON

\$29.96
Factory pick-up

Kit fits drums
from 30-55 gallon

Airtight Gasketed Door

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Sotz Inc., 13668-N5 Station Rd., Columbia Station, OH 44028

and an antivibration system. Handguards are important to keep the hands from slipping onto the chain. A safety-tip covers the end of the guide bar and chain and reduces the chances of kickback. The chain brake is designed to instantly stop the chain if kickback occurs. The chain brake also can serve as the front handguard. The throttle lockout acts as a guard against unplanned chain motion. A spark arrester (gas models only) keeps the carbon that builds up in the manifold from being ejected as sparks in the exhaust. This reduces the chance of fire in the woods. Special chains are designed to reduce the risk of kickback. The chain catcher helps reduce the risk of injury in the event a chain breaks during operation. Some saws are equipped with an antivibration system which makes operation of the saw easier and helps reduce operator fatigue and stress.

Consider Other Useful Features

A chain saw with a thumb-operated kill button, a compression release button and an automatic chain oiler also may make your wood cutting experience more enjoyable and safer. The kill button immediately shuts the engine off. It enhances the saw's safety features. The compression release button makes the saw's starter cord easier to pull. The auto-oiler lubricates the chain each time you pull the throttle trigger.

Most saws are built for right-handed operators, Bolin points out. If you're left-handed, a right-handed saw puts you into an awkward operating position and may increase the risk of injury. Check to see if there is a left-handed model available.

Be sure you are well acquainted with the saw's features and how it should be properly operated. Learn how to shut off the saw instinctively without looking for the kill switch. If you don't understand something, take it back to the dealer and ask him to explain it to you.

"Don't assume the saw's in tip-top condition," Bolin stresses. "Check to see that all the parts are in good repair. Tighten any loose nuts or screws. The chain needs constant attention. Periodically check its tension on the guide bar and sharpness of the chain teeth.

With a little experience, you will be able to tell when the chain needs sharpening. A dull chain just increases your risk of injury."

Always Wear Protective Clothing

Your saw can be in great shape, but if you're inappropriately dressed for the job at hand, your chances for injury increase, Bolin warns. Before you ever pull the starter cord make sure you're equipped with a hard hat, safety goggles, sure-grip gloves, ear protectors, safety shoes and trim-fitting clothes.

"Eye, ear and head protection are musts," he stresses. "The saw is very noisy and could damage your hearing over a period of time without hearing protection. Wood chips, bark and sawdust fly when the saw's in operation. Eye protectors minimize the chance of vision loss or obstruction. You never know when a rotten limb may come crashing down on your head. A hard hat will help provide impact protection.

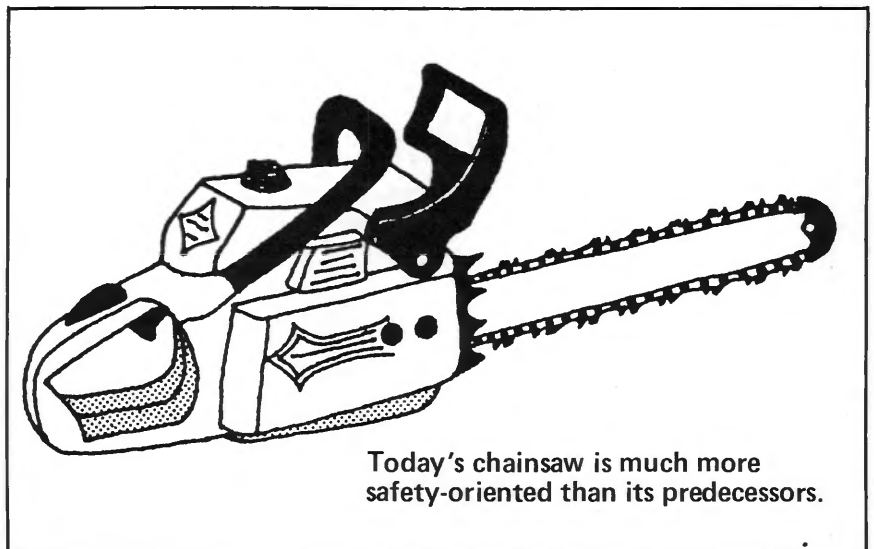
To maintain control, you need a good grip on the saw. Leather gloves are recommended. Heavy logs can take a toll on toes. Safety-toed shoes with non-slip soles are recommended. Baggy clothing can easily become tangled in the brush and cause you to fall. Loose-fitting clothes can be caught by the moving chain as well, Bolin adds.

Observe Safe Operating Procedures

- Never carry a saw with the motor operating. Always carry the saw so that the guide bar and chain point behind you, and the muffler is away

from your body. The guide bar sheath should be used when the saw's not operating.

- Never work alone. Have someone assist you.
- Make sure that the work area is free of any debris or vegetation that might interfere with the chain and cause kickback.
- Make provisions for a refueling site that is at least 10 feet from where the saw will be started and operated.
- Never refuel a hot saw. Let it cool down at least 10 minutes before adding gasoline. This will also give you a chance to relax for a few moments.
- Always put the saw on the ground and hold it down firmly when starting. Never attempt to start your saw on your leg or knee.
- When the saw starts make sure the chain does not rotate when it is idling.
- Always hold a running saw firmly with two hands using the proper grip described in the operating manual.
- Use the proper stance. Never lean forward or sideways to cut.
- Make sure your body and legs are clear of the path the saw will follow after the cut is complete.
- Begin all cuts at top saw speed and maintain top speed throughout the cut.
- Never operate the saw above waist level.
- Turn the saw off and make sure the chain stops before any adjustments are made.
- Avoid fatigue. Take frequent breaks to rest.



Today's chainsaw is much more safety-oriented than its predecessors.



manager's report

by Robert E. Pendell, Manager

watts no

IREN SUPPLEMEN

MERRY CHRISTMAS

"May you have the Spirit of Christmas
which is Peace,
The Gladness of Christmas
which is Hope,
And the Heart of Christmas
which is Love."

from the Directors, Manager and Employees of
McDonough Power Cooperative

DIRECTORS

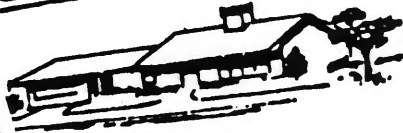
Donovan Lawyer, president
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Wade Blansett, secretary
Harold Anderson, treasurer
Howard Butler
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Lyndall Pigg
Bill Pollock
John D. McMillan, attorney
Robert E. Pendell, manager

EMPLOYEES

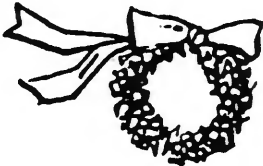
Hazel Baker	LaVern McEntire
Gary Budreau	Tim Norton
Lou Davis	Leon Olsen
Charlene Distefano	Ron Paulsen
Dick Dunsworth	Mark Peyton
Wayne Evans	Roger Robeson
Frank Fay	Della Stump
Royce Headley	Kent Sullivan
Bill Weingartner	

Office closing

Your Cooperative office will be closed December 25 in observance of
Christmas and on January 1, 1986, in observance of New Year's Day.



It ain't th' kind o' place y' live.
And it ain't the splurge an' show —
Er how y' rate in worldly goods
That sets yer heart aglow. . .



It ain't th' wreath upon yer door,
Er th' candle's cheery light;
Er what y' spend fer tinsel'd things,
That makes yer Christmas bright. . .



Ner is it jest th' gifts y' get —
All wrapped an' fancy tied. . .
It's what y' Give — an' what y' Share —
An' "Th' way y' feel inside!"

DIRECTORS
 Donovan Lawyer, President
 Kenneth Moore, Vice-President
 Wade Blansett, Secretary
 Harold Anderson, Treasurer
 Howard Butler
 James Conley
 Thomas Curtis
 Lyndall Pigg
 Bill Pollock
 John D. McMillan, Attorney

McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

Outages

When reporting an outage, it is important that you have your location number. This number is located in the lower left hand corner of the billing stub the member is to retain. This number tells our linemen exactly where you live. Also be certain to check your breakers and fuses to be certain the problem is not on your premise. Check with your neighbors to see if they have power.

CALL 837-1400 — There is always someone at this number 24 hours a day.

Registry

McDonough Power Cooperative maintains a registry of those members who are dependent on any electrically operated respirator, dialysis machines or any other electrically operated life support equipment.

It shall be the responsibility, however, of any individual relying on any life support equipment to notify the Cooperative of his or her dependency on such life support equipment.

The Cooperative requests that upon notification from the member of such life support equipment, a written certification, which the Cooperative will mail to the member, be executed.

your tree, never candles. Check lighting sets before placing them on the tree. Those with frayed wires should be discarded before they can cause real damage. When you buy a new set, be sure to look for the UL tag or label.

The lights should always be turned off when everyone is away from home, and always when everyone has retired.

Check tree for dryness from time to time. If needles near lights have started to turn brown, change the position of the lights. When the needles start falling, take the tree down and discard it outdoors.

Estimated Wind Speed MPH	ACTUAL THERMOMETER READING °F.											
	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
	EQUIVALENT THERMOMETER °F.											
Calm	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60
5	48	37	27	16	6	-5	-15	-26	-36	-47	-57	-68
10	40	28	16	4	-9	-21	-33	-46	-58	-70	-83	-95
15	36	22	9	-5	-18	-36	-45	-58	-72	-85	-99	-112
20	32	18	4	-10	-25	-39	-53	-67	-82	-96	-110	-124
25	30	16	0	-15	-29	-44	-59	-74	-88	-104	-118	-133
30	28	13	-2	-18	-33	-48	-63	-79	-94	-109	-125	-140
35	27	11	-4	-20	-35	-49	-67	-82	-98	-113	-129	-145
40	26	10	-6	-21	-37	-53	-69	-85	-100	-116	-132	-148
Wind Speeds greater than 40 MPH have little additional effect	LITTLE DANGER FOR PROPERLY CLOTHED PERSON			INCREASING DANGER				GREAT DANGER DANGER FROM FREEZING OF EXPOSED FLESH				

To use the chart, find the estimated or actual wind speed in the left-hand column and the actual temperature in degrees F. in the top row. The equivalent temperature is found where these two intersect. For example, with a wind speed of 10 mph and a temperature of -10°F, the equivalent temperature is -33°F. This lies within the zone of increasing danger of frostbite, and protective measures should be taken.

Watch that wind chill factor

Now that winter is well under way, we have been hearing weather reports warning of the wind chill factor. But what is wind chill and how does it affect us?

In the summer, when a breeze blows over a sweat-covered arm, that arm feels cooler. The same applies in the winter. The harder the wind blows, the faster the body loses heat. People in turn feel colder as wind speed increases. What is comfortable in a

coat at 30 degrees becomes a bone-chilling 16 degrees with just a 10-mile-per-hour wind.

Wind chill also affects homes and buildings. A windbreak of trees or other buildings will result in a warmer home or working area, or even a warmer shelter for animals.

The next time you take a look at your outdoor temperature, be sure to see how hard the wind is blowing and dress accordingly.

Beware of that Christmas tree

Care should be taken in erecting and decorating your Christmas tree. A tree contains natural resins that ignite easily and burn readily.

Do not block exits with trees. They should not be set close to stairways because in case of fire, the exit from upper floors would be blocked.

In choosing your tree, choose one that appears freshly cut. Keep the tree out of doors until just before Christmas and keep it standing in a pail of

water so it will remain fresh.

Place the tree in the coolest part of the room. It should be as far as possible from the fireplace. This will reduce the chances of fire and keep the tree from drying.

Use a tree stand that has a water container in which the trunk can rest. Most trees drink water fairly fast, so fill the water container daily.

Christmas tree decorations should be flameproof. Use only decorations made of glass, metal or fire resistant material.

Use only electric lights to decorate

DEVILED SPARERIBS

- 4-5 lbs. back spareribs
- 2 teaspoons butter or margarine
- 1/2 cup onion finely chopped
- 1 clove garlic, minced or pressed
- 3/4 cup chili sauce or catsup
- 3/4 cup tomato juice
- 1-8 oz. can crushed pineapple
- 2 tablespoons dejon mustard
- 1 teaspoon ground cumin
- 1 cup green chilies drained

Cut spareribs into serving pieces, trim excess fat. Place ribs (single layers) in a large shallow roasting pan. Bake uncovered at 350° for 1 hour. Melt butter in 2 quart pan over medium heat. Add onion and garlic, cook until onion is limp. Stir in remaining ingredients. Simmer uncovered 20 minutes, stirring occasionally. After 1 hour discard fat from roast pan, pour sauce over ribs. Bake uncovered for 1 hour longer, turning ribs and basting until meat is fork tender. Place on serving platter, skim off remaining fat. Put sauce in bowl and pass with meat.

PORK ROAST MEXICANA

- 1/2 teaspoon salt
- 1/8 teaspoon garlic powder
- 1/2 teaspoon chili powder
- 1-4 lb. boneless pork roast
- 1/2 cup apple jelly
- 1/2 cup catsup
- 1 tablespoon vinegar
- 1/2 teaspoon chili powder
- 1 cup crushed corn chips

Combine garlic powder, salt and 1/2 teaspoon chili powder, rub into roast. Place meat on rack in shallow roasting pan. Insert meat thermometer, roast uncovered in 325 degree oven for 2 1/2 hours or until meat thermometer registers 165 degrees. In a saucepan combine jelly, catsup, vinegar and 1/2 teaspoon chili powder. Bring to a boil, reduce heat, simmer uncovered for 2 minutes. Brush roast with glaze, sprinkle top with chips. Continue roasting 10-15 minutes more or until thermometer registers 170 degrees. Let roast stand 10 minutes outside oven. To gravy left in roasting pan including chips, add enough water to make 1 cup. Heat to boiling. Serve with meat.

CORN CASSEROLE

- 2 tablespoons butter
- 1/2 green pepper, minced
- 1 small onion, minced
- 2 tablespoons flour
- 1 cup milk
- 1 pimento, chopped
- 2 cups cream style corn
- 1 tablespoon sugar
- 1 teaspoon salt
- 1/2 teaspoon dry mustard
- 2 well beaten eggs
- Bread crumbs

Melt butter, add pepper and onion. Cover, cook 5 minutes. Add flour, mix well. Add milk, cook until thick. Add corn, pimento and seasonings. Remove from heat, stir in beaten eggs. Pour into a well greased 1 1/2 quart casserole dish. Cover with bread crumbs. Bake until thick at 350 degrees for 60 minutes.

CRANBERRY SALAD

- 1 can whole cranberries
- 1 cup chopped celery
- 1/2 cup chopped pecans
- 1 pkg. black cherry jello (small)
- 1/2 cup chopped oranges

Mix jello by directions on box. Add cranberries. Let partly chill. Add remaining ingredients, mix well. Return to refrigerator and jell.

MACARONI AND CHEESE

- 8 oz. elbow macaroni
- 4 tablespoons butter
- 4 tablespoons flour
- 2 cups milk
- 1 teaspoon salt
- 1/8 teaspoon pepper
- 1/2 lb. yellow American cheese

Cook macaroni until tender. Drain and rinse. Make white sauce by melting butter, blend flour and salt. Stir until smooth. Add milk slowly, cooking until sauce is thick. Combine grated cheese and macaroni with white sauce. Pour into casserole and bake at 350 degrees for 30 minutes.

CHICKEN MACARONI CASSEROLE

- 1 1/2 to 2 cups cooked elbow macaroni
- 1 cup grated cheese
- 1 1/2 cups cooked chicken, cubed
- 1/4 to 1/2 cup diced onion
- 1/2 to 1 cup diced celery
- pimiento for color
- 2 tablespoons butter or margarine
- 2 tablespoons flour
- 1 teaspoon salt
- 1/8 teaspoon pepper
- 2 cups milk

Mix first 6 ingredients in large mixing bowl. Set aside. For sauce, melt butter or margarine and blend in salt, flour, and pepper. Gradually add milk stirring constantly until thick. Place chicken mixture into long casserole dish. Pour sauce over top and bake at 350 degrees for 45 to 50 minutes.

HONEY SWEET POTATOES

- 2 1/2 cups mashed (cooked or canned) sweet potatoes
- 1/2 cup mini marshmallows
- Dash of pepper
- 1 cup chopped pecans
- 1/2 cup honey
- 4 tablespoons oleo or butter, melted
- 3/4 teaspoon salt

Combine potatoes, pepper, salt and 2 tablespoons butter. Stir in marshmallows. Pour in casserole dish. In heavy skillet heat 1 tablespoon butter with honey. Pour over sweet potato mixture. Sprinkle nuts over potato mixture. Drizzle with remaining butter. Bake at 350 degrees for 15 to 20 minutes.

FRUIT SALAD

- 1 large can pineapple chunks
- 2 oranges
- 1 cup nuts
- 1 cup miniature marshmallows
- 1 cup whipping cream
- 2 tablespoons flour
- 2 eggs
- 1/2 cup sugar

Drain pineapple, place juice in double boiler. Mix sugar, flour, salt and add eggs. Pour this mixture into juice and cook until thickened. Stir constantly. Cool and cut oranges in small pieces. Add pineapple chunks, nuts and marshmallows. Add this to cooled sauce. Before serving, add whipped cream and a little coconut if desired.

JOSEPH COAT SALAD

- 1/3 cup vinegar
- 1/2 cup water
- 3/4 cup sugar
- 2 tablespoons flour
- 2 tablespoons prepared mustard
- 2-16 oz. pkgs. frozen mixed vegetables
- 1/2 cup diced onions
- 1/2 cup celery, diced
- 1/2 cup diced green pepper
- 1 small jar pimento

Cook vegetables according to package directions, set aside. Mix vinegar and water together. Mix thoroughly the sugar, flour and prepared mustard. Add to vinegar and water, cook until thick, then beat with wire whisk or perforated spoon. Drain vegetables, pour hot sauce over vegetables and combine. Add remaining ingredients, mix well. Let stand 24 hours in refrigerator before serving.

BROWN SUGAR DROP COOKIES

- 1/2 cup soft margarine
- 1 cup brown sugar
- 1 beaten egg
- 1/2 cup Milnot plus 1 tablespoon vinegar or lemon juice
- 2 cups flour
- 2 teaspoons baking powder
- 1/2 teaspoon baking soda
- 1/2 teaspoon salt
- 1/2 teaspoon nutmeg
- 1 cup chopped nuts

Mix together margarine, sugar, egg and Milnot plus vinegar or lemon juice. Add remaining ingredients and bake at 400 degrees for 12 to 15 minutes.

DANISH SUGAR COOKIES

- 1/2 cup soft margarine
- 1/2 cup shortening
- 1 cup sugar
- 1 egg
- 1/2 teaspoon vanilla
- 2 cups flour
- 1/2 teaspoon baking soda
- 1/2 teaspoon cream of tartar
- Pinch of salt

Combine first five ingredients together and mix well. Add remaining ingredients and roll in small balls, then roll in sugar. Mash down with glass and bake at 350 degrees for 10 minutes.

PEPPERMINT PINWHEELS

- 3/4 cup (1 1/2 sticks) butter, cut-up
- 3/4 cup sugar
- 1/2 teaspoon peppermint extract
- 1 1/2 cups sifted all-purpose flour
- 1/4 teaspoon baking powder
- 1/4 teaspoon salt
- Red food coloring
- Green food coloring

In small bowl of mixer, beat butter until creamy. Gradually add sugar and peppermint extract; beat until fluffy. Sift together flour, baking powder and salt; gradually add to creamed mixture, mixing well. Remove half of dough to another bowl (about 1 cup) stir in a few drops red food coloring. Tint dough remaining in mixer bowl with a few drops green food coloring, stirring until color is even. Roll green dough between sheets of waxed paper to form a 16 x 6-inch rectangle. Repeat with red dough. Invert red dough on green dough and peel off paper. Press gently with rolling pin. Roll dough up as for jelly roll from long side. Wrap in waxed paper and chill overnight. Slice 1/4-inch thick and place on buttered baking sheets. Bake at 350 degrees 10 to 12 minutes. Cool on wire racks. Store in airtight containers. Makes 64 cookies.

PECAN PIE

- 1 1/2 cups light corn syrup
- 1/4 cup butter or margarine
- 3 eggs, slightly beaten
- Dash salt
- 1/2 cup sugar
- 1 cup pecan halves
- 1 teaspoon vanilla

Combine corn syrup, sugar and butter or margarine in saucepan, bring to boiling. Boil gently uncovered 5 minutes, stir occasionally, cool slightly. Combine eggs, vanilla and salt, pour cooled syrup mixture into eggs, beat well. In a 9-inch pie plate that has been lined with pastry, place pecans in bottom. Pour mixture over pecans, bake for 30-35 minutes in 375 degree oven or until knife inserted near center comes out clean.

SINGLE PIE CRUST PASTRY

- 1 1/4 cups all-purpose flour
- 1/3 cup shortening
- 1 1/2 teaspoons salt
- 3-4 tablespoons cold water

Mix together flour and salt. Cut in shortening until pieces are very small. Sprinkle 1 tablespoon water over part of the mixture. Toss with a fork, push to side of bowl. Repeat procedure until all is moistened. Form dough into ball on slightly floured surface. Flatten ball with hand and roll.

BUTTER CAKE

- 1 pound oleo or butter
- 3 cups sugar
- 6 eggs
- 4 cups sifted cake flour
- 3/4 cup milk
- 1/2 teaspoon vanilla extract
- 1 1/2 teaspoons rum flavoring

Cream sugar and butter, add eggs one at a time, beating 1 minute after each egg. Add milk and flour alternately. Add flavorings. Bake at 350 degrees for one hour and forty minutes. Use an angel food cake pan.

OLD FASHIONED TEA CAKES

- 1 cup butter
- 3 eggs
- 1 teaspoon soda
- 1 teaspoon vanilla
- 2 cups sugar
- 2/3 cup buttermilk
- 2 teaspoons baking powder

Mix all ingredients, adding enough flour to make a stiff dough. Roll out on floured surface about 1/4 inch thick, cut into desired shape.

COCONUT COOKIES

- 2 cups crushed cornflakes
- 2 egg whites, beaten very stiff
- 1/2 cup coarsely chopped pecans
- 1/2 teaspoon vanilla
- 1 cup brown sugar
- 1 cup shredded coconut
- Pinch of salt

Mix all ingredients together, drop by spoonfuls on greased cookie sheet. Bake at 350 degrees until brown.