

is also very important. Hull damage or too much or too little moisture content results in poor popping or tough popcorn, he says.

Beebe/Stevenson draws its history from the original popcorn company of Mildred and Joe Beebe, Jim's parents. In 1936 Mildred and Joe began growing popcorn. Selling corn mostly in 50-pound bags, they built their business. Many theatres in the area used their popcorn. In 1959, they moved the operation to Claytonville, and the business grew bigger. They were no longer able to produce all the corn they could sell, so they began contracting with farmers in the area. One of their big customers then, Jim says, was Cracker Jack. They even became popcorn exporters, shipping bulk supplies to Canada and overseas.

Before long they began packaging the small bags for retail sales, and in the following decades the company reached into two new markets: fund-raising organizations and private label packaging.

Stevenson, an Oxford, Indiana, resident who is married to Jim's sister, Teresa, began his involvement with the company in 1972. He is a farm manager for Farmcraft Service, managing farms in east-central Illinois and northwest Indiana. His farm management background has been valuable in development of the product line, packaging and advertising. Jim and his wife, Joy, live in Danville. She is a music teacher at Meade Park and Northeast Elementary Schools there, and she and Jim, a former English and music-theatre teacher, operate Sunshine II Productions, Ltd., a summer theatre production company in Danville.

The Beebe/Stevenson line of retail products is available in many outlets throughout the east-central Illinois area, explains David Drook of Champaign, sales manager. In addition, the firm can package gift packs to meet clients' special needs and has a standard gift pack of one quart of popcorn and one quart of soybean oil. This is available with or without salt, Stevenson adds. Custom packaging makes up about half of the company sales volume.

Many schools and youth organizations use Beebe/Stevenson in their fund-raising programs, he adds.

Beebe/Stevenson prides itself as an

Illinois company using Illinois resources. One of its biggest accounts is with the Illinois Farm Bureau, which has its own label put on the popcorn. In recent years, the Farm Bureau has used Beebe/Stevenson in its program of working with other states to introduce Illinois products to consumers in those other states.

Also involved in the operation are Tom and Karen Wellborn of Cissna Park.

Retail purchases may be made at the farm near Cissna Park, and the company is looking for distributors. Those interested in further information should call Beebe/Stevenson at 1-815-457-2293 and ask for Karen.

Opposite page top: Wayne Stevenson explains to Dave Champion, Eastern Illini manager, the workings of a machine used for packaging popcorn. Opposite page bottom: Jim Beebe. Below: Wayne Stevenson shows the small popcorn plant.





manager's report

by William C. Lemons

watts n

IREN SUPPLEME

Prevent electrical fires

Electricity starts fires in four different ways: overcurrent, high resistance fault, arcing and hot surfaces.

Fuses and circuit breakers are intended primarily to protect the house wiring, but they may not detect an overload in an extension cord or a fault in an appliance. A short circuit usually blows the fuse or trips the circuit breaker to shut off the power after the fault has already occurred. There is generally no built-in protection either for a high resistance fault or for hot surfaces. Only your vigilance and constant attention to properly maintained electrical equipment will prevent electrical fires.

Ways to prevent fires:

Don't overload the circuits. If the fuse keeps blowing or if the circuit breaker frequently trips, the circuit is probably being overloaded. To determine if the circuits in your home are being overloaded, add up the wattage of all the lights and appliances on each circuit. If the wattage of the appliances used at the same time exceeds 1,800 watts for a 15-ampere circuit or 2,400 watts for a 20-ampere circuit, the circuit is overloaded. Wattages are usually

shown on the nameplate of all appliances. Some typical examples are: television, hi-fi, mixer and blender, 250-350; toaster, griddle, fry-pan, hand iron, 1,000-1,500; and refrigerator, freezer, vacuum cleaner, 300-400.

Never replace a fuse with one having a higher ampere rating. Circuits in most older homes should use 15-amp fuses; in newer homes, 20-amp fuses. Special heavy-duty circuits for electric ranges and other appliances may utilize 25- or 30-amp or heavier fuses.

Keep appliance cords and extension cords in good condition. Replace rather than repair it if the insulation is frayed or brittle. Don't tack extension cords to walls as substitutes for permanent wiring and don't lay them under rugs and carpets.

Don't use an ordinary extension cord for any appliance that uses a great deal of electricity (toaster, iron, heater, air conditioner, etc.). An appliance that uses more than 600 watts (5 amps) should be equipped with special, heavy-duty cords with 14- or 16-gauge wires.

Caution: Sometimes extension cords may be labeled "heavy duty"

when only their insulation is thicker than normal. Their wiring is only 18 gauge, which is dangerous when using high-wattage appliances. Don't use an appliance that isn't working properly; get it repaired immediately.

Keep appliances with hot surfaces away from things that can be ignited. Check the underside of coffee and hot water pots, deep fat fryers and similar heating devices. They can become hot enough to set fire to the counter or table.

Keep paper and clothes away from light bulbs. Don't dry clothing by laying it over a lamp. Don't shield the light by covering it with material that burns.

If an appliance starts smoking, if it feels unusually hot, or if it is producing an odor, pull the plug or otherwise shut off the electricity. Don't use it again until it has been carefully checked and any fault corrected.

To avoid what could be a fatal shock, don't pour water on an appliance while it is plugged in. If the appliance is on fire, pull the plug or otherwise turn off the electricity. Use water only after the electricity is off.

How low are your electric lines?

In 1901 Congress passed a bill creating the National Bureau of Standards to create standard guidelines for a variety of industries. The **National Electrical Safety Code** was created as a guide to electrical industries. This code has recommendations ranging from the grounding of equipment to the clearance of electric lines above the ground.

The minimum ground clearance for electric lines that agriculture equipment will cross is 18 feet. This is the same height needed to cross public roads subject to truck traffic.

The minimum ground clearance for electric lines that cross residential or commercial driveways not subject to truck traffic is 15 feet.

The minimum ground clearance for electric lines that cross railroad

tracks is 27 feet.

McDonough Power Cooperative always constructs electric lines to exceed the minimum requirements of the Safety Code. However, Father Time and Mother Nature have a way of reducing the amount of ground clearance of some lines. If you are aware of any cooperative lines that are less than the above requirements, please let us know so corrections can be made.

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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

When the power fails

According to the U.S. Department of Agriculture, a fully stocked freezer will, ordinarily, keep food frozen for two days after losing power. A half-full freezer will keep food frozen for about one day. Food in a refrigerator will normally last four to six hours after the power goes off. If the food is still frozen when the power comes back on, you have no problem. If it has completely thawed, but is still as cold as if it had been in a refrigerator, it is best to cook the meat and poultry immediately. If you cannot eat the cooked meat all at once, divide large pieces into smaller portions and refrigerate immediately. Do not cool the food first on the kitchen counter. Food in small portions cools more quickly to temperatures where bacteria quit growing.

No insurance through McDonough Power

Many of our members are receiving calls and mailings about insurance from a company that "sounds like" it is associated with McDonough Power Cooperative.

It Is Not.

The company apparently addresses mail solicitation to "postal patrons." The literature says that the company is gathering information about the need for or interest in group coverage through something called NRC, or "A National Association of Rural Cooperative Members." "Rural cooperative member" is used prominently.

Even though there are disclaimers on the literature, the tone and

Meet your employees



Davis

Lou Davis

Lou Davis, manager's secretary at the Cooperative since January 1962, has been secretary for three different managers.

Lou was raised in Missouri and attended Chillicothe Business College. Before coming to Macomb, she was employed by the John Fabick Tractor Co. in St. Louis.

She and her husband, Bob, reside in Macomb, are the parents of a son, who lives near St. Louis, and a daughter, who lives in Dallas, and are the proud grandparents of two grandsons.

Dick Dunsworth

Dick Dunsworth, operating



Dunsworth

supervisor at the Cooperative, began employment with the Cooperative in June 1959 as storeskeeper, later worked as a lineman and currently serves as operating supervisor.

Dick was raised at Adrian and attended Western Illinois University before he began employment with the Cooperative.

His wife, Pat, is office manager for Farm King Supply. They are the parents of one daughter, who lives in West Virginia; a son, in O'Fallon; a son, in Bradenton, Florida, and a son who is a student at Western Illinois University. They are the proud grandparents of one granddaughter.

use of a group name similar to the electric cooperatives national organization (National Rural Electric Cooperative Association) has many people confused.

This insurance company has no affiliation with any rural electric cooperatives or any of their national organizations. Its insurance programs are not endorsed by any rural electric cooperatives or any other rural electric organization.

McDonough Power does not sell

insurance and does not endorse any insurance company.

If a salesman suggests he represents a firm affiliated with rural electrification, ask questions and get written proof of any such affiliation.

Insist that any company you deal with be reputable, that any implied endorsement or affiliation be supported by facts and that the goods or services are what you want and need.

BRIEFLY

News items of interest to members of Illinois electric cooperatives

Agricultural wiring workshops scheduled

Four workshops on "Electrical Wiring for Grain Drying and Livestock Housing" are planned for four locations across the state in late January and early February. The workshops, to be presented by the departments of agricultural engineering of the University of Illinois and University of Nebraska, will be January 31 in Mt. Vernon, February 1 in Springfield, February 2 in Galesburg and February 3 in Dixon. The Illinois Farm Electrification Council and the Illinois Cooperative Extension Service are co-sponsors. The workshop is designed to be of interest to electricians, well drillers, builders, Extension agents, vo-ag instructors, inspectors, utility personnel, electrical equipment suppliers, equipment installers, equipment dealers and others who work with electricity in agricultural applications. All workshops will begin at 9 a.m. and end by 4:30 p.m. The pre-registration fee is \$39. The cut-off for pre-registration is January 23. Registration after January 23 will be \$45; participants may register the day of the meeting. For information, call (217) 785-7532.

New logo will mark Illinois food and agricultural products

The Illinois Department of Agriculture has introduced a new use for its "Illinois Products" logo introduced at the 1988 Illinois State Fair. The logo, in red, white and blue, can now be used by food and agricultural companies, agricultural producers, farm organizations and other agricultural groups to promote farm and agricultural products that are produced, processed or packaged in Illinois. The Department's Division of Marketing is contacting companies and producers who may be interested in using the logo. Before using the logo, companies and producers must complete an agreement regarding the use of the logo. For more information, call (217) 782-6675.

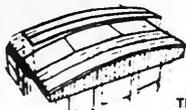
Rural electric leaders elected during Farm Bureau meeting

Ralph Freebairn of Ottawa, a director of Illinois Valley Electric Cooperative, has been elected to a two-year term on the board of the Illinois Farm Bureau (IFB). Freebairn was elected during the IFB annual meeting December 3-5 in Springfield. He has served five years as president of the LaSalle County Farm Bureau. During the annual meeting of the Interstate Producers Livestock Association (ILPA), held in conjunction with the IFB meeting, Merton L. Pond of Bluffs, a director of Illinois Rural Electric Co., was reelected to a two-year term on the ILPA board. Pond has served on the ILPA board since 1972. Irvin Stanford of Texico, a director of Tri-County Electric Cooperative, is also a director of ILPA.

Court finds company not liable in youth's power line tragedy

The 16-year-old Texas youth had to make the extraordinary effort of attaching eight aluminum tent poles together when he ignored his friend's warning and poked at a power line more than 25 feet in the air. The resulting tragedy cost the teenager both legs and an arm. But the power company can't be held liable for this damage done by its product, the Texas Supreme Court has ruled. Lower state courts had awarded the boy \$3.7 million in damages, but five of the state high court's nine judges decided that power companies are responsible for shocks only after the electricity is stepped down from high voltages to more usable form, such as household current. Nor do power companies have a general duty to warn the public against the clear dangers of touching such power lines, unless the lines have to be placed in such a way that they violate codes or ordinances or the company has reason to expect they could endanger a person.

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manager's report

by William C. Lemons

watts n

IREN SUPPLEME

Looking forward to 1989

With the excellent cooperation of McDonough Power's members, directors, and employees, I have completed a very rewarding first year as the manager of McDonough Power. I am looking forward to another successful year and the same cooperation from the members, directors, and employees.

I am fortunate to have a good board of directors with which to work. The board members are successful businessmen and farmers and have a good working relationship with their fellow member-owners of the Cooperative.

It is the Cooperative's goal to continue to provide reliable electric service to our members. Your Cooperative has a guaranteed source of power and no longer is required to rely on yearly wholesale power contracts that can change the cost of power.

The 1989 annual budget was approved by your board of directors at the December 20 board meeting.

The financial future of the cooperative is excellent. The operating budget has increased slightly. Interest and principal payments will be less than for 1988. The estimated kilowatt-hour purchase is slightly lower than the past year. However, extreme weather conditions can vary this factor.

The system is comprised of approximately 1,382 miles of lines, of which 27 miles are underground distribution and 45.9 miles are 69,000-volt transmission. Power is purchased from Soyland Power Cooperative at Decatur. The primary underground cable was replaced in a portion of the Hidden Hills subdivision this year due to cable failure problems. The old cable had a life expectancy of 25 to 30 years, but actually started failing within 12 years. The new primary underground cable will give better service over a longer period of time.

Poles are checked and treated by a professional firm each year, and

replacements are made where needed. There were 411 poles changed out in 1988, which will prevent outages to our members. This program will continue throughout 1989, replacing poles wherever needed.

Substation No. 1, northeast of Macomb, is being reconstructed. Work is progressing and when completed will provide better service for members in that area.

The operating department will continue our usual member service extensions, increased service capacities, transformer change-outs and security light installations. We will continue to upgrade our system by replacing bad service wires as we see the need.

The Cooperative continues to operate with an excellent safety record. As of December 31, 1988, the McDonough Power employees have worked four consecutive years without a lost-time accident.

There were no major storms in 1988, and it is our hope this will continue through 1989.

Waterlogged pumps may waste power and increase costs

Does the pump on your pressure water system start almost every time you run water? If it does, then the pressure tank is probably suffering from a common ailment known as "waterlogging." In other words, it is too full of water.

It is necessary to have a cushion of air above the water. The air is compressed as water is pumped into the tank and expands as water is withdrawn. The larger the air cushion, the more water the tank can deliver between any given extremes of pressure. Most farm water systems have pressure switches adjusted to start the pump when the pressure drops to 20

pounds and stop it when it reaches 40 pounds. A 42-gallon pressure tank, the size used in many farm water systems, can deliver about seven gallons of water between pressures of 40 and 20 pounds.

The size of the air cushion will not remain constant. Water absorbs the air, so eventually the air cushion becomes so small that by even drawing a very small amount of water, it will cause the pump motor to start and stop.

Manufacturers have devised various methods to solve this problem. One method is to have an air valve controlled by a float inside the pressure tank. When the water

level in the tank rises too high, the float opens an air valve and permits the pump to "sniff" the air, which is carried into the tank with the water.

Should the valve core begin to leak, do not replace it with an auto tire valve core. The auto tire core has a much stronger spring and the pump cannot suck air through the water. Frequent starting and stopping also causes undue wear on the pump and motor.

Allowing the water pump to operate in a waterlogged condition means an unnecessary maintenance expense and a much higher electric bill.

W

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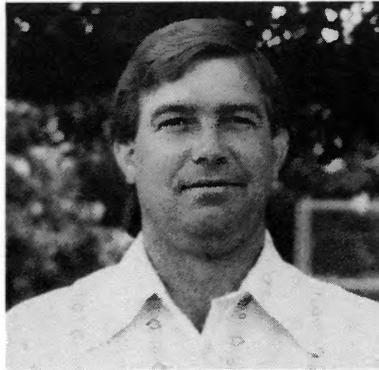
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Fish come on strong

Between 1980 and 1987, the average retail price for beef rose 8 percent, pork went up 42 percent, and chicken 20 percent. The prices for fish rose much faster, by 40 percent with fresh fish and shellfish up 71 percent. The total consumption of fish rose 20 percent between 1980 and 1987. Some of the growing appeal of fish is due to health issues and concerns about the fat content of beef and pork. A second factor may be higher incomes, which would account for rising purchases of high-priced foods like shrimp and salmon. The third reason may be the popularity of eating out. Fish is more likely to be eaten in restaurants than at home. To meet this demand for fish, new aquaculture, or fish farming, is spreading rapidly in the United States and other countries, to supplement commercial fishing which is being strained by the increasing demand.

According to the U.S. Department of Agriculture, aquaculture is concentrated in catfish, crawfish, salmon and trout, which together accounted for about 90 percent of the estimated 750 million pounds provided in the U.S. in 1987. Fish in the U.S. has an image as a healthy food. It's thought to be lower in calories than red meat, and many fish eaters believe that certain fish oils may help reduce cholesterol levels. Products of aquaculture, such as catfish and trout, will compete with meats and especially poultry for space on the menu. As fish farming grows, will the prairie ring with the cry of "Git along little fishes?"

Meet your employees

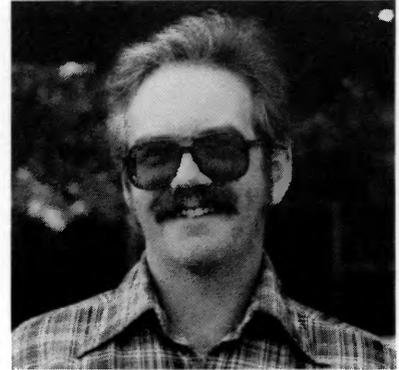


Ron Paulsen

Ron began employment with the Cooperative in September 1974 as an apprentice lineman and, later advanced to journeyman linemen.

He was raised at Clairon, Iowa, and is a graduate of the Northwest Iowa Technical College at Sheldon, Iowa.

Ron and his wife, Jane, who is secretary at the Presbyterian Church in Macomb, have two sons and a daughter and reside in Macomb.



Frank Fay

Frank began employment with the Cooperative in September 1984 as an apprentice lineman and has been storeskeeper for the past year.

He was raised at Oelein, Iowa, and is a graduate of the Northwest Iowa Technical College at Sheldon, Iowa. He served for four years in the U.S. Navy.

Frank and his wife, Susan, reside in Macomb and have four children and one granddaughter.

1988 Yearbook: Marketing

The new yearbook of agriculture, titled "Marketing U.S. Agriculture," is sort of a "how to" book for farmers, industry and exporters. It describes the revolution in the food marketing system caused by new technology, competition for world markets, consumer concerns about health issues, and consumer demands for quality, freshness and convenience. Individual marketers of poultry, meat, grain, cotton, soybeans, fruits, vegetables and other products tell their success stories to farmers and firms, focusing on the four steps to marketing success.

The book will help you find out

what the consumers want, develop new or improved products, deliver them efficiently, or promote them to potential customers. "Marketing U.S. Agriculture" is a 336-page hard-cover book, with 65 chapters written by experts from farms, industry, universities and government. It costs \$9.50 per copy from the Superintendent of Documents, Washington, D.C., 20402-0325. Copies are also for sale at government book stores in many cities. Each member of Congress will have limited free copies of the yearbook for public distribution.

What's Better than the Best Gas Furnace?

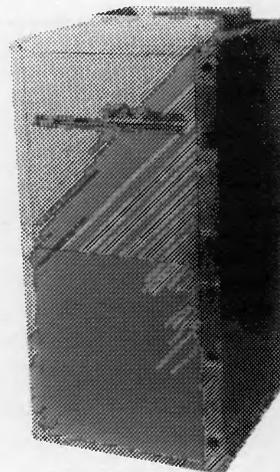
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manager's report

by William C. Lemons

watts no

IREN SUPPLEME

Be careful around lines

Power lines are present in our lives today. They are everywhere because they carry the electricity that is such an indispensable feature of modern life.

Because electricity is so commonplace, we sometimes fail to respect this awesome power that flows along power lines.

Electricity, for all practical purposes, is no different from lightning. Its flow is ordinarily controlled, of course, and is entirely safe when used with proper precautions.

But, just like lightning, electricity constantly seeks a path to the ground. That is why wiring has insulation—to prevent the current from taking a direct path to the ground rather than through our electrically powered machinery and appliances.

When a human body becomes a direct link between a power line and the earth, the result can be disastrous. Note the following warnings:

Flying kites or model airplanes—When kite strings or metal guy wires touch live power lines, they can provide a path to the ground electricity seeks, making the final part of the journey through the body of the person holding the string or wire.

Tree climbing—Youngsters are always climbing trees, but where power lines run between limbs or touch parts of the tree, innocent fun could turn to tragedy.

Farm equipment—When using farm equipment, be especially careful not to let it come in contact with overhead wiring. Should this

happen while you or someone else is touching the equipment, you could again provide that lethal link to the ground for electricity.

Ladders—Be particularly careful when moving a ladder near a power line. It can easily tilt into a live wire and electrocute its holder.

Antennas—Being cumbersome and hard to control, antennas are especially dangerous to move about near an electric line. Use caution when installing or replacing an antenna.

To be safe, keep all objects at least 10 feet away from power lines and **never** attempt to raise or move an electric line. Call your cooperative for assistance in dealing with live electric lines.

Many reasons for variations in electric bills

When electricity was used primarily for lighting, electric bills were low in the sunny months of summer and higher in the darker months of winter. Today, in addition to the lighting, every household has many year-round uses for electricity that add to the comfort, convenience and pleasure of the family. Residential electric bills follow surprisingly uniform patterns from year to year. The fact that a bill is higher than usual naturally arouses curiosity — there must be a reason. Our members have found there are many reasons for variations in use and cost of electric service.

Hot weather brings air conditioning and greater use of fans, refrigerators, freezers, dehumidifiers, and laundry facilities. Warm weather also makes appliances such

as refrigerators and freezers work harder. Cold weather affects heating requirements, use of furnace fans, humidifiers, supplementary heaters and auto engine heaters. Holidays mean extra cooking, lighting and Christmas decorations in your home.

Many changes in family life affect your electric bill: moving into a new home, alterations to the old home, more time spent at home, a new baby, relatives coming to stay, more laundry, more hobbies, more homework and teenage entertaining.

This is a common cause of increased usage because everyone adds new appliances from time to time. Have you recently added a dryer, an air conditioner, a supplementary heater, a freezer? Or

was it a color television or a frost-free refrigerator. Have you gradually improved your lighting, either indoors or outdoors?

The age and condition of appliances affect their cost of operation.

Even relatively new appliances may need adjustments.

Leaving lights or appliances on unnecessarily raises the bill.

If you still have a question about the amount of electricity you are using, stop by the cooperative office to find out some average residential consumption figures for the various types of appliances you may have in your home. These figures will give you some idea about how many kilowatt-hours per month different appliances use. We want to help you use energy efficiently.

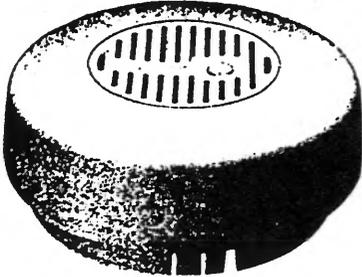
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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

**Fire prevention**

The death rate from fires is higher in rural America than anywhere else in the world. But you can help change these grim statistics.

According to the Fire Administration, factors contributing to the fire danger in rural areas include the fact that fewer rural homes have smoke detectors; there is a greater share of woodburning stoves; houses are farther from the fire department; there tends to be less enforcement of building and fire codes, and rural fire departments have less time and fewer resources to spend on fire prevention.

Rural fire deaths are the fastest growing of all fire fatalities.

If you think there is a fire on the other side of a closed door, you should first feel the door.

In escaping from a room filled with smoke, the safest breathing air is located near the floor.

The best immediate treatment for burns is to apply cool water.

The best way to put out a small grease fire in a pan is to cover the pan with a lid.

A home should have a smoke detector on each floor, especially outside the bedrooms.

A fire escape plan should be planned and reiterated frequently.

Never smoke in bed.

If your clothes catch fire, stop, drop and roll.

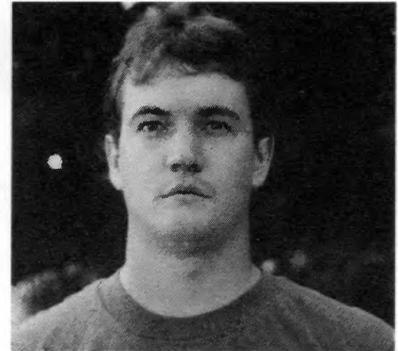
Meet your employees

Olsen

Leon Olsen

Leon Olsen began employment on a part-time basis in July of 1984 as custodian. He is a native of the Sciota-Good Hope area.

Leon and wife, Liz, live in Good Hope and are the parents of a son, Alan, who resides in Quincy, and the proud grandparents of a baby girl.



Hoffman

Lynn Hoffman

Lynn Hoffman began employment in January 1989 as an apprentice lineman. He is a graduate of Northwest Iowa Technical College at Sheldon, Iowa.

He is a former resident of Estherville, Iowa, and has resided in Macomb for over a year.

On-line network communications

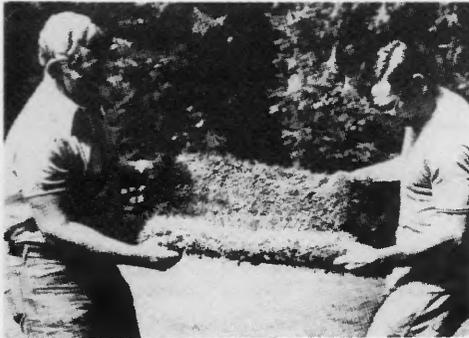
A satellite receiver dish has been installed at the Cooperative office to provide the most reliable, cost-effective and efficient means for the Cooperative to communicate with Central Area Data Processing Cooperative at St. Peters, Missouri.

Since December 1974 the Cooperative has been a member of CADPC for billing and book-keeping, as well as many other record keeping purposes. This service has been provided by means of a dedicated telephone line. Since the beginning of the Central Area on-line system, data communications has been with the on-line

system handled by AT&T dedicated circuits. This was an acceptable method of communication for some period of time even though there were many problems with system reliability. Since the breakup of AT&T, rapidly increasing costs and delays on circuit installations were experienced, in addition to the reliability problems.

Telecommunications study by the National Rural Electric Cooperative Association, the National Rural Utilities Cooperative Finance Corporation and CADPC have shown the technical feasibility for satellite communications.

Two Grown Men Can't Pull It Apart! Zoysia Saves Time, Work & Money



So deep-rooted is Amazoy...it grows into practically indestructible turf.

Amazoy is the Trade Mark Registered U.S. Patent Office for our Meyer Z-52 Zoysia Grass

By John T. Jackson

Every year I see people pour more and more money into their lawns. They dig, fertilize and lime. They rake it all in. They scatter their seed and roll and water it. Birds love it! Seeds which aren't washed away by rain give them a feast. But some seed grows, and soon it's time to weed, water and mow, mow...until summer comes to burn the lawn into hay, or crabgrass and diseases infest it. That's what happens to ordinary grass, but not to Amazoy Zoysia.



"MOWED IT 2 TIMES," WRITES WOMAN

For example, Mrs. M. R. Mitter writes me how her lawn "...is the envy of all who see it. When everybody's lawns around here are brown from drought ours just stays as green as ever. I've never watered it, only when I put the plugs in...Last summer we had it mowed (2) times. Another thing, we never have to pull any weeds — it's just wonderful!"

LAWN WATERED ONLY ONCE

And from Iowa came word that the state's largest Men's Garden Club picked a Zoysia lawn as the "top lawn — nearly perfect" in its area. Yet this lawn had been watered only once all summer up to August!

NO NEED TO RIP OUT PRESENT GRASS

Plug Amazoy into old lawn, new ground or nursery area. Just set Amazoy plugs into holes in ground like a cork in a bottle. Plant 1 foot apart, checkerboard style.

When planted in existing lawn areas plugs will spread to drive out old, unwanted growth including weeds — from part shade to full sun. Goes off its green color after killing frosts. Begins regaining its green color at the time when the temperature in the spring is consistently warm. This, of course, varies with climate. Easy planting instructions with order.

FREE! UP TO 900 PLUGS!

CHOKES OUT CRABGRASS

Thick, rich, luxurious, established Amazoy grows into a carpet of grass that chokes out crabgrass and weeds all summer long.

FOR SLOPES, PLAY AREAS, BARE SPOTS

End erosion of slopes with Amazoy. Perfect answer for hard-to-cover spots, play-worn areas.

NO SEED, NO SOD!

There's no seed that produces winter-hardy Meyer Zoysia. Sod of ordinary grass brings with it the problems of seed: like weeds, diseases, burning out, other ills. Save time, work, money. Plug in Amazoy.



FREE PATENTED STEP-ON PLUGGER WITH ORDERS OF 600 PLUGS OR MORE.

Amazoy exclusive! No one else can offer you this patented 2-way plugger. Saves bending, time, work. Light, rugged, invaluable for transplanting. Cuts away competing growth as it digs plug holes.

WEAR RESISTANT

When America's largest University tested 13 leading grasses for wear resistance, such as foot scuffing, the Zoysia (matrella and japonica Meyer Z-52) led all others.

Your Amazoy lawn takes such wear as cookouts, lawn parties, lawn furniture, etc. Grows so thick you could play football on it and not get your feet muddy. Even if children play on it, they won't hurt it — or themselves.

Amazoy thrives in porous, sandy soil, "builder's soil" — even salty beach areas! Beauty is but one advantage of Zoysia Grass. It's also so vigorous and rich it thrives in soils where lesser grasses have failed you repeatedly. Start your Amazoy lawn this Spring, and never re-seed your lawn again!

Meyer Z-52 Zoysia Grass was perfected by U.S. Gov't.: Released in cooperation with U.S. Golf Assoc. as a superior grass.

Order guaranteed Amazoy now, get your bonus plugs FREE. Your order will be delivered at earliest correct time for planting in your area.

We ship all orders the same day plugs are packed, shipping & handling charges collect via most economical means. For credit card orders shipping & handling costs will be charged to your account.

CUTS YOUR WORK, SAVES YOU MONEY

Your deep-rooted, established Amazoy lawn saves you time and money in many ways. It never needs replacement...ends re-seeding forever. Fertilizing and watering (water costs money, too) are rarely if ever needed. It ends the need for crabgrass killers permanently. It cuts pushing a noisy mower in the blistering sun by 2/3.

YOUR OWN SUPPLY OF PLUG TRANSPLANTS

Established Amazoy gives you Zoysia plugs to plant in other areas as desired!

EVERY PLUG GUARANTEED TO GROW IN YOUR AREA • IN YOUR SOIL

- **AMAZOY WON'T WINTER KILL** — has survived temperatures 30° below zero!
- **AMAZOY WON'T HEAT KILL** — when other grasses burn out, Amazoy remains green & lovely!

Your plugs are shipped to you not cut all the way through, so as to insure maximum freshness and viability. To plant, separate all plugs completely with grass shears or a knife. Any plug failing to grow in 45 days replaced FREE.

Order now for your FREE Bonus Plugs.

ZOYSIA FARM NURSERIES, Dept. 631
General Offices & Store
3617 OLD TANEYTOWN RD., TANEYTOWN, MD 21787

Please send me guaranteed Amazoy as checked below:

<input type="checkbox"/> 100 PLUGS Plus 20 FREE \$5⁹⁵ Total 120 Plugs	<input type="checkbox"/> 100 PLUGS Plus 30 FREE with Plugger \$9⁹⁵ Total 130 Plugs Plus Plugger	<input type="checkbox"/> 300 PLUGS Plus 60 FREE \$12⁹⁵ Total 360 Plugs	<input type="checkbox"/> 300 PLUGS Plus 90 FREE with Plugger \$16⁹⁵ Total 390 Plugs Plus Plugger
<input type="checkbox"/> 600 PLUGS Plus 180 FREE with FREE Plugger \$25⁹⁵ Total 780 Plugs Plus Plugger	<input type="checkbox"/> 1500 PLUGS Plus 450 FREE with FREE Plugger \$49⁹⁵ Total 1950 Plugs Plus Plugger	SPECIAL OFFER! <input type="checkbox"/> 3000 PLUGS Plus 900 FREE with FREE Plugger \$69⁹⁵ Total 3900 Plugs Plus Plugger	

Additional Plugger **\$6⁹⁵** Md. residents add 5% sales tax.

I Enclose \$ _____ Check M.O.
Charge credit card VISA MasterCard
Acct. # _____
Expiration Date _____
Signature _____
NAME _____
ADDRESS _____
CITY _____
STATE _____ ZIP _____

slow-moving molecules. So, a lot of heat is present, but it has a low temperature.

The iceberg has much more heat than the burning match even though the match is much hotter. Therefore, we can now understand that large masses of cold air or water have large amounts of available heat. The trick is getting all this heat concentrated into a usable form (warmth).

Illinois has a lot of cold weather in wintertime, and all that cold air is really a source of heat. It was mentioned before that air contains some amount of heat unless it reaches absolute zero (or -460 degrees F). Knowing that, it can accurately be stated that 0 degrees F is 460 degrees "warmer" than absolute zero. If absolute zero is the reference point, then 0 degrees F is a 460 degree difference, and 70 degrees F is a 530 degree difference, so 460 divided by 530 is approximately 87 percent. Air at 0 degree F **does** contain almost 90 percent of the heat it contains at 70 degrees F. During the winter, then, all that has to be done is concentrate the available heat. When concentration occurs, temperature automatically rises and usable heat (heat that feels warm to the touch) results.

This is what an air source heat pump does. It accomplishes this by using an outdoor coil containing a low-pressure liquid refrigerant that cycles in and out of your home. When a fan blows outdoor winter air cross the coil, this cold air happens to be much warmer than the refrigerant. This winter air that feels cold is so much warmer than the refrigerant that it causes the refrigerant to boil and vaporize. (In order to get a liquid to boil, there has to be a source of heat. In this situation, the heat source is the winter air. This is why heat pumps are considered devices that take heat from cold.) The refrigerant has undergone a phase change—it has changed from a liquid into a gas and has absorbed latent heat. (See related article to understand what happens during a phase change.)

This vapor (carrying heat taken from the outside air) is now pumped through a compressor where the vapor is pressurized or concentrated making it now very hot to the touch. The refrigerant vapor that is now superheated is pumped to the indoor coil. Because the vapor is now hotter than room temper-

ature, it condenses (turns into a liquid) when the room temperature air is passed across the indoor coil by the blower fan. The change from vapor to a liquid releases heat (see inset). This heat can then be delivered throughout the house via the duct system. The liquid refrigerant, now cool to the touch, goes back outside passing through an expansion valve, which lowers the refrigerant's pressure which allows it to boil more readily.

The air-to-air heat pump has been used as the example to show how heat is extracted from seemingly cold air. The most efficient heat pump system is usually the ground source heat pump. These use the earth's stored energy. A liquid, usually an antifreeze solution, is circulated through plastic pipe buried in the ground. The earth's temperature at the buried pipe depth is relatively constant year-round (50 to 55 degrees F in this area). The ground source heat pump pulls heat from the earth into your home in the winter and takes heat from your home in the summer, moving it to the earth.

Heat and phase change

Ordinarily, when heat is added to a substance, one would normally expect the temperature to rise, but that is not always the case. For example, when heat is added to a block of ice (at standard pressure) the temperature of the ice block will start rising until it reaches 32 degrees F. At that particular point, addition of more heat will not cause the temperature in the ice to rise. But now the ice block begins to melt and temperature will not rise again until all the ice has melted. As more heat is added the water now begins to increase in temperature until it reaches 212 degrees F. Again, same as before, when more heat is added, the temperature of the water will not change until all the water has turned into steam. At that point and only at that point will addition of more heat cause the temperature to rise again. That is why a burn from steam is more painful than a burn from boiling water. There is more heat in the steam. The extra heat required to change from a solid into a liquid (ice into water) is called the latent heat of fusion and the extra heat required to change a liquid into a gas (water into steam) is called the latent heat of vaporization. Latent heat is heat that is added which does not cause a change in temperature, but a change in phase. Sensible heat, or heat you can sense, is heat that causes a temperature change. The principles just outlined pertain for heat removal as well as for heat addition.



manager's report

by William C. Lemons

watts n

IREN SUPPLEME

Energy conservation grants still available

It isn't too late for Cooperative members who would like to make some home weatherization improvements this year or replace a heating system to get some help from the State of Illinois.

The Illinois Department of Energy and Natural Resources (ENR) has made available grants of up to \$1,500 for qualifying members. This is the second year that funding is being provided for projects meant to result in long-term home energy savings. The Illinois General Assembly in 1988 allocated approximately \$2.5 million for the program.

INCOME GUIDELINES

A grant of up to \$1,500 is available to any McDonough Power Cooperative members whose household income is 80 percent or less of the cooperative service area's median income. This is a total grant, without any matching funds required by the applicant.

For members whose household income is 80 to 120 percent of the area's median income, a grant of up to \$1,000 is available. This is a 50 percent matching grant. The consumer-member pays 50 percent of the project's cost.

QUALIFYING AND NON-QUALIFYING PROJECTS

This year, the list of projects eligible for funding under the program has been changed. On some items, there is a dollar limit on the amount of subsidy available. In no case is the subsidy offered for more than the cost of the work, or \$1,500.

- Insulation projects for walls, ceilings, attics, foundations, crawlspaces, floors, basement walls or ceiling, water pipes, air ducts, underpinning, and mobile home undercarriages are eligible.

- Water-saving shower heads are eligible.

- New, energy-efficient water heaters (must meet ASHRAE 90 Standards as required by Illinois law) are eligible.

- Water heater jackets (blankets) are eligible.

- Set-back thermostats are eligible.

- Central air-conditioners with a SEER greater than 10.0 (or room air conditioners with an EER greater than 8.6) are eligible only for medical reasons. A medical doctor's certification is required.

- Water and ground source heat pumps with a SEER rating of greater than 8.6 are eligible. NOTE: Maximum grant is \$1,000 for these types of systems.

- Electric heat pumps with SEER ratings of greater than 8.6 are eligible.

- Furnace load management systems and furnace efficiency modifications are eligible.

- Furnace flue modifications and electronic ignition systems are eligible.

- Furnaces with an AFUE rating of 90 or better are eligible. Under certain circumstances, and with prior approval from ENR, other heating systems with lower ratings may be eligible. Call ENR for details.

- Storm doors and thermal doors are eligible for a grant of up to \$150 maximum per entrance.

- Storm windows and thermal replacement windows are eligible for a grant of up to \$150 maximum per entire window unit.

- Caulking and weatherstripping are eligible.

- Energy saving fluorescent lighting is eligible.

Contact McDonough Power Cooperative or ENR if you are interested in applying for a rural home energy grant. Before being considered for the grant, applicants must have an energy audit completed on their home and have a written bid from at least two contractors for proposed projects. These bids must contain model numbers and efficiency ratings for heating system, and cost estimates.

Applications must be submitted to McDonough Power. After it is reviewed, the application will be forwarded to the ENR for final review and approval. ENR has the final decision on all Rural Home Energy Program applications.

Once the application gets approval, a check is prepared payable to the consumer-member and McDonough Power. The cooperative then endorses the check and presents it to the member for payment. ENR may inspect the completed work and each approved applicant must also certify to ENR that the installation of materials or equipment funded through the grant program is complete.

For more information, contact McDonough Power Cooperative or the Illinois Department of Energy and Natural Resources at (217) 785-2800.

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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

Satellite TV programming

McDonough Power has an agreement with Eastern Illini Electric Cooperative of Paxton and its subsidiary company, Unlimited Visions, to make quality satellite television programming available to McDonough Power's consumers.

Unlimited Visions can be contacted by calling, toll-free, 1-800-824-5102 or by writing to 330 West Ottawa, Paxton, IL 60957.

Eastern Illini and Unlimited Visions were among the first organizations in the nation to develop with a satellite TV package to offer to their consumers. Unlimited Visions

Choose the programming you want—from one convenient source.

Rural TV makes it easy for your family to enjoy the television you want—with a choice of basic programming packages and a complete line-up of premium channels, networks and superstations. Add only the additional services your family wants and create your own custom Rural TV package!

has the personnel to answer all your questions and can handle the technical chores of getting the TV link set up between McDonough's consumers and the TV package. Billing is direct from Unlimited Visions to you.

If you are interested in a basic

package similar to what is carried on cable TV, along with the option of taking a premium channel such as HBO, Cinemax or Disney, contact Unlimited Visions.

The following selection of programs and the pricing are offered by Unlimited Visions.

Services available through Unlimited Visions include

	MONTHLY	ANNUAL
BASIC PACKAGE	\$11.95	\$120.00
CNN		THE NASHVILLE NETWORK*
HEADLINE NEWS		THE NOSTALGIA NETWORK*
ESPN		THE LEARNING CHANNEL*
USA		COUNTRY MUSIC TV*
NICKELODEON		THE TRAVEL CHANNEL*
CBN		
WGN		
WPIX		
KTVT		
LIFETIME		
THE WEATHER CHANNEL		
WTBS		
TIER CHANNELS		
SKYLINE SILVER	3.00	36.00
PT 24	4.00	48.00
NETLINK (Alone)	5.95	71.40
HSE	3.00	36.00
PREMIUM CHANNELS		
HBO	9.95	100.00
CINEMAX	9.95	100.00
DISNEY	7.95	85.00
HBO/CINEMAX	17.95	175.00
HBO/DISNEY	15.95	175.00
CINEMAX/DISNEY	15.95	175.00
HBO/CINEMAX/DISNEY	22.95	260.00
STARION PREM. (2)	9.95	119.00

*Not yet scrambled but committed to basic by contract when scrambling occurs.

Soyland, WIPCO merger complete

Two Illinois electric generation-and-transmission cooperatives became one March 29. The merged boards of Soyland Power Cooperative and Western Illinois Power Cooperative (WIPCO) held their first meeting in Decatur, location of the headquarters of the surviving organization, Soyland Power Cooperative.

Representing 21 electric distribution cooperatives and serving nearly one-half million Illinois citizens, the combined organization has assets of approximately \$850 million and annual operating revenues of \$150 million.

Guests for the historic first board meeting included Jack Van Mark, acting administrator, Rural Electrification Administration, Washington, D.C., and Jack Williams of Prince Frederick, Md., president of the board of directors of the National Rural Electric Cooperative Association.

The merger of the two cooperatives,

providing power to nearly two-thirds of the land mass of Illinois, has been pending since mid-1988 when members voted in favor of the merger. The former headquarters of WIPCO in Jacksonville will serve as a district office and as headquarters for a subsidiary of Soyland, WaterFurnace of Illinois.

"We have been pooling the power supply facilities of the two organizations since January 1985 and dispatching electric loads as one entity," E.H. Williams, executive vice president and general manager of Soyland, said of the merger. "The formal merger of the two organizations was just a final step in a long-range plan to stabilize electric rates for the one-half million persons who depend on our 21 member distribution cooperatives for their electric energy."

Work toward the merger began after electric rates for cooperatives owning a 13.3 percent share of the nuclear Clinton Power Station began to increase rapidly in the early 1980s. "The Rural Electrification Administration restructured WIPCO's Clinton Power Station debt, resulting in significant savings to the members. The debt restructuring by REA provides the economic basis for WIPCO to merge with Soyland," Williams said. "We expect Soyland's electric rates to remain stable for the next 10 years, with potential increases not to exceed the rate of inflation."

During the first meeting of the merged board, new mortgage agreements were executed by the board and Van Mark, representing REA. At the same time Soyland's Williams presented Van Mark with the first payment to REA on the restructured WIPCO debt.

Soyland will continue as an Illinois not-for-profit corporation with the board made up of 14 directors representing the previous WIPCO member distribution cooperatives and 28 directors representing Soyland member-cooperatives for a total board of 42 members.

Soyland's Williams (left) and REA's Van Mark.



1990," Chapman added.

Chapman said SIPC had no major construction during 1988, but completed a number of smaller projects, including new oil storage facilities, a sprinkling system for the coal storage area, a new air compressor for the plant and additional air conditioning for the plant facilities.

Lawrence Wilke of Karnak, secretary-treasurer, noted that SIPC in 1988 paid its first capital credits to member systems, returning patronage capital totaling \$1,276,732 to the cooperatives. Wilke said both revenue and expenses were down in 1988 from 1987. He added that fuel costs declined by more than \$2 million. SIPC paid almost \$2 million in local, state and federal taxes during 1988, he said.

For the second consecutive year, SIPC returned capital credits to the three member cooperatives. Tiberend presented checks totaling more than \$927,000 to the three systems: Egyptian,

\$221,760; Southeastern, \$540,081, and Southern, \$165,567. The patronage returns were for the years 1974 and 1975. Last year SIPC made its first capital credits return, refunding credits for the years 1971, 1972 and 1973.

During the meeting, four representatives of each of the three member cooperatives were elected to the board: (Egyptian) Harold I. Dycus of Carbondale, Archie Hamilton of Ava, Harry W. Kuhn of Steeleville and Raymond C. Mulholland of Marissa; (Southeastern) Bill Cadle of Marion, Tiberend, Walter V. Truitt, Jr., of Eldorado and Kenneth R. Webb of Tunnel Hill; and (Southern) Guy Casper of Cypress, George R. Inman of Grand Chain, Timothy W. Reeves of Dongola and Wilke.

Following the annual meeting, the board met in reorganizational session and elected officers: Dycus, president; Wilke, vice president, and Webb, secretary-treasurer.



Harold I. Dycus (seated center) of Carbondale is the new president of the board of directors of Southern Illinois Power Co-operative. Other officers are, seated from left, Kenneth R. Webb of Tunnel Hill, secretary-treasurer, and Lawrence Wilke of Karnak, vice president. Standing are, from left, James R. Chapman, executive vice president and general manager, and Charles D. Winters, assistant secretary and attorney.



manager's report

by William C. Lemons

watts no

IREN SUPPLEMEN

Soyland and Western Illinois Power Cooperative merger

Directors of two generation and transmission cooperatives, which provide power to nearly two-thirds of the land mass of Illinois, gathered in Decatur March 29 for the first meeting of the merged board of directors.

Soyland Power Cooperative and Western Illinois Power Cooperative (WIPCO) of Jacksonville, with assets of approximately \$850 million and annual operating revenues of \$150 million, merged. Soyland Power Cooperative continues as the surviving organization. Headquarters of Soyland will remain in Decatur and the former headquarters of Western Illinois Power Cooperative in Jacksonville will serve as a district office and as headquarters for a subsidiary of Soyland, WaterFurnace of Illinois.

The formal merger of the two organizations was just a final step in a long range plan to stabilize electric rates for the one-half million persons who depend on the 21 member distribution cooperatives for their electric energy.

Work toward the merger began after electric rates for cooperatives owning a 13.3 percent share of the nuclear Clinton Power Station began to increase rapidly in the early 1980s. The Rural Electrification Administration restructured WIPCO's Clinton Power Station debt, resulting in significant savings to the members. The debt restructuring by REA provides the economic basis for WIPCO to merge with Soyland. The rate of Soyland is expected to remain stable for the

next 10 years, with potential increases not to exceed the rate of inflation.

The merged generation and transmission cooperative will continue as an Illinois not-for-profit corporation with the board of directors made up of 14 directors representing the previous WIPCO member distribution cooperatives and 28 directors representing Soyland member cooperatives for a total board of 42 members.

The 21 member distribution cooperatives that make up the merged Soyland federation are: Adams Electrical Co-Operative, Camp Point; Clay Electric Co-Operative, Flora; Clinton County Electric Cooperative, Breese; Coles-Moultrie Electric Cooperative, Mattoon; Corn Belt Electric Cooperative, Bloomington; Eastern Illini Electric Cooperative, Paxton; Edgar Electric Co-Operative Association, Paris; Farmers Mutual Electric Company, Geneseo; Illinois Rural Electric Co., Winchester; Illinois Valley Electric Cooperative, Princeton; McDonough Power Cooperative, Macomb; M.J.M. Electric Cooperative, Carlinsville; Monroe County Electric Co-Operative, Waterloo; Rural Electric Convenience Cooperative Co., Auburn; Shelby Electric Cooperative, Shelbyville; Southwestern Electric Cooperative, Greenville; Spoon River Electric Co-Operative, Canton; Tri-County Electric Cooperative, Mt. Vernon; Wayne-White Counties Electric Cooperative, Fairfield; and Western Illinois Electrical Coop., Carthage.

Understanding and paying your electric bill

Mark card promptly

Your electric energy bill is based on the reading that you mark on your electric bill card each month. It is necessary for each member to mark his or her card accurately and as close to the 5th of the month as is possible.

Always send a reading

You must provide the Cooperative with a reading even if your bill has a credit balance and you are not sending a payment. If your meter reading is the same as the previous month, you still need to send us that reading.

The service number is important

Knowing your service number is very important, should you need to contact the Cooperative for any reason about your bill. The service number appears on the bottom line of your electric bill card. If you do not know the service number, the meter number is also very helpful. It is the number on the register of your meter and just above your name on your card.

The location number is important

Anytime you would call the Cooperative concerning line or service problems, you will be requested to have your location number. This tells our crewmen just where you reside and what location you are calling about. This is in the lower left hand corner of your card.

The cooperative is your business

You own the lines, elect the directors and pay the bills. Do not hesitate to contact the office if you have a question about your electric energy bill.

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Your electric bill

READ METER TODAY

McDonough Power Cooperative
 1210 West Jackson St. - P.O. Box 352
 Macomb, Illinois 61455

Presorted
 First Class Mail
 U.S. Postage Paid
 Post Card Rate
 Permit No. 552
 Macomb,
 Illinois 61455

Address Correction Requested
 Return Postage Guaranteed

Previous Reading	Present Reading	KWH Multiplier	KWH Used	Amount \$	¢	C	R

PURCHASED POWER AND ADDED COST

BC	CL	THIS STATEMENT IS FOR KWH'S USED TO	Mo	Day	Yr.	Amount of Bill \$	¢	C	R
		Bill is Delinquent and Gross applies after this date →				Amt. Due After Due Date \$	¢	C	R

Location Number: _____ Service Number: _____

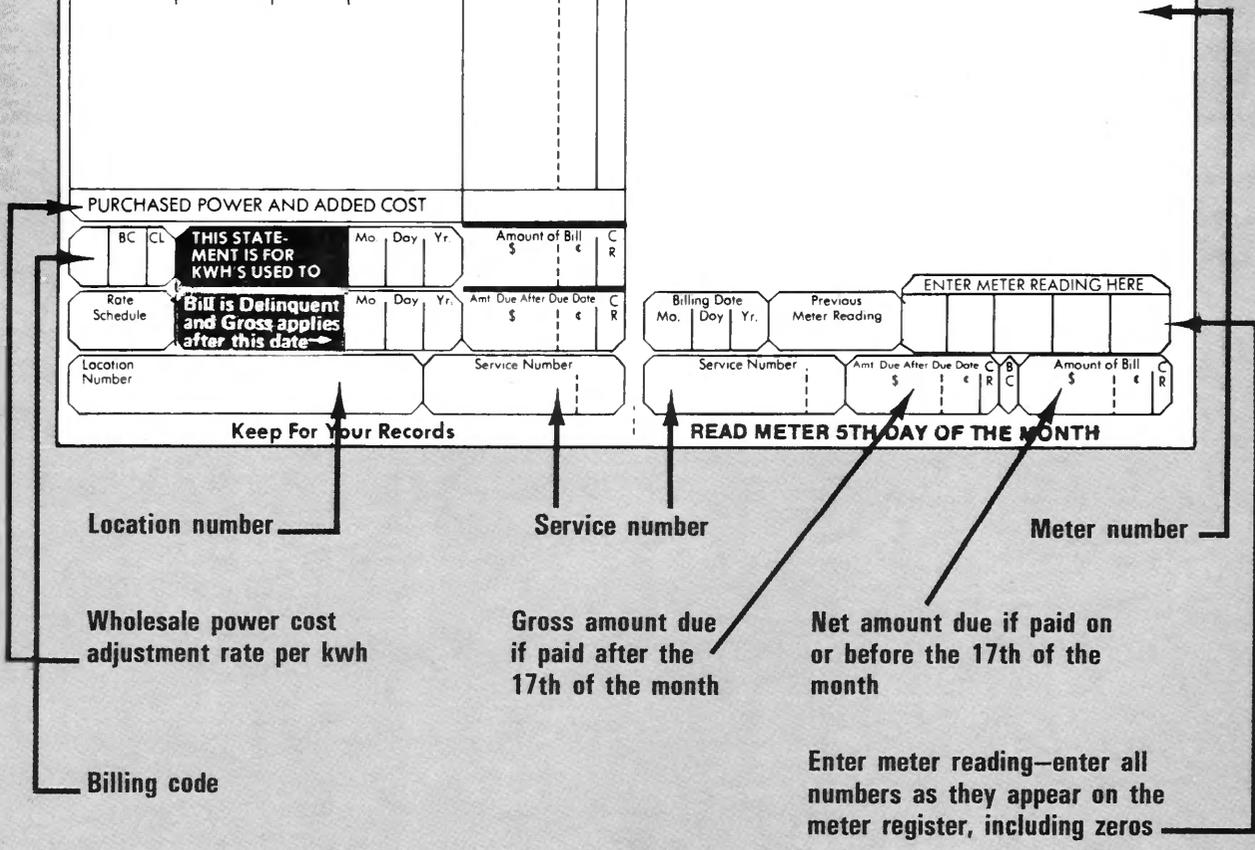
Billing Date: Mo. Day Yr. Previous Meter Reading: _____

ENTER METER READING HERE: _____

Service Number: _____ Amt. Due After Due Date \$ ¢ C R

Amount of Bill \$ ¢ C R

Keep For Your Records READ METER 5TH DAY OF THE MONTH



WHERE TO PAY YOUR ELECTRIC BILL?

1. By mail (don't forget to enter your meter reading).
2. At the office at 1210 W. Jackson, Macomb, 8 a.m.-5 p.m.
3. Night deposit box for after hours payment at entrance of Cooperative office.

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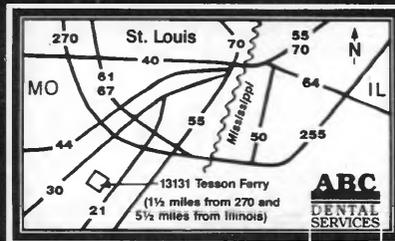
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Soyland Power first to join community development program

Soyland Power Cooperative, through its Soyland Development Corporation, will participate in a three-county community development corporation (CDC) in western Illinois. Soyland is the first organization to make a financial commitment to the project launched by Farmers State Bank and Trust of Jacksonville to organize a community development corporation to promote economic development in Cass, Scott and Morgan counties. The Farmers State Bank is a finalist from among a group of more than 400 applicants nationwide to launch bank CDC programs with help from the United States Economic Development Administration. In addition, the three-county CDC has been selected by the Illinois Department of Commerce and Community Affairs to be one of five demonstration projects and will receive a \$200,000 grant. Soyland has committed \$100,000 to the project. The Cass, Morgan and Scott counties bank CDC will receive technical assistance from the U.S. Economic Development Administration and will provide initial funding for development projects to enable developers to qualify for bank loans. Douglas A. Dougherty, director of economic development for Soyland Power, explained that participation in the bank CDC compliments Soyland's efforts to encourage community development and promote job creation: "The investment by Soyland Development Corporation will leverage local bank dollars, local government economic development funds and State of Illinois dollars. This public-private partnership will create an environment for business growth and economic gains for local citizens."

Corn, soybeans continue to dominate Illinois' agriculture

Corn and soybeans were the leading agricultural commodities in 1987 with sales of \$4 billion, figures from the Commerce Department's Census Bureau show. All grains accounted for 61 percent of Illinois' agricultural sales. The 1987 Census of Agriculture shows that Illinois' total agricultural sales amounted to \$6.4 billion. The state's hog and pig inventory totaled 5,642,991, including 748,216 for breeding. This was 6 percent below the 5,988,994 total reported in 1982. Some 9,879,960 hogs and pigs were reported sold in 1987, of which 1,472,351 were feeder pigs. All livestock, poultry, and their products accounted for 35 percent of Illinois' agricultural sales. The 88,786 Illinois farms counted in 1987 were 10 percent fewer than in 1982, when the last agriculture census was taken, some 71 percent had 1987 sales of \$10,000 or more, and 22 percent had sales of \$100,000 or more. Production expenditures for the state's agricultural operations came to \$4.6 billion. Agricultural operators paid 21 percent less for commercial fertilizers, and 22 percent more for hired farm labor. They spent 5 percent less for livestock and poultry feed.

Bankruptcy code no shield from power charges

A bankruptcy court has ruled that a Louisiana distribution cooperative, Washington-St. Tammany Electric Cooperative, must pay its electric supplier, Cajun Electric Power Cooperative, the full contract price for power plus all back charges that it tried to avoid after filing Chapter 11 under the federal bankruptcy code. The distribution cooperative had filed for Chapter 11 reorganization in mid-1987 and since that time paid the power cooperative only what it considered to be "a fair market value" for its wholesale electric power purchases. Cajun supplied electric power to the distribution cooperative since the bankruptcy filing; however, the distribution cooperative paid Cajun only a portion of what it owed. The federal bankruptcy judge ordered the distribution cooperative to pay all back charges and the full cost of electricity to Cajun.

Rural electrics have good payment record

The federal government may have been forced to write off many of its wide-ranging loans in recent years, but "the rural electric program has not contributed to that problem," an analysis by the National Rural Electric Cooperative Association (NRECA) finds. NRECA is the Washington, D.C., service organization for the nation's 1,000 nonprofit rural electric systems. The report, which includes figures through the fiscal year that ended last September, shows that only two loans made by the Rural Electrification Administration (REA), the Agriculture Department agency that lends money to rural electric and telephone cooperatives, have resulted in foreclosures. Those loans totaled less than \$45,000 and were written off more than 40 years ago. Late payments represent less than 1.5 percent of the loans and guarantees REA has approved in its 54-year history. Electric co-ops can take pride in that record, Bob Bergland, NRECA executive vice president says. "Rural electric systems have one of the best loan repayment records in the country. Not many industries could claim they haven't experienced a foreclosure in more than 40 years."



manager's report

by William C. Lemons

watts n

IREN SUPPLEMEN



Safety Award

William C. Lemons (left), manager, and Dick Dunsworth (center), operating supervisor, accept the 1989 Safety Award for McDonough Power Cooperative from Buddy Walls (right), president of IEC Job Training and Safety Committee. McDonough Power Cooperative was blessed with another accident-free year in 1988. This is the second year in a row to be accident-free and the fourth year with no lost-time accident. The Cooperative was awarded a plaque for the best three-year safety record among electric cooperatives in Illinois. Employees of McDonough Power are to be commended on their safety record. A good safety program saves the Cooperative money, but the most important thing is that there is no pain and suffering by anyone.

Capital credits

The bylaws of the Cooperative state that the Cooperative pay capital credits 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 capital credits.

Capital credit refunds have been paid all members through 1964.

The capital credit refund factor for the year of 1988 is .07413 percent. This percentage factor is multiplied times the amount of revenue you paid the Cooperative for electricity during the year of 1988. This amount is assignable on the books of the Cooperative for the year.

If you wish to know what amount is assigned to your account, please contact the Cooperative.



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The 1989 McDonough County 4-H and Junior Fair will be July 11-13 at the 4-H Center, 3022 West Jackson Road, Macomb, according to Larry L. Wachtel, McDonough County Extension Adviser, Youth.

Judging of projects begins at 9 a.m. Tuesday, July 11, with sheep judging in the 4-H barn. This is open to the public. Judging in the 4-H auditorium begins at 9:30 a.m. This judging is closed to the public.

Last year, on Wednesday night, the Decorated Cow Contest was

4-H and Jun

Tuesday, July 11, 1989

9:00 a.m.	4-H
9:30 a.m.	Jud
2:00 p.m.	4-H
6:00 p.m.	Cat
7:00 p.m.	4-H
7:30 p.m.	T.B

Wednesday, July 12, 1989

9:00 a.m.	4-H
2:00 p.m.	4-H
3:00 p.m.	Act
7:30 p.m.	Bee
	Dec
	Dec
	Dar

9:30-11:00 p.m.

Thursday, July 13, 1989

9:00 a.m.	Bee
3:00 p.m.	All
	Jun

DIRECTORS

Thomas Curtis, President
Bill Pollock, Vice-President
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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

W

ugh
4-H
r Fair



very successful. This year, a Deco-
rated Pig Contest will be added to
the program.

"There are actually two fairs in
one," states Wachtel. The 4-H Fair
is for all McDonough County 4-H
members. The Junior Fair is for all
youth between the ages of 8 and 19
who live in McDonough County, or
belong to a McDonough County
4-H Club, or attend school in
McDonough County.

The events are open to the
public.

ow Schedule

Judging, 4-H Barn
Miscellaneous Projects Begins
Judging, 4-H Barn
pig show, near picnic shelter
how

Judging, 4-H Barn
Show
Younger Youth, T.B.A.
manship, 4-H Barn
Cow Contest, 4-H Barn
Pig Contest, 4-H Barn
4-Hers

g, 4-H Barn
Dismissed
w checks ready for distribution

Nominating Committee to meet

Members of the 1989 Nominating
Committee have been appointed by
McDonough Power Cooperative's
board of directors. The committee
will meet at the Holiday Inn,
Macomb, Thursday, June 29, 1989,
at 7 p.m. to nominate candidates for
election to the board of directors at
the 1989 annual meeting of mem-
bers to be held August 31, 1989, at
the Fellheimer Auditorium.

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): Wayne
England, 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): Lester Morrison, Plymouth.

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):
Scott Schwerer, Blandinsville, and

Donahue Taylor of Blandinsville.

District 4 (composed of all of
Blandinsville, Sciota and Emmett
townships in McDonough County):
Robert Bland, Route 1, Macomb.

District 5 (composed of the east
half of Scotland and all of New
Salem, Eldorado and Mound town-
ships in McDonough County
and part of Harris, Farmers and
Vermont townships in Fulton
County): Dave Clark, Route 1,
Bushnell

District 6 (composed of all of
Macomb, Walnut Grove, Bushnell
and Prairie City townships in
McDonough County and part of
Lee in Fulton County): Jeffrey N.
Moore, Route 1, Good Hope.

District 7 (composed of all of
Raritan, Point Pleasant, Swan
Creek, Greenbush and Media
townships in McDonough County):
Pat Thomas, Route 2, Roseville, and
William Brooks, Route 2, Roseville.

District 8 (composed of all of
Biggsville, Tompkins, Ellison,
Roseville, Lenox, Monmouth and
Spring Grove townships in Warren
County): Ted Munson, Route 1,
Monmouth.

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): Duff Shephard, Route 1,
Monmouth.

Annual Meeting August 31, 1989

GFCI: lifesaver

This is one in a series of consumer-oriented articles relating to home energy use. The articles are prepared in coordination with the Association of Illinois Electric Cooperatives Member Services/Power Use Section, which is made up of staff personnel of the state's electric cooperatives who are directly involved in consumer energy efficiency activities.

Many people have the misconception that a common, 120-volt circuit is not very dangerous. They probably have made accidental contact with a "live" wire, got a sharp, unpleasant but brief shock, and that was all. However, if the conditions are right, 120 volts can kill.

There are several factors that affect the amount of electrical shock to the human body. They are:

- **Time**—How long did the body receive the electrical shock?
- **Path**—What parts of the body did current flow through? (Example: An arm-to-arm path will allow current to flow through the heart.)
- **Quantity**—How much current passed through the body?
- **Resistance**—Was the body perspiring? Was the body standing in a damp area? Did the body have a cut or scratch where contact was made?

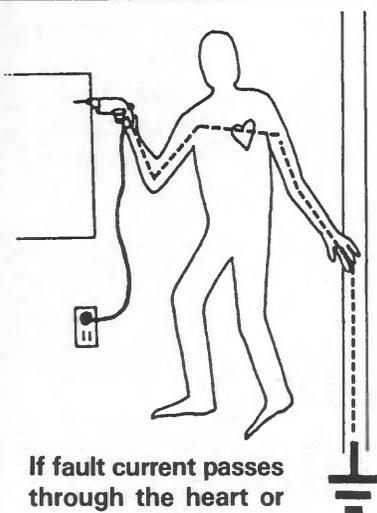
If the above conditions are "just right," a 120-volt electrical shock can be

fatal. For instance:

If a person is touching a faucet (which is grounded to the earth through the metal piping system) and reaches to turn on a faulty switch for the garbage disposal, the current flow is arm-to-arm directly across the chest. If the person is under a house lying on wet or damp soil using a faulty electric drill or trouble light, the result may be fatal. Or if a toddler standing barefoot on a heat register sticks fingers across the prongs a loosely plugged in cord, the shock may be fatal.

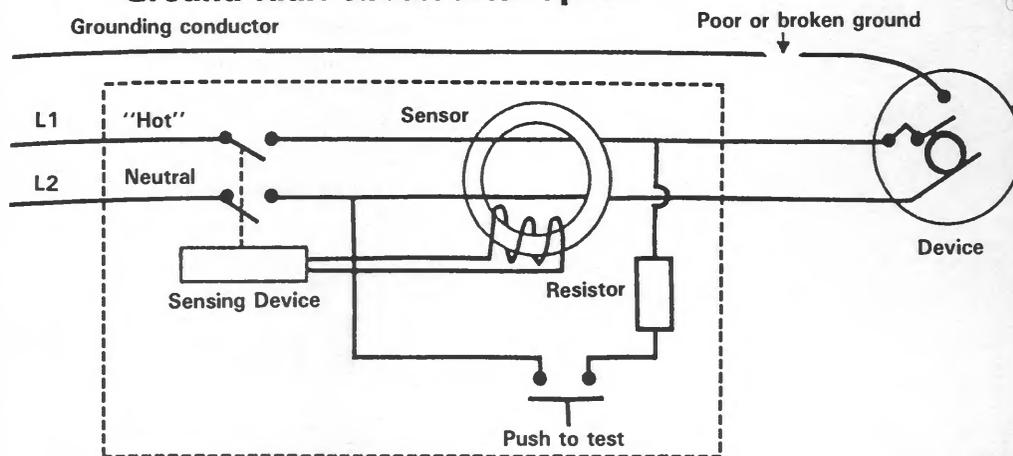
There are more people killed each year on 120-volt shocks than from high-voltage power lines. Anytime you feel a little "tingle" from an electrical appliance, be cautious. Disconnect it immediately and get a qualified electrician to inspect and correct it.

Fuses and circuit breakers are **not** designed to protect people. They are designed to protect electrical equip-



If fault current passes through the heart or head, a fatal accident may occur.

Ground fault circuit interrupter



The sensor (differential transformer) reacts to an imbalance created when current leaks to ground. The imbalance is amplified by the sensing circuit to open the circuit breaker.

These Special Features Maximize Your Protection

• You Are Guaranteed Acceptance

You cannot be turned down for this coverage. And, there are no medical exams to take, or health questions to answer, regardless of your health or age. Of course, we can guarantee your acceptance for one policy only.

• First Day Protection

Your cash benefits are paid from the VERY FIRST DAY of any covered hospital stay. You do not pay any deductible.

• Benefits For A Lifetime

Your cash benefits are paid for EVERY DAY of covered hospitalization. No matter how many days you are hospitalized, or how many times. Even for life!

• Pays On Top Of Any Insurance

That includes group insurance, major medical coverage, workers' compensation, prepaid health plans—even Medicare. And your benefits are not subject to state or Federal income tax.

• Money To Spend As You Choose

Your checks will come directly to you, unless you tell us otherwise. These cash benefits are yours to use in any way you wish.

• Coverage Is Good At Any Hospital

Your Protection Plus coverage is good at any hospital, anywhere in the world—even federal and VA hospitals. The only exceptions are nursing homes, convalescent, extended care or self-care units of hospitals.

• Rate And Renewal Safeguard

No matter how many claims you file—or how much money you collect—we guarantee to renew your protection for as long as you wish. Only you can cancel your coverage. And, the only way your rate can ever change is if we raise the rate on all policies like this in your state.

• Please Note These Limitations

For confinement due to mental illness, half benefits are paid for up to 30 days. Old health problems (those that became evident or were treated before the effective date of your policy) are not covered for the first year. But once that year is up, even a health problem you've had for years is covered!

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You can choose the Individual Plan for just yourself, the Husband-Wife Plan for yourself and your spouse . . . or you can include all your eligible dependent children under either the One-Parent or All-Family Plan. And everyone you insure receives the same full benefit protection you receive. There are no reductions for your spouse or children.

• Money-Back Guarantee

If you are not 100% satisfied with your policy (P500 series), just send it back to us within 30 days. You'll receive a complete refund of your premium. No questions asked.

Your First Month's Premium Is Only \$1.00! Then Continue At The Low Rates Shown Below:

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Pays \$2,250.00 A Month—\$75.00 A Day!

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	(use age of principal insured)	
Individual	\$18.45	\$21.20
Husband-Wife	34.35	39.30
All-Family	44.15	49.10
One-Parent	28.25	31.00

OPTION B

Pays \$1,500.00 A Month—\$50.00 A Day!

	39 & under	40 & over
	(use age of principal insured)	
Individual	\$12.95	\$14.95
Husband-Wife	24.35	28.05
All-Family	31.15	34.85
One-Parent	19.75	21.75

OPTION C

Pays \$900.00 A Month—\$30.00 A Day!

	39 & under	40 & over
	(use age of principal insured)	
Individual	\$ 8.55	\$ 9.95
Husband-Wife	16.35	19.05
All-Family	20.75	23.45
One-Parent	12.95	14.35

NOTE: Your renewal rate does not increase when you move from one age group to another.

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First Middle Initial Last

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Street Apt. No. City State Zip

PHONE NO. (_____) _____ SEX (check one) Male Female
(for customer service only)

DATE OF BIRTH _____ AGE _____
Month Day Year

Choose the Plan You Want (check one)	Select Option You Prefer (check one)
<input type="checkbox"/> Individual Plan 4	<input type="checkbox"/> OPTION A Pays \$2,250.00 a month (\$75.00 a day) 48991-503
<input type="checkbox"/> All-Family Plan 1	<input type="checkbox"/> OPTION B Pays \$1,500.00 a month (\$50.00 a day) 48991-502
<input type="checkbox"/> Husband-Wife Plan 3	<input type="checkbox"/> OPTION C Pays \$900.00 a month (\$30.00 a day) 48991-501
<input type="checkbox"/> One-Parent Plan 2	

Information About Your Spouse
(complete if you have chosen the Husband-Wife or All-Family Plan)

SPOUSE'S NAME _____
First Middle Initial Last

DATE OF BIRTH _____ SEX _____
Month Day Year

I enclose my first month's premium of \$1.00. I understand the policy is not in force until issued and benefits will not be paid for old health problems unless confinement begins one year after the issue date.

SIGNED X _____ DATE _____
Insured's Signature SIGN—DO NOT PRINT

Form E-500-1 Please make check or money order payable to: Physicians Mutual 2600 Dodge P.O. Box 3313 Omaha, Nebraska 68172 P503/502/501-4844A



manager's report

by William C. Lemons

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IREN SUPPLEMEN

Energy-efficient home heating and cooling

One of the largest costs homeowners face is the heating and cooling costs of their homes. Heating is the largest energy expense of the home and air conditioning is not far behind.

It is then very important that the homeowner has all the facts on home heating before deciding on the heating system and fuel for the home. Today it is not wise to leave the heating system to chance. This is not the place to cut cost.

In earlier times many believed that the heating system was not important. It was not seen and did not add to the eye appeal of the home. It was installed with the least thought and concern. Today it is known that the heating system can add value to the home and improve the comfort of the people living in it.

The most important consideration is comfort. This includes insulation values, the duct system and the type of heat. The second consideration is the operating cost. This consideration must take into account the present operating cost as well as the future cost of the energy. The third is safety. The system must be safe to operate when no one is home and especially at night when everyone is sleeping. The fourth is cleanliness. No one wants a heating system that adds to the normal dust and dirt found in the home.

The question now is: How can an individual pick a heating system that meets all of these considerations without having a master's degree in heating systems? It is not easy, and a lot depends upon a

heating contractor. He must know the value and advantages of the different heating systems.

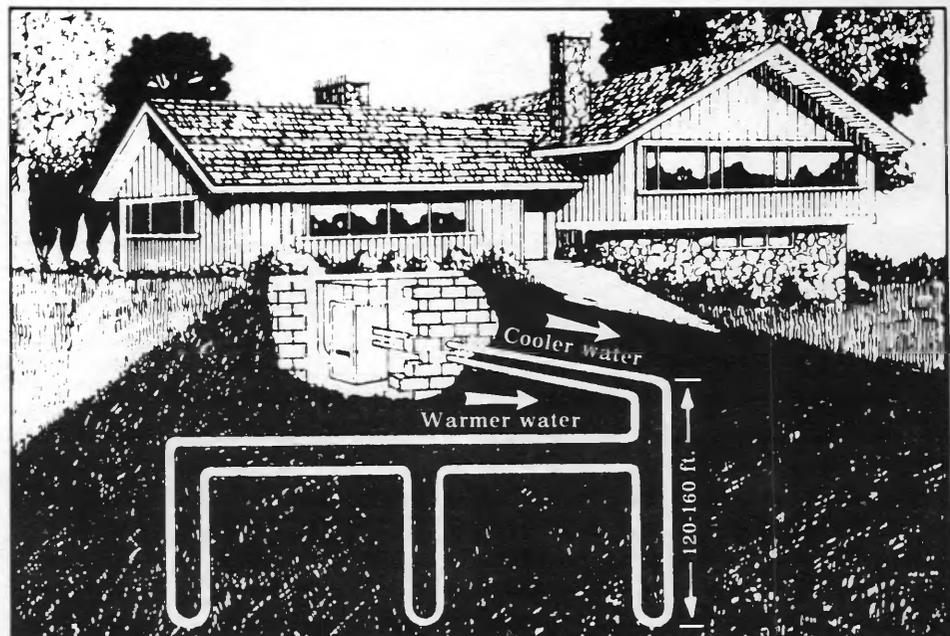
The ground source heat pump is one of the systems you should consider. This heating system uses the heat stored in the ground to heat the home. The heat pump collects the heat, compresses it to heating temperatures and delivers it to the home. The system does this without the use of explosive fuels. There are no fire hazards from open flames. The energy used is clean and there are no outside pollutants introduced into the home.

Cost is a big concern and one that must be considered for the present and the future. The cost of installation of a ground source heat pump should be considered over the life of the unit. The initial installation will cost more, but the efficiency of

the unit will give the owner considerable savings over the useful life of the ground source heat pump.

Electricity has seen a decade of increasing prices but has now reached a point where there is stability. McDonough Power has had the same problems as any utility. The plant is now in place and there should be very little increase for the foreseeable future. The power plants that supply the power to the Cooperative do not depend upon fuels that are in short supply.

The heating and cooling system you install is going to last a long time. The expected life of any heating system is 20 to 30 years. It is important that you consider the different heating systems and determine the one best suited to your needs.



The ground source heat pump

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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

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Capital credit refunds total \$272,000

Checks totalling nearly \$272,000 will soon be going to members of McDonough Power Cooperative who received electric service from the cooperative during the years 1965 to 1969. Checks will be mailed to McDonough members during the week of July 24.

McDonough Power Cooperative manager William C. Lemons said this is the first time the cooperative has been financially able to issue capital credit retirement checks to members since 1964.

Capital credit certificates are issued to all cooperative member-owners at the end of each fiscal year and represent funds paid into the electric cooperative by the member-owners over and above the actual costs of providing electrical service. The amount of capital credits assigned to the account of each member is directly related to the total patronage of the member during that year.

Lemons explained that normally

a cooperative requires excess operating income to make needed improvements in the cooperative's electrical distribution system or to retire debt. "This becomes the members' investment in the physical plant," he said. "This is an obligation the cooperative has to its members, and we are extremely pleased that our operating margins for the past few years have allowed the cooperative to resume retiring older capital credits."

Lemon's said the McDonough Power Cooperative board of directors has set a goal of retiring capital credits each year so long as financial conditions permit. The Rural Electrification Administration and the National Rural Utilities Cooperative Finance Corporation, the two organizations that provide investment capital to electric cooperatives across the nation, recommend that cooperatives retire capital credits assigned to members on a 20-year rotation basis. Lemons

said the McDonough board hopes to pay capital credits on an even more timely basis.

Lemons said that capital credits paid by electric cooperatives represent the most significant difference between electric cooperatives and other utility organizations. "Electric cooperatives operate on a not-for-profit basis," Lemons said. "In an investor-owned utility the excess of income over cost is paid out to stockholders while in an electric cooperative the excess of income over cost is returned to the members as capital credits. We are pleased that approximately 4,200 residents of our service area will soon see benefits of their cooperative membership in the form of capital credit checks."

McDonough Power Cooperative serves 4,675 meters over 1,376 miles of energized lines in mostly rural portions of McDonough, Warren, Knox, Fulton, Hancock, Schuyler, and Henderson counties.

Work charge procedure

The following are excerpts from an operational procedure that applies to our members.

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, guy, or building moves.)

All time, equipment, and material will be charged to an assigned job order number.

Rates: Labor—\$25/man hr. \$35 overtime

Overtime calls: Charges will be made for overtime calls that are requested by the member for a connect 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 of the overtime charges and must agree to them before dispatching a crew.

The charges for overtime calls will be a minimum of \$90 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 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 will be \$25.

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mances by entertainers. Planned local events for the 18 ports-of-call include annual celebrations, craft demonstrations and sales, music and theatre performances, food concessions, displays, and contests.

Although the exhibit is free to the public, a ticket system will be employed to prevent crowding on board the floating museum. Advance registration is recommended

for tour groups and school field trips.

The Belle Reynolds tow boat is not fully handicapped accessible. A companion or parent should be present to accompany special visitors on board the vessel. A wheelchair will be available for use in the gallery areas.

For more information, call Mike Manning or Joan Gardner at 217/782-7386.

Tour Schedule

Date	Location	Local Celebration	Landing Site
August 27	Peoria	Harvesting the River Launching Ceremony	Boatworks
August 28-30	Hennepin	150th Anniversary Courthouse Celebration	Riverfront Park
September 1-4	Illini State Park	Labor Day Weekend Celebration	Riverside Area
September 5-10	Joliet	Harvesting the River Citywide Festivities	Will-Joliet Bicentennial Park
September 11-14	Morris	Harvest the River Days	Stratton State Park
September 16-20	Starved Rock State Park	Turn of the Century Celebration	Riverside Area
September 21-23	Henry	Marshall County Sesquicentennial Celebration	Waterworks Park
September 24-26	Lacon	Month of the River Celebration	City Marina
September 28- October 1	Chillicothe	River Roaming Days	Cutright Park
October 2-8	Havana	Riverside Autumn Arts Fair	Riverfront Park
October 9-12	Beardstown	Fish Fry Celebration Revival	Main Street Riverfront
October 14-16	Kampsville	Old Settlers Day Celebration	Riverfront Park
October 17-23	Alton	Architectural Tour and Exhibit	Great River Road
October 25-27	St. Louis	225th Anniversary Salute	Gateway Arch
October 28-31	Grafton	Riverside and Wetlands Activities	Public Boat Launch
November 1-3	Hardin	Memories of the Illinois	Water Street Riverfront
November 4-6	Meredosia	Year of the River Festival	Public Boat Launch
November 8-12	Pekin	Days of the River	City Boat Launch
November 13-22	Peoria	Riverside Settlement History	Boatworks

Harvesting the River, and many of the local celebrations and special programs, will be open to the public free of charge.



manager's report

by William C. Lemons

Watts n

IREN SUPPLEME

McDonough Power Cooperative's Annual Meeting

Thursday, August 31, 1989

Fellheimer Auditorium, Macomb High School: 7:30 p.m.

**Election of directors — Report of officers and manager —
\$5 will be credited to September bill for registering
Drawing for \$10 credit on September bill
\$25 name-a-minute drawing, must be present to win
Speaker — Proposed bylaw amendments**



The 1989 McDonough Power Cooperative annual meeting will be held Thursday, August 31, 1989, at 7:30 p.m. at the Fellheimer Auditorium, Macomb High school, South Johnson Road, Macomb.

Your official notice will be mailed approximately August 16, 1989. This notice will list the names of the members nominated for your cooperative board of directors. These nominees were selected by the nominating committee, who met June 29, 1989. Additional nominations may be made by petition or from the floor at your annual meeting.

A name a minute will be drawn during the official meeting. for those who are present and name is drawn, a \$25 credit toward your September energy bill will be given.

There will be three drawings, 10 names each time, or total of 30 names drawn from those registered to receive \$10 credit on their September energy bill. Each member who registers will receive \$5 on their September energy bill.

Remember—you must be present and registered to be eligible for the electric energy credit drawing.

DIRECTORS

Thomas Curtis, President
 Bill Pollock, Vice-President
 Kenneth Moore, Secretary
 Harold Anderson, Treasurer
 Wade Blansett
 Howard Butler
 Lyndall Pigg
 Stan Prox
 Jerry Riggins
 John D. McMillan, Attorney

McDonough Power Cooperative**MACOMB, ILLINOIS 61455****All Co-op Electric Outages 837-1400****W****Meeting of members**

Following are excerpts from the bylaws concerning meeting of members.

ARTICLE II. Meeting of Members: Section 1. Annual meeting. The annual meeting of members shall be held once each calendar year at such time and at such place within a county served by the Cooperative, as selected by the Board and which shall be designated in the notice of the meeting, for the purpose of electing Board members, passing upon reports for the previous year and transacting such other business as may come before the meeting. Section 3. Notice of member's meetings. Written or printed notice stating the place, day and hour of the meeting and, in case of a special meeting or an annual meeting at which business requiring special notice is to be transacted, the purpose or purposes for which the meeting is called, shall be delivered not less than seven

days nor more than thirty days before the meeting, either personally or by mail by or at the direction of the Secretary, or upon a default in duty by the Secretary, by the persons calling the meeting, to each member. If mailed, such notices all be deemed to be delivered when deposited in the United States mail, addressed to the member at his address as it appears on the records of the Cooperative, with postage thereon prepaid. In the case of a joint membership, notice given to either husband or wife shall be deemed notice to both. Section 4. Quorum. At least one percent of the members present in person or represented by proxy shall constitute a quorum for the transaction of business at all meetings of the members. In case of a joint membership shall be regarded as the presence of one member. If less than a quorum is present at any meeting, a majority of those present in person or represented by proxy may adjourn the meeting from time to time without further notice.

**Williams****Williams to speak at annual meeting**

Entertaining the members attending the annual meeting will be a man with a long history in rural electrification. John W. Williams, Jr., is currently the president of the board of the National Rural Electric Cooperative Association. He has served on the NRECA board since 1976, serving as secretary-treasurer and vice president before being elected president.

Williams is a native of Calvert County, Maryland, having served in the navy, he farmed and worked for the farm credit system and as regional representative of the Baltimore Farm Credit bank.

He served as director of Southern Maryland Electric Cooperative since 1958 and has been a director and past president of the Virginia, Maryland, Delaware Association of Electric Cooperatives. With this vast experience in electric cooperatives, he will be able to bring our members much constructive information concerning electric cooperatives.

Nominating Committee report

Pursuant to the bylaws, the members of the nominating committee met at the Holiday Inn, Macomb, June 29, 1989, at 7:00 p.m. to nominate candidates for election as directors at the McDonough Power Cooperative's next annual meeting of members to be held at 7:30 p.m., Thursday, August 31, 1989.

The following members were present:

Ted Munson	Donahue Taylor
Bob Bland	L. Scott Schwerer
Jeffrey Moore	Charles Ross
Lester Morrison	Wayne England
William Brooks	Duff Shepherd
Pat Thomas	

The committee selected the following nominees to be candidate for directors to serve for a three year term and be elected at the annual meeting.

District 1—Wade R. Blansett

District 3—Bill Pollock

District 7—Harold Anderson

Any 15 or more members acting together may make other nominating by petition. Additional nominations for directors may be made from the floor at the meeting.

S/Duff Shepherd, Chairman
 June 29, 1989

Experts Report... Once Established... Water Just Once A Week... Be Absolutely Amazed As All Growing Season Long—Week In, Week Out... Compared To Even The Majestic Black Spruce... WONDER SHADE TREE...

ZOOMS TO THE SIZE OF A 15 YEAR OLD TREE IN JUST ONE SINGLE YEAR!

YES, ROOF-HIGH IN JUST ONE YEAR!

and keeps on skyrocketing 30-40-50 EVEN UP TO 60 FEET HIGH OR MORE in less time than most trees nudge themselves a few feet off the ground.

IT'S ALMOST LIKE GROWING INSTANT SHADE

Actually Soars Into A Magnificent Tree IN JUST ONE YEAR!

Yes! Based on amazing growth rates reported by plant scientists—it grows SO FAST... arches out SO WIDE... you can actually take a ruler and measure the incredible difference in height every 2 to 3 days! OR, to really leave your neighbors gasping in awe and wonder, give them a yardstick and let them measure the difference IN FEET every 2 to 3 weeks!

Yes, goes on to thrust itself so high, so fast that it actually towers over even a Japanese Red Maple, Cherry Tree or even the most graceful silky willow in such a ridiculously short time you will simply refuse to believe your eyes! Think of it!

GROWS MORE IN JUST ONE MONTH THAN MOST TREES GROW IN AN ENTIRE YEAR!

Because according to plant experts, Govt. scientists and Botanical Gardens who researched this wonder-hybrid... once established, you merely water it once-a-week, and be absolutely floored as, during its SUPER-SOARING growing season, it GROWS AS MUCH AS A FULL 1/2-FOOT WEEKLY AFTER EVERY TIME YOU WATER IT!

That's right! Grows higher than even a full grown Flowering Dogwood IN JUST ONE SINGLE SEASON! Grows higher than even a full-grown Star Magnolia IN JUST ONE SINGLE YEAR!

PLANT NOW—REACH OUT AND TOUCH ITS LUSH, THICK BRANCHES FROM YOUR SECOND STORY BEDROOM WINDOW BY THE NEXT SUMMER!

No doubt about it. There's just not another "Instant" Shade Tree like it on this planet! Because thanks to this miracle of plant science, instead of spending a small fortune on a tree and then waiting half a lifetime for it to grow... get set for the garden-wonder of your life as this super-soaring hybrid rockets forth from a prize nursery-grown plant to a tower of roof-high beauty in less time than you ever dreamed possible.

GROWS IN VIRTUALLY ANY SOIL—REQUIRES NO SPECIAL CARE—SOARS INTO A MASTERPIECE OF BEAUTY IN JUST A MATTER OF MONTHS!

Best of all, unlike most trees that demand constant care, constant pampering... about the only thing you do after you plant this super-growing wonder-hybrid is water it and enjoy it! That's why leading botanical gardens... landscape artists... garden editors... can't stop raving about its indescribable beauty... its trouble-free care... its surging, towering growth.

Small wonder that leading experts hail it in the most glowing terms... recommended it again and again for homeowners who want a stunning display of beauty... both a wind and privacy screen and deep, cool shade... and with practically no more work than a thorough watering each week!

VITAL STATISTICS FROM LEADING EXPERTS

MATURE GROWTH SIZE: as much as 40 to 65 feet

MATURE SPREAD: as much as 30 to 35 feet

ZONE OF HARDINESS: Hardy from the deepest South to as far North as Vermont, Minn., Quebec, British Columbia. Winter Hardy in areas where temp. drops as low as 30 degrees below zero.

LIGHT NEEDS: Grows beautifully in Sunny location.

DECORATIVE MERITS: Highly recommended by landscape architects as beautiful decorative specimens for homes, parks, highways, etc., where exceptional fast growth and beauty are required. Perfect for fast screening and privacy.

RAPID RATE OF GROWTH: Experts report growth rates on specimen trees that measure up to 8 FEET THE VERY FIRST YEAR ALONE. That's more than most shade trees grow in 3... 4... 5... even 7 years. Yes, once established will grow ranch-house-roof high IN JUST ONE SINGLE YEAR, that's right—The very next year after planting! Experts also report it soars an amazing 5 to 8 feet each year for YEARS thereafter. Naturally results are based on optimum growing conditions. Takes but 10 minutes to plant and normal care rewards you with a lifetime of beauty starting this very year.

CARE: Nothing special—just normal garden care. Water fully once weekly. Naturally resistant to most diseases, pests or insects.

WE HAVE AT THIS MOMENT ONLY A LIMITED SUPPLY AVAILABLE FOR RELEASE TO THE PUBLIC—FULL SUPPLY WON'T BE READY UNTIL 1990 SO ACT NOW!

Now the price of this super growing shade tree is not \$20 or \$30 as you might expect, but a mere \$3.95!

That's right, only \$3.95 for this magnificent Beauty that rewards you with such a glorious display of growth IN JUST ONE SINGLE YEAR. However, our supply is limited! Full supplies from the growing fields will not be ready until late 1989 or early 1990. Therefore, all orders must be shipped on a first-come, first-shipped basis. To make sure you don't miss out... ACT NOW!



Grows More in One Month Than Most Other Shade Trees Grow in An Entire Year—More in One Season Than Ordinary Shade Trees Grow in 2 Years, 3 Years or Even 5 Years! (Illustration shows magnificent size, spread and beauty of mature Populus hybrid-fam. Salicaceae.)

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Remember, Satisfaction is fully guaranteed. You must be thrilled in every way with this spectacular fa-s-t growing shade tree or RETURN AT ANYTIME within 90 days for a full refund of purchase price. ANYTIME within 1 year for free replacement. Could anything be fairer? Now is the time to order and replant—so send no-risk coupon today!

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- (#004) 4 for only \$10.00 (SAVE OVER \$7.00) plus \$1.50 postage and handling.
- (#010) 10 for only \$20.00 (SAVE OVER \$20.00) plus \$3.00 postage and handling.
- (#020) 20 for only \$30.00 (SAVE OVER \$55.00) plus \$5.00 postage and handling.

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Picture your patio bathed in the cool beauty of this show-stopping miracle tree from early spring to the first snows of winter.

Just a few minutes planting time—a few seasons' growing time, rewards you with twin towers of beauty.

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horses

involved in a string of gasoline stations in Indiana.

"The place needed a lot of work," Brett says. "It was plowed up when we got it. We sowed the pastures in bluegrass and 70 acres in hay, and there was an old unused road through the place that we needed to have closed. Then we set to work like mad building board fences.

"Well," the Eastern Illini Electric Cooperative member laughs, "it didn't take long for us to get tired of doing that, so we finished up with rubber fences. Then we set up a track to run the horses on, cleaned the place up a bit, and we were ready to go."

They hired Don Ames "to do a little bit of everything," and brought in the horses. They usually have anywhere from 12-20 head on the place at any one time, usually about 15, which they race mostly in the Chicago area. There are 100 head of

horses on the farm year round—broodmares, weanlings, yearlings, and two stallions that breed 70 mares a season.

"Racing and training horses is a year-round business," Brett says, "and my grandfather's training farm in Florida's a big help through the winter in preparing new horses to race in Chicago."

It surprises many people, he says, to learn that winter time is a busy season for harness racing.

While many people think a lot of money is all that's needed to get a string of horses going, the Wilfongs say that's not true. Perseverance, dedication, good judgment, a good business sense and a lot of hard work can be substituted, at least in part, for some of the necessary money. "It costs a lot, especially now, and we're fortunate to have been in it a long time," Brett says.

The family's long experience comes into play particularly when it comes time to decide which horses to keep and which to sell. Lynn and Brett occasionally go through the herd, checking carefully for just the right conformation and looking for the subtle differences that separate winners from also-rans.

Those that show promise are trained and, when they're ready, are taken to the races. Iroquois River Stables occasionally stables and trains horses for others, too. In fact, a Milwaukee Brewers pitcher has a horse there now. "We don't really make that much of a practice of training other people's horses, though," Brett says.

One advantage to the Wilfongs' business, Candy notes, is that it can be a family thing. "Every once in a while," she says, "we'll load the horses in a trailer, bundle up the kids, and take them with us. Brittany's 5, and she enjoys the outings. Blake, who's one year old, is a little young to appreciate the trips yet, but we're working on it. Sometimes we have neighbors come along, and that makes it better yet."

"The unique thing about this operation is that we breed, raise, train, and race our own horses year-round," Brett says.



Brett Wilfong leads one of the Iroquois River Stables horses.

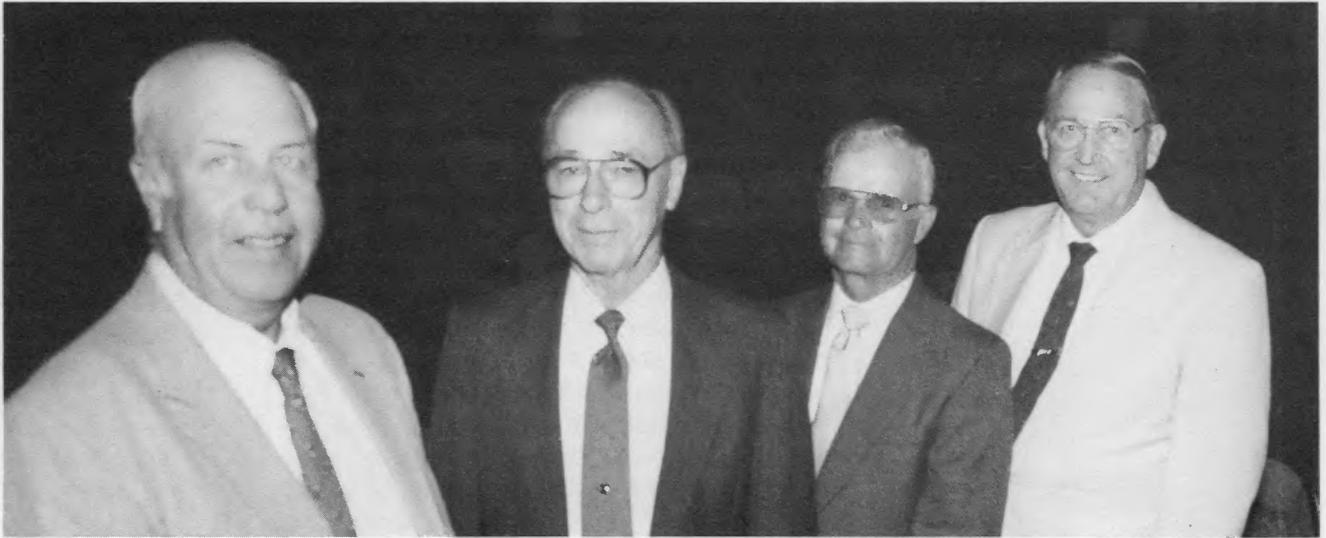


manager's report

by William C. Lemons

watts n

IREN SUPPLEMEN



Three members of McDonough Power Cooperative have been reelected to the board. From left are William Pollock of Colchester, Wade (Bob) Blansett of Macomb, Harold (Andy) Anderson of Roseville and manager William C. Lemons.

Rate stability projected

McDonough Power Cooperative members can anticipate stable electric rates into the 1990s, officials reported during your cooperative's 52nd annual meeting August 31 in Macomb.

Tom Curtis of Monmouth, president, said McDonough's power supplier, Soyland Power Cooperative, projects stable wholesale rates through 1991. "Only the rate of inflation would change our projections," Curtis told members. McDonough Power has one of the lowest rates among electric cooperatives in Illinois, he added.

In addition to the rate stability projections, Curtis said the cooperative maintains an outstanding financial position despite the lack of load growth on the system. "This strong financial condition and the absence of adverse weather allowed the cooperative to return capital credits

to members who received service from the cooperative in the years 1965 through 1969. Curtis said the cooperative mailed 4,371 refund checks totaling \$274,207 to eligible members in late July.

"Patronage capital is derived from margins created when revenues are in excess of purchased power costs and operational expenses. These margins are then prorated among the members, based on the members' electric use for those years for which capital credits are declared. Capital credits are then assigned to each member's capital credit account for later distribution," he said.

The board has established a goal-based policy to determine each year whether capital credits are to be returned.

Three members of the cooperative were reelected to three-year

terms on the board of directors. Reelected were Wade (Bob) Blansett of Macomb, District 1; William Pollock of Colchester, District 3; and Harold (Andy) Anderson of Roseville, District 7.

Manager William C. Lemons updated members on electric distribution system work under way. "Construction is complete on the new Macomb substation located on the northwest corner of Macomb. This substation replaces the old Macomb substation, which was the first substation owned by McDonough Power," he said, adding that a new, one-mile transmission line recently completed provides increased service reliability for members served by four substations in northern McDonough County.

Lemons also said the lack of new housing starts in the area has pro-

DIRECTORS

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McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

vided McDonough crews with the opportunity to do maintenance work on the system, including right-of-way clearing and pole replacements.

The cooperative continues to control operational costs, he said, noting that McDonough Power serves more members per employee and has more miles of line per employee than any electric cooperative in the state.

Treasurer Anderson said the cooperative had total revenue of \$6,366,257 in 1988, compared to \$5,965,764 in 1987. Electric power cost the cooperative \$4,802,369 in 1988, up about 5 percent from

1987. Total margins for 1988 were \$465,449, he said.

John W. Williams, Jr., of Prince Frederick, Maryland, was guest speaker. Williams, president of the board of the National Rural Electric Cooperative Association, the service organization for the nation's electric cooperatives, discussed differences and similarities between McDonough Power Cooperative and his home electric cooperative. "Your cooperative has 4,600 members, mine has 86,000," Williams said, "but the only basic differences are numbers and the causes of the numbers." He went on to say that the cooperative that provides his

home and farm service is located near Washington, D.C., and that farming is giving way to housing development.

Williams said, "Your cooperative has one of the outstanding safety records in the nation, and your cooperative's equity level of 65 percent is more than twice that of my cooperative's." He said the two cooperatives, though greatly different in size, share the same dedication to cooperative principles and to the objective of providing quality electric service at a reasonable cost.

Name-a-minute drawing

Following are the members' names drawn at the annual meeting for the \$25 credit to their September electric bill. The members must have been in attendance to receive this credit. Those in attendance are marked with an asterisk.

Jerry Allison
 Russell Ashwood
 *Roscoe Aten
 William Ault
 Janet Auten
 L.D. Bean
 Gary Beck
 Larry Bradford
 Donald Browne
 Charles Butterfield
 Judith Butterfield
 Randy Byers C Steve Chipman
 Jackie D. Clark
 Neale A. Cloyd
 John Connor
 John E. Cook
 Howard Copeland
 Wayne Copes
 George Coutre
 J. Ray Danielson
 Don Davis
 Ron Derrig-Green
 Shelly Doty
 Jenna Draper
 William Edwards
 Terry W. Ellis
 James Eskridge
 John Felt
 Esther Fowler
 Gary A. Fowler

Howard Frakes
 Deborah Friesen
 James Graham
 Paul Green
 James Haas
 Johnnie Hall
 William Hallam
 Dorothy Haulk
 Francis Hellyer
 Mike Hammond
 J.A. Hennings
 Charles Hensley
 Lyle Hickman
 Harold Higgins
 David Hilton
 J. Max Hobart
 Eddie L. Hyde
 Darwin Irwin
 Russell Jensen
 Jeffrey Jones
 Bryon Keener
 William Kelso
 John Kendricks
 Richard Krohe
 *Donovan Lawyer
 William B. Lorton
 *Melvin Lotz
 McGrew Brothers
 Dan McMillan
 Stephen L. Mahoney

Leroy Mackey
 Howard Markley
 Mark Matthew
 Duane McKee
 Howard D. Miller
 Ben Miner
 Everett Moon
 *Glade Moore
 Larry Moore
 John Mowery
 Louis Myers
 *Robert Neas
 Duane Nelson
 John Nickson
 Osita Nwachukwu
 Stan O'Hern
 Lori Olson
 Siyoung Park
 Paul Parkins
 Samuel D. Parkins
 Charles Pfeiger
 Robert E. Powell, Jr.
 Charles Ralston
 Robert Raymond
 *Carl Reid
 James Robertson
 Charles Roe
 Dean Ruebush
 Henry Ruebush
 Lynn Ruebush

Ruebush Land Corp.
 Cathy Ruff
 Rodney Russell
 William G. Scalf
 Arvin Schroeder
 Chris Schwerer
 Herb P. Schwieter
 Brian Sears
 Duane Sheckler
 Joseph S. Sisko
 Doris L. Smith
 Gertrude Smith
 Steven Sowers
 Jack L. Stick
 Lee Stroops
 James W. Taylor
 Don Terrell
 Melvin Toland
 Ross Vansyckel
 Connie Weber
 Lori Weinberg
 Dennis Wells
 Jane Wilson
 Llosy S. Wilson
 Mary Wilson
 Robert Wilson
 Lee Worthington
 Margaret Worthington
 *Stanley F. Wright

Caulking tips

This is one in a series of consumer-oriented articles relating to home energy use. The articles are prepared in coordination with the Association of Illinois Electric Cooperatives Member Services/Power Use Section, which is made up of staff personnel of the state's electric cooperatives who are directly involved in consumer energy efficiency activities.

Caulking compounds are materials used to fill, cover and seal cracks and construction joints in houses. This, of course, stops air and moisture infiltration and will reduce your home heating and cooling bills. Here are some of the areas where caulking compound should be checked and applied each year, if needed:

1. Exterior joints where window and door frames meet siding
2. Corners formed by siding
3. Where exterior masonry fireplace chimney meets siding
4. Where porch meets siding
5. Joints between the foundation and the wall siding
6. Where sill plate meets foundation
7. All other exterior openings

Do not caulk the holes that are commonly found in vertical mortar joints along the bottom of bricks walls. These weep holes are to drain

moisture that penetrates the wall. Also, do not caulk the bottom of the combination screen and storm sash. It is necessary to allow drainage of water that can accumulate between the window and the combination frame when the storm window is open and the screen is in place.

If old caulking is flaking or cracking, it should be replaced. Remember to clean old joints first to get good adhesion. Be certain to check other areas which could be sources of undesirable air infiltration. As a general rule, caulking should be applied wherever two different materials or parts of the house meet.

There are three basic classes of caulking compounds. Be sure to read the label on the caulking compound before you purchase. There is a variety of caulking compounds within each base type. Acrylic-latex caulking compound gives good results for many jobs, but check other products if you have a special need.

You can apply caulking with a few low-cost tools and a little practice. When you load your caulking gun, cut the tube open with a sharp knife at a 45 degree angle near the end of the tapered portion. The ability to lay a nice uniform bead comes with a little practice.

These few suggestions will help you do a more professional job and help reduce air infiltration, one of the biggest sources of energy waste.





watts new

McDonough Power Cooperative Macomb, Illinois 61455

Check your heating system

Furnaces: Read the owner's manual; 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 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 yourself 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, call an experienced serviceman.

Meet your directors



Anderson

Harold Anderson

Harold Anderson of rural Roseville was elected September 4, 1979, as director from District 7, which is composed of townships Raritan, Point Pleasant, Swan Creek, Greenbush and Media.

He has served as treasurer of the board of directors for seven

years. He is also the director from this cooperative on the board of the Association of Illinois Electric Cooperatives in Springfield.

He is an active member of the Masonic Lodge at Good Hope, and he is a past member of the board of the Roseville School Unit 200.

Harold and his wife, Twila, live on a 600-acre grain-and-livestock farm south of Roseville. He also raises black angus cattle. Harold and Twila are the parents of a son, Mark, who resides near Roseville on a farm, and a daughter, Phyllis Bend, who resides in Pontiac. They are the proud grandparents of one granddaughter.

Harold was raised and has always lived in the Good Hope and Roseville area. At the recent annual meeting he was reelected as director from District 7 for another three years.

DIRECTORS

Thomas Curtis, President • Bill Pollock, Vice-President • Kenneth Moore, Secretary • Harold Anderson, Treasurer • Wade Blansett
Howard Butler • Lyndall Pigg • Stan Prox • Jerry Riggins • John D. McMillan, Attorney

All Co-op Electric Outages 837-1400

Do you know these people?

A full list of people who have not claimed their capital credit check for the years 1965-1969. We need a current mailing address for each person below, or, if the person is deceased, the name and address of their nearest living relative. If you have any information pertaining to these people, or know of anyone who lived on our lines during this period, who has not received a capital credit refund check, please contact McDonough Power Cooperative.

Gary Adams, Bunker Hill
Wayne Aden, Virginia
Richard Adkisson, Roseville
Harry Adwell, Abingdon
Allen Agans, Galesburg
Larry Alexander, Macomb
A.A. Allen, Galesburg,
Junia Allen, Abingdon
Leroy Allen, Monmouth
Dean Allison, Macomb
Noel Allison, Macomb
Edgar Allsup, Harlingen, TX
R.D. Alter, Springfield
Wilber Anders, St. Augustine
A.D. Anderson, Industry
Andrew Anderson, Bardolph
Louie Anderson, Monmouth
Merilyn Anderson, Roseville
Vernon A. Anderson, Galesburg,
Vern G. Anderson, Macomb
Wayne Anderson, Vermont
Rhoda Andrews, Colchester
Gerald Antoine, Roseville
William Arthur, St. Augustine
Harold Ashton, Leslie, AR
Virgil Ashton, Cameron
Earl Aten, Good Hope
Ruth Atherton, Industry
Harold Atkinson, Monmouth
Thomas Atkinson, Macomb
Clyde W. Ausmus, Roseville
John Babb, Argenta
Arthur Badger, Macomb
Roger K. Bagg, Macomb
Beulah Bainter, Galesburg
Clarence Bainter, Macomb
Katherine Bainter, Wabasso, FL
M.L. Baker, Kirkwood
William Baker, Galesburg
Lewis Ballew, Galesburg
Keiter Banks, Macomb
Gerald Barker, Biggsville
James G. Barnes, Macomb
Chester Bartlett, Colchester
George Bartlett, Macomb
Jesse Beam, Macomb
James R. Bean, Colchester
Mary A. Beck, Colchester
Melvin D. Beck, El Toro, CA
Michael Beck, Macomb
R.V. Becktel, Roseville
Martin Behr, Chicago
Willard Bell, Sciota
Joey Belville, Macomb
Vern Bent, Abingdon
Marjorie Berry, Industry
Joseph Best, Macomb,
Norman Bettis, Macomb
Clarence Bigsby, Colchester
Naomi Bishop, Macomb
John Black, Macomb
Lillie M. Black, Macomb
James R. Blair, Macomb
Silas Bland, Industry
Ed Blanke, Colchester
W.E. Blansett, Monmouth
Tom Bloom, Macomb
William W. Bloom, Macomb
Richard Bollinger, Macomb
Henry Bollman, Smithshire
Frank J. Borth, Carlock

Larry N. Boughton, Cameron
Bert Boylen Estate, Avon
Raymond Boys, Augustine
David Bradley, Macomb
Donald H. Brady, Abingdon
Eric J. Bransky, Macomb
George Braun, Macomb
Kenneth Brewer, Macomb
Paul Briggs, Macomb
Dennie Brinkley, Macomb
Lulu P. Brockley, Galesburg
Charles Brokaw, Colchester
Gerald L. Browne, Lake Worth, FL
David A. Brown, Galesburg
Earnest Brown, LaHarpe
Everett Brown, Macomb
J.R. Brown, Sr., Adair
Keith Brown, Abingdon
Lee Brown, Good Hope
Loren Brown, Monmouth
Verlyn Brown, Monmouth
Willard Brown, Berwick
Tom Brubaker, Macomb
John Brumett, Macomb
Thomas Brydon, Macomb
Gerald Buckman, Good Hope
H.F. Burford, Galesburg
Chester Burgett, Ray
Bailey Burnham, Macomb
Larry Burrows, Macomb
Rozella Bush, Colchester
Kenneth Bushnell, Galesburg
Eldon Buskirk, Roseville
Jody Buster, Good Hope
V.C. Bybee, Galesburg
John E. Byerly, Jr., Galesburg
Marguerite Byland, Colchester
Donald Caldwell, Stronghurst
Glee Calhoun, Adair
Charles Cameron, Roseville
Robert G. Campbell, Macomb
Keith B. Capron, Kirkwood
Leon Krieg Carmack, Colchester
Leroy Carnes, Media
Harold Carr Estate, Roseville
Verle L. Carpenter, Good Hope
Dave Carrier, Macomb
Maurice Cameron, Macomb
James D. Cawthon, Galesburg
John Cleeland, Kankakee
Dean Chipman, Pittsfield
Warren Carton, Macomb
Larry Carley, Macomb
Lloyd Carnes, Macomb
Lewis Carnes, Blandinsville
Walter Carlson, Monmouth
James A. Cashmeyer, Table Grove
James Castens, Macomb
Butler or Calabresa, Macomb
Junia Champion, Macomb
Clark Brothers, Inc., Macomb
James E. Clark, Macomb
William Clark, Blandinsville
Loyd Clawson, Industry
J.R. Clark, Good Hope
Maurine Clemens K., Industry
Glenn Clevenger, Henry
R.J. Chiorgno, Good Hope
Glen Chockley, Industry
Gladys Chockley, Rushville
F.W. Christian, Greenville

Jesse Clark, Colchester
William Clark, Colchester
Lynn Christy, Keithsburg
William Chestnutt, Littleton
Lloyd M. Clark, Cameron
William Cordell, Carthage
Lowell W. Cornwell, Colchester
Minnie Cooley, Bushnell
Helen Cooper, Colchester
Carl Cook, Colchester
John Coulter, Colchester
R.M. Covington, Colchester
Cleo Conrad, Galesburg
Ronnie Cobb, Macomb
Ernest L. Cook, Abingdon
John H. Conlin, Decatur
C.B. Cole, Abingdon
Raymond Cook, Vermont
H.D. Cookson, Roseville
Jack Conrad, Monmouth
James Connor, Macomb
Leo A. Craig, Smithshire
Gene Crandall, Monmouth
Gary Creasy, Colchester
George D. Cross, Adair
William Cromer, Avon
William R. Crider, Avon
Richard Cramer, Macomb
Melvin Crayton, Galesburg
Samual Crone, Colchester
Richard Crone, Macomb
David C. Crain, Roseville
E.D. Crawford, Peoria
John Crouch, Macomb
Earl Craig, Macomb
Boyd Curtis, St. Augustine
Custom Farm Service Inc., Decatur
Michael Daniels, Industry
Desso Danielson, Macomb
James Danner, Plymouth
Stephen Darmer, Abingdon
Albert L. Davis, Macomb
Russell Davis, Cuba
Kenneth Day, Berwick
Ruby Dean, Adair
Lois DeGarmo, Industry
George Dieke, Blandinsville
Martha Denault, Plymouth
C.O. Denisar, Cameron
Harry Denisar, Galesburg
Barnard Depoy, Macomb
Lee Depoy, Colchester
Doroty Derry M., Macomb
George Derry, Macomb
Roland E. Derry, Colchester
Gerald Dewitt, Good Hope
Steve Dillinger, Macomb
Lonnie Dobbins, Tennessee
Glen Dopler, Monmouth
Delmar Dorethy, Macomb
Ed Dorethy, Macomb
Irene Dorethy, Macomb
Harley Dorethy, Monmouth
Ned Doster, Macomb
Zenas Dowell, Roseville
Robert Dryer, Macomb
Joseph Duckwiler, Adair
Mary Duggar, Macomb
Mary J. Dunbar, Roseville
Howard Duncan, Roseville
J.R. Dupuy, Knoxville

John W. Eakle, Macomb
Ralph Eckman, Abingdon
Clarence Eddington, Smithshire
Dale Eddington, Lincoln
Harry Eddington, Colchester
Justin Eden, Macomb
Jack Egaw, St. Augustine
Burrel Ehrhart, Lynn Center
Robert Elander, St. Augustine
Robert Elander, St. Augustine
Harriet T. Elliott, Monmouth
James L. Ellis, Good Hope
A.E. Elser, Pittsburgh, PA
Ivan English, Adair
R.R. Epple, Macomb
Lee R. Evans, Macomb
Phil E. Eshleman, Macomb
Thomas Fagan, Macomb
John S. Fawley, Macomb
Ernest Fields, Blandinsville
Paul Finley, Colchester
Donalds J. Fischer, Colchester
Larry Fisk, Macomb
Voley Fisher, Galesburg
Charles Flaherty, Monmouth
Ina M. Flood, Roseville
Lawrence Ford, Macomb
Harold Fordyce, Monmouth
David Fosdyck, Good Hope
Howard E. Fosdyck, Hillsdale
Joseph Fosdyck, Colchester
Richard Fosdyck, Macomb
Cash Foster, Knoxville
Clarence Foster, Rushville
Earl Foster, Industry
James H. Foster, Galesburg
Marcia Foster, Jacksonville
Nannie Foster, Concord
Robert L. Foster, Newhall, IA
Alta B. Foulk, Macomb
Richard Foulk, Colchester
Gearold Fowler, LaHarpe
Jennie Fowler, Birmingham
Lyman Fowler, Macomb
Harold Franklin, Macomb
Ralph Franklin, Colchester
D.L. Frakes, Macomb
Upton Frakes, Roseville
John Frecht, Mt. Sterling
Lawrence D. Freeman, Macomb
Elmer Friday, Macomb
Glenna Frisbie, College Station, TX
Dwight Fugate, Meadville, PA
Gale Fugate, Industry
Fred Fuhr, Macomb
Clarence Fulks, Littleton
Alvin M. Gabel, Macomb
Grace Gallaher, Colchester
Gary Gallahue, Macomb
Franklin Gardner, Macomb
John H. Garner, Jr., Galesburg
Emily Garrett, Carthage
James Gaskill, Roseville
Eugene Gentry, Smithshire
Joseph T. George, Colchester
R.D. Gibb, Pierre, SD
Floyd Gile, Macomb
Donald Gillfillan, Morrison
Ray Gillett, St. Augustine
Wayne E. Glisan, Abingdon
Jack Gordon, Bushnell

J.H. Gordon, Monmouth
Eugene Gowdy, Industry
Addie Granger, Roseville
Leroy Gray, Adair
Chester Greene, Macomb
Greene's Truck Stop, Colchester
H.M. Greenup, Tennessee
Velma Griffith, Colchester
Edward Grisham, Rushville
Nellie Grigsby, Blandinsville
J.D. Graham, Macomb
Walter Grenier, Macomb
David Graham, Adair
Mabel Greer, Macomb
Playford Griffith, Berwick
Marvin Grimm, Macomb
Keith J. Grown, Abingdon
Thomas Groutage, Good Hope
George Hager, Roseville
F.C. Haines, Colchester
Orie C. Haines, Macomb
R. Clair Haines, Blandinsville
Elton Hainline, Macomb
William Hale, Macomb
Nellie Hall, Prairie City
Ralph C. Hallbick, Abingdon
Stanley Halley, Monmouth
Floys B. Hamilton, Macomb
Donna Hammond, Berwick
Sara Hammond, Adair
Wallace Hammond, St. Augustine
Ed Haney, Cameron
Roger D. Hank, Monmouth
Winifred Hankins, Monmouth
Walter C. Hanks, Good Hope
J.L. Hardin, Macomb
David Harn, Colchester
Leo Harn, Good Hope
Greg Harris, Marion, DH
Donald Hartley, Tennessee
James Hartley, Macomb
Wallace Hatfield, Table Grove
Thomas Haulk, Colchester
Gordon Havens, Cameron
Robert Hawthorne, Macomb
Roger J. Hayes, Macomb
Floyd L. Haynes, Monmouth
Rollin P. Haynes, Galesburg
Clyde Heaton, Industry
William Heitman, Macomb
Wayne E. Helle, Roseville
Donald Helms, Macomb
John Hendren, Table Grove
Doyle Hendrix, Ray
Judson Henninger, Avon
Gerry Henry, Gerlaw
Carl Hensley, Lomax
Earl Hensley, Macomb
James Hensley, Avon
Jesse Bell Hering, Bushnell
Robert Higgins, Colchester
Agnes M. Hilton, Macomb
Gesina Hinrichs, Macomb
Kenneth Hinshaw, Roseville
William Hodges, Macomb
Albert Hohenstein, Monmouth
Earl Hobbs, St. David
James Hochstatter, Stefford
Rolland Hofmeister, Blandinsville
Ray Hollister, Macomb
Joseph N. Hood, Macomb
Max L. Hopkins, Macomb
Charles Hopper, Macomb
Shorty D. Hopper, Bushnell
Bennie Hopping, Vermont
Earnest Hopping, Colchester
Rosella Hopping, Vermont
Michael Horacek, Industry
Howard D. Hornbaker, Avon
Chester Howard, St. Augustine

Caroline Hoy, Kirkwood
Hubert Huff, Macomb
James Huff, Macomb
Donald L. Hughbanks, Colchester
James E. Hughes, Roseville
W.W. Hughes, Macomb
Earl D. Hull, Monmouth
Joseph D. Hunter, Galesburg
Mitchell E. Huston, Macomb
Jerry Huston, Blandinsville
Kenneth Ingram, St. Augustine
Harry J. Irwin, Macomb
Leila Irwin, Rushville
Laraine Ischer, Monmouth
Clarence Ives, Macomb
Don Jackson, Macomb
Josephine Jagers, Cameron
Gary C. Jamison, Macomb
Kenneth Jarvis, Monmouth
Charles Johnson, Roseville
Emil E. Johnson, St. Augustine
Eugene Johnson, Monmouth
Kenneth Johnson, Colchester
L.L. Johnson, Abingdon
Lawrence Johnson, Macomb
Margaret Johnson, Industry
Mildred Johnson, Abingdon
Miles Johnson, Ransom
Richard Johnson, Cameron
Wm. Johnson M.D., Galesburg
Thomas D. Johnson, Abingdon
Zora M. Johnson, Vancouver, WA
Ralph Johnston, Avon
Richard Joles, Table Grove
Clifford Jones, Monmouth
Gales L. Jones, Colchester
Harry K. Jones, Monmouth
Robert E. Jones, Cameron
Ura Jones, Bushnell
Herman Juifls, Cameron
William Katzenburger, Smithshire
Connie Kellum, Macomb
Robert Kendall, Macomb
James Kelly, Macomb
Francis Kennedy, Galesburg
Frank Kennett, Colchester
Charles L. Keefauver, Galva
Edward Keith, Cameron
William L. Ketchum, Roseville
Roy Kemper, Industry
Robert W. Kennedy, Blandinsville
Freda Kettering, Galesburg
Lillian King, Macomb
Arthur Kirby, Berwick
Laurence Kipling, Colchester
Elzie Kirgan, Colchester
Clara Kinkaid, Monmouth
Marvin Klusman, Galesburg
Donald Knuckey, Macomb
Roy Knapp, Blandinsville
G.H. Kruse, Macomb
Louis Krall, Abingdon
William Krohn, Abingdon
Charles Kunkler, Macomb
Wayne Lambert, Rushville
Glenn R. Langley, Cuba
Donald Lang, Monmouth
R.B. Lantz, Tennessee
Robert A. Larson, Macomb
Jack E. Larson, Macomb
Ronald L. Lascelles, Mansfield, OH
Donald Lashbrook, Rushville
Leland Lasley, Cameron
Alonzo N. Lawrence, Berwick
J.G. Lawson, Macomb
Harry Lawyer, Macomb
Mary Lawyer, Vermont
Edith Leasman, Macomb
Walter Leasman, Plymouth
C.L. Leftridge, Industry

Gerald Leighty, Colchester
Ina Lewis, Colchester
David R. Lewis, Macomb
Edwin Lewis, Largo, FL
Lyle Lewis, Bloomington, IN
Ray Lewis, Galesburg
Jesse Likes, Macomb
Raymond Likes, Milan
Louise Lindsay, Bushnell
Chrystal Lincoln, Jacksonville
Cecil Line, Galesburg
John S. Line, Galesburg
Billy Linger, Macomb
Bob Livingston, Macomb
Richard Linze, Roseville
Francis Lockwood, Bushnell
Everett Loftus, Roseville
Frank Logan, Macomb
Earl E. Long, Macomb
James Long, Macomb
Frederick Longnecker, Macomb
Florine Loveless, Macomb
Wilson L. Lusk, Monmouth
Vernon Luster, Blandinsville
Ellis Luster, Macomb
James Lutsch, Macomb
William Lutz, Clifton Hill, MO
D.E. Lynch, Macomb
Glen Lyons, Roseville
A. Louise Lyons, Cameron
Terry L. Lyons, E. Moline
Linnie Lozier, Roseville
Mary McBrady, Sciota
George S. McBride, Good Hope
Ivan McClain, Bonita Springs, FL
Ronald E. McCoy, Macomb
W.E. McCoy, Cameron
J.B. McCullum, Tennessee
Sylvia McDaniel, Colchester
James F. McDonald, Tennessee
Clarence McFadden, Colchester
Leroy McGinness, Berwick
Edgar McGinnis, Lake Placid, FL
Frank McGrew, Good Hope
Bernard McKay, Shawnee, KS
Terry McKee, Fairborn, OH
William McKee, Roseville
Alice M. McKinley, St. Augustine
Floyd McKinley, Bushnell
Larry McKinley, Industry
Mary McKinley, Good Hope
Kathryn McKinzey, Macomb
Louise Danner McMillan, Ipava
Dick McNeil, Macomb
Floyd McNeil, Macomb
Richard McNeil, Macomb
Vernon McVey, Roseville
Daniel Maahs, Lodi, WI
James Madewell, Bushnell
Marshall Mahoney, Macomb
James Maple, Macomb
Ronald Marcuse, Kirkwood
Marion W. Markham,
Huntington Beach, CA
Hollis Marlow, Colchester
L.C. Martin, Colchester
Lloyd W. Martin, Macomb
Dennis Mason, Good Hope
Edna A. Mason, Colchester
Hazel Matheny, Avon
Roy F. Matthews, Galesburg
John J. Matson, Galesburg
Ellis R. Maul, Bushnell
Verlyn Mayall, Macomb
Boyd W. Mayes, Burlington, IA
Albert Mayo, Good Hope
Charles Meadows, Abingdon
Kent Mears, Colchester
Johnny Meetz, Silver Lake, KS
Norman Meier, Macomb

Bob Mercer, Plymouth
Glenn Mercar, Littleton
Robert Meyer, New York, NY
William Meyer, Macomb
James E. Michaels, Colchester
George Middleton, Peoria
John Miller, Abingdon
Leonard Miller, Abingdon
Mae B. Miller, Roseville
Jerry Mills, Galesburg
Blanche Miner, Industry
Betty Montgomery, Cameron
N.P. Moon, Macomb
D.R. Mooney, Cameron
Alta M. Moore, Littleton
William E. Morgan, Tennessee
Lester Morrison, Abingdon
W.S. Morris, Seminole, FL
S.J. Morrow, Plymouth
Ramon Mosley, Macomb
Wayne Moulton, Macomb
Richard Mufin, Colchester
John R. Mulvin, Colchester
Victor B. Munson, Avon
Stephen Murphy, Macomb
Leroy Murray, Colchester
Larry & Anita Myers
Tom Myers, Avon
Henry Narajowski, Galesburg
Glenn J. Nash, Macomb
Donald C. Neal, Cameron
Carl W. Nelson, Galesburg
Mabel Nell, Rushville
Leo G. Nelson, Galesburg
Edgar Neville, Abingdon
Lucille Neville, Abingdon
Leo M. Neville, Macomb
Roy Nelson, Bushnell
Rodney Nichols, Gladstone
Joe Nordstrom, Galesburg
Don Norton, Macomb
Dewayne Norville, Roseville
Olin & Swanson, Monmouth
Mabel Oliver, Galesburg
Robert C. Olson, Prairie City
Randolph Osborn, Macomb
Raymond Ostrander, Tennessee
Marvin Oyer, Avon
Ronald Packman, University City,
MD
Ferroll Parker, Plymouth
Rayburn Parker, Macomb
Calvin Paschall, Colchester
Danny Passini, Macomb
Dean R. Payne, Charleston
Russell Payne, Rushville
Whilliam H. Payne, Jr.,
Blandinsville
Arnold Percy, Abingdon
Paul Peeler, Macomb
Earl Pensinger, Tennessee
Leroy Penington, Roseville
Florence Perdue, Abingdon
Robert S. Perdue, Berwick
Charles Perry, Smithshire
Roger & Carol Perry, Roseville
Roger & Sandy Perry, Justice
William Perry, Galesburg
Charles Peterson, Macomb
Greg Peterson, Macomb
Stanley Peterson, Macomb
Virginia M. Peterson, Macomb
Ronald Petit, Macomb
T.R. Phelps, Roseville
Robert Phillips, Carthage
Larry Phillips, Macomb
C.R. Phillips, Blandinsville
Roy Pieper, Berwick
Vada Pilger, Vermont
Harry Piper, Monmouth

Ralsmon Pilcher, Cameron
 F.W. Pittenger, Bowen
 Bertha Poole, Abingdon
 Danny & Carol Porter, Table Grove
 Emma J. Potter, Macomb
 Ray Potter, Colchester
 Hugh F. Poulson, Monmouth
 Lee Poulson, Abingdon
 Charles Powell, Kiekwood
 Marshall R. Powell, Colchester
 Frances Powell, Abingdon
 Francis Prather, Sciota
 Eugene Pratt, Roseville
 Nicholas Priddy, Macomb
 Perry Price, Mission, TX
 Princeville Stone Co., Princeville
 Ross Provine, Macomb
 Jessie Pruitt, Colchester
 Henry G. Pugh, Adair
 James L. Pully, Colchester
 Dennis Purdum, Burlington, IA
 James Purdum, Good Hope
 Charles Quarelli, Macomb
 Harry Quertermous, Good Hope
 Draper Quesenberry, Stronghurst
 Faye Quigley, Colchester
 Harold Quincy, Plymouth
 Carl Ragain, Carman
 Larry L. Ragain, Good Hope
 Fred Ralston, Abingdon
 Robert Rand, Cuba
 Stephen Rand, Macomb
 Donald E. Ray, Monmouth
 Gordan Ray, Abingdon
 Richard Raymond, Moline
 Bob Rector, Macomb
 Frank Redenius, Colchester
 Russell Redenius, Littleton
 Donald Reese, Macomb
 Donald Reed, Stronghurst
 Erma Reed, Macomb
 Leslie Reed, LaHarpe
 Ralph Reed, Macomb
 Richard Reed, Galesburg
 Kendall Reeder, Mt. Sterling
 Richard Reno, Good Hope
 Verne Reynolds, Berwick
 Charles Richardson, Galesburg
 Chester Richardson, Galesburg
 Dennis Riddell, Macomb
 Aris Riden, Macomb
 Bessie Riden, Macomb
 Henry Riden, Mt. Sterling
 Catherine Richfield, Macomb
 Robert K. Riley, Galesburg
 Edwin Rimington, Adair
 Albert Rinker, Mountain Home, AR
 Donald Roark, Roseville
 Leah Roberson, Colchester
 Glen Roberts, Colchester
 Marcus Robinson, Frederick
 Mrs. I.M. Rosiere, Abingdon
 William Rosenthal, Bushnell
 Herbert Rosine, Hot Springs, AR
 Lena Rosen, Media
 Eslie Robinson, Macomb
 Chester W. Ross, Abingdon
 Chester W. Ross, Jr., Roseville
 Ray L. Ross, Ravenna, OH
 Robert Rosenberg, Galesburg
 Arnold R. Russell, Las Vegas, NV
 Lula K. Ruark, Moline
 Bobby Runkle, Ray

Gerald Runkle, Industry
 Basil Rutledge, Colchester
 Kenneth Ryan, Abingdon
 Lola Ryner, Bushnell
 Robert J. Ryner, Macomb
 George Sage, Roseville
 Karl V. Sanderholm, Roseville
 Albert Sanders, Cameron
 Sands Elevator, Swan Creek
 Kenneth L. Sargent Jr.,
 St. Augustine
 William Saulsberry, Normal
 Robert Schacke, Macomb
 John Schisler, Abingdon
 Alfred Schoenbein, Macomb
 James Schroder, Monmouth
 Michael Schulthes, Macomb
 Dean Seamster, Blandinsville
 Roy Sears, Macomb
 Susanna Sebree, Macomb
 Frances Seldon, Kissimmee, FL
 Gary Senesac, Washington
 Leslie Settles, Avon
 Ogden Seybold, Blandinsville
 Roy Shafer, Macomb
 Mrs. Caroline Shaner, Kirkwood
 Wallace Shanks, Colchester
 John Shallenberger, Colchester
 Ronnie Shawgo, Monmouth
 George W. Sheets, Macomb
 Milton O. Sheets, Littleton
 Evelyn Sherman, Colchester
 Roger Shinberger, Tennessee
 Nelson Shineberger, Galesburg
 A.E. Shipman, Colchester
 Robert Shoemaker, Macomb
 Roy Shoemaker, Dallas City
 Dale Shook, Good Hope
 Sirrel Shores, Lynn Center
 Jerry K. Shugart, Monmouth
 Wayne Shughart, Canton
 Verda M. Shumaker, Abingdon
 Harry Siebert, Macomb
 Wayne B. Silvey, Media
 Guy Simmons, Berwick
 Alta Simmons, Roseville
 Allene Simpson, Macomb
 Robert L. Sims, South Gate, CA
 Ruby Sipes, Macomb
 Charles Skees, Monmouth
 Hubert E. Skiles, Macomb
 Cliff Slayton, Avon
 Fred Sloan, Littleton
 Ted Slowinski, Indianapolis, IN
 C.J. Smith, Macomb
 Clinton Smith, Smithshire
 David R. Smith, Monmouth
 Doris Smith, Macomb
 H.B. Smith, Macomb
 Irvin A. Smith III, Buffalo Grove
 Jack Smith, Abingdon
 Maurice Smith, Macomb
 Oliver Smith, Colchester
 Perle Smith, Macomb
 Willis Smith, Abingdon
 Earl Snyder, Abingdon
 P.D. Sohn, Macomb
 Larry Sornberger, Roseville
 Giles Sorrells, Abingdon
 James J. Spencer, Macomb
 Melvin Sprague, Roseville
 Grant Spry, Good Hope
 Donald Spurgeon, Abingdon

Melba G. Stambaugh, Roseville
 Lois Stanberry, Monmouth
 Perry Standard, Good Hope
 Andrew J. Stevenson, Monmouth
 John Stevenson, Colchester
 Charles Stewart, Galesburg
 Lawrence Stice, Roseville
 Bert Stockwell, Berwick
 Mabel Stolp, Ray
 Geraldine L. Carr Stone, Moline
 Marie Stoneking, Tennessee
 Max Stoneking, Macomb
 Ruth M. Stone, Oak Lawn
 Irving T. Sutton, Greeley, CO
 Sweborg Construction Co.,
 Galesburg
 E. Swinntrowske, Plymouth
 Edgar M. Tabb, Berwick
 Marvin Tabb Estate, Berwick
 Robert Tabb, Abingdon
 Leroy Tallman, Galesburg
 Claude Taylor, Abingdon
 Elgin L. Taylor, Blandinsville
 Gary & Barbara Taylor, Adair
 Jason Taylor, Adair
 Raymond Taylor, Bushnell
 Ruth Teel, Colchester
 Walter W. Teel, Industry
 Erma Terpening, Galesburg
 Roy Tharp, Blandinsville
 Kenneth Thompson, Macomb
 Kenneth & S. Thompson, Macomb
 Leota M. Thompson, Bushnell
 Maurice Thompson, Adair
 Robt. & Sandra Thompson,
 Monmouth
 Cindy Thomas, Sullivan
 Virgil Thomas, Streator
 Estenna Thurman, Blandinsville
 Fred Thurman, Avon
 Ruth Bughman Torrance,
 West Point
 Edwin Tracy, Bushnell
 Earl Traver, Macomb
 John A. Trout, Plymouth
 Henry Trueba, Macomb
 James M. Tulin, Galesburg
 George E. Tucker, Springfield
 Charles Turley, Monhouth
 H.C. Turner, Monmouth
 Olive D. Tyson, Adair
 Ardie Underhill, Colchester
 Maurice Vanbebbber, Macomb
 Dale Vance, Colchester
 Roger Van Drew, Macomb
 Bonnie Van Skike, Texhoma, OK
 Ross Van Winkle, Industry
 Henry V. Vawter, Colchester
 Lawrence Venard, Dahinda
 Jordan Vogel, Peoria
 Burl Volkmar, Roseville
 Grant Von Behren, Macomb
 Elsie Voorhees, Bloomington
 Harold H. Vorhees, Macomb
 Benjamin L. Waddill, Carthage
 Benjamin L. Waddell, Augusta
 John E. Waddell, Carthage
 Phillip Waddell, Macomb
 Robert E. Waddell, Macomb
 Thomas B. Wade, Cameron
 Robert Wadham, Cameron
 Lawrence Waggoner, Macomb
 Brian Walker, Bushnell

Clara Walker, Macomb
 J.B. Walker, Blandinsville
 George Walters, Industry
 E.B. Walker, Cameron
 Reva Wardell, Havana
 Axel Waring, Monmouth
 Henry Warrington, Industry
 Fred C. Watkins, Littleton
 D. Gene Watson, Good Hope
 Roy E. Way, Tennessee
 Paul R. Wayland, Hanover
 Ame Waymack, Bushnell
 Fred W. Waymack, Colchester
 Jesse F. Webster Jr., Macomb
 Karen Wedge, Macomb
 George Welch, Colchester
 R.R. Welch, Macomb
 Gladys Wells, Macomb
 Luther Welty, Sciota
 Don Wenneker, Macomb
 Robert G. West, Galesburg
 Terry Wessels, Oneida
 West IL Hog Fredrs Assoc., Macomb
 West IL Outdoor Adv Inc., Bushnell
 Wayne Wetzel, Macomb
 Annie Whalen, Colchester
 Charles Wheeler, Lewiston
 Louis W. Wheeler, Canton
 Darlene Wheelchel, Winemar, IN
 Richard Whetsell, Abingdon
 Lloyd Whitaker, Colchester
 William Whitaker, Colchester
 Clyda White, Colchester
 Ralph B. White, Good Hope
 Audley Whitson, Waukegan
 Charles Wilcoxon, Monmouth
 Charles Wilcoxon, Knoxville
 John J. Wiley, Macomb
 Alvin Willey, Macomb
 Randall Willey, Macomb
 Ross Willey, Littleton
 Frances Williams, Blandinsville
 Greg Williams, Peoria
 Jess Williams, Abingdon
 Lee R. Williams, Roseville
 Mildred Williams, Macomb
 Mrs. Ross Williams, Moline
 Roy C. Williams, Colchester
 Walter L. Williams, Avon
 William Williams, Good Hope
 Bertha Williamson, Galesburg
 Jeffrey Wilner, Roseville
 F.E. Windish, Galesburg
 Hallie Wingfield, Monmouth
 A.R. Wolson, Macomb
 Cora B. Wilson, Macomb
 Edward P. Wilson, Galesburg
 Idell Wilson, Colchester
 Mathew Wilson, Roseville
 Marshall Wilson, Industry
 Roger L. Wilson, Colchester
 Eula Windsor, Roseville
 Lyle Worthington, Elmwood
 Terry Woodward, Macomb
 James Woody, Macomb
 Russell Wright, Macomb
 Jim Yaste, Tennessee
 Yetter Oil Co., Plymouth
 Patricia Young, Macomb
 Raymond Young, Macomb
 Zoborac Electric, Macomb
 Erika Zribi, Macomb



watts new

McDonough Power Cooperative Macomb, Illinois 61455

Third year for energy conservation grants

Grants of up to \$1,500 are again available for eligible electric cooperative members for their use in making qualified weatherization and other energy-related improvements to their residences. This marks the third and final year the "Rural Home Energy Grant Program" is being offered to members through the Illinois Department of Energy and Natural Resources and their local electric cooperative. Grant money totaling \$1.6 million are being allocated statewide for 1989-90.

Income guidelines

A grant of up to \$1,500 is available to any electric cooperative member whose household income is 80 percent or less than the cooperative service area's median income. This is a total grant, with no matching funds required by the applicant.

A matching grant of up to \$1,000 is available to members whose household income is 80 to 120 percent of the area's median income. This is a 50 percent matching grant, with the member paying 50 percent of the project's cost.

Members who have received the maximum grant amounts under the program in previous years are not eligible for any more grant monies.

Qualifying projects

This list of projects that are eligible for funding through the program has changed since last year. On some items, there is a dollar limit on the amount of funding allowed. In no case is the subsidy provided for more than the cost of

the work, or \$1,500.

- Insulation projects for walls, ceilings, attics, foundations, crawl-spaces, floors, basement walls or ceiling, water pipes, air ducts, underpinning, and mobile home undercarriage are eligible.

- New, energy, water heaters (must meet ASHRAE 90 Standards as required by Illinois law) are eligible.

- Replacement central air-conditioners with an SEER greater than 10.0 (or room air conditioners with an EER greater than 8.6) are eligible only for medical reasons. A medical doctor's certification is required.

- Heat pumps for heating or cooling with an SEER rating of greater than 8.6 are eligible.

- Furnace load management

systems and furnace efficiency modifications are eligible.

- Furnace flue modifications and electronic ignition systems are eligible.

- Furnaces with an AFUE rating of 90 or better are eligible. Under certain circumstances, and with prior approval for ENR, other heating systems with lower ratings may be eligible. Call ENR for details.

- Storm doors and thermal doors are eligible for a grant of up to \$150 maximum per entrance.

All projects must demonstrate a 10-year pay back to the member in energy savings.

For more information, contact the cooperative or the Illinois Department of Energy and Natural Resources at (217)785-2800.

**Happy Thanksgiving
to our members from
McDonough
Power Cooperative**

**Office closed
The Cooperative office
will be closed Thursday,
November 23, in obser-
vance of Thanksgiving.**

Planting plastic

Any day now, consumers will be able to toss their trash into biodegradable garbage bags made from corn products.

Large-scale manufacturing of corn-based plastic items such as milk jugs, plastic sheeting, grocery bags, and possibly even disposable diapers is right around the bend, says Steve Wentworth of Oreana, president of the National Corn Growers Association.

Scientists have recently found an inexpensive way to use cornstarch and oxidizing agents to make plastic that will break down when it comes in contact with soil and the elements. Eventually, manufacturers will be able to save up to 30 cents a pound in material costs alone by replacing polyethylene-based plastics with corn-based plastics, says Tim Draeger, a marketing development assistant for plastics education with the National Corn Growers.

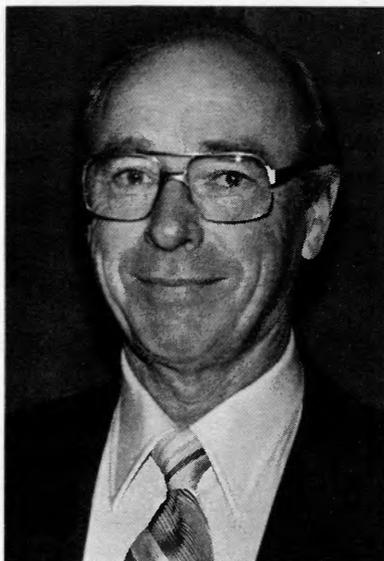
Compared to polyethylene-based plastics, which disintegrate in 200 to 400 years, the new biodegradable plastic can break down in fewer than 20 years, according to statistics released by the Corn Growers.

Not only will the new plastic be a boon for the environment, but it could also benefit farmers. "This market could possibly require between 150 and 300 million bushels of corn annually," says Draeger. That kind of demand could add a value of 20 cents a bushel, he says.

But consumers need to walk into their grocery store and ask for the products, Draeger says. "Mobil and other (chemical companies) say they are ready to provide the products if the demand is there."

The Future Farmers of America is selling corn-based garbage bags as a fundraising project.

Meet your directors



Blansett

Wade R. (Bob) Blansett

Wade R. (Bob) Blansett of 10 Lake Michael, Macomb, was elected director in September 1980 from District 1, which is composed of the west half of Scotland Township and east half of Chalmers Townships in McDonough County.

Bob served as secretary of

the board of directors from September 1984 to September 1987.

Bob and his wife, Donna, live in the Hidden Hills Subdivision in the southeast part of Macomb, a subdivision they developed a few years ago.

He has been a plumber for 40 years and established Bob's Plumbing and Heating in Macomb approximately 30 years ago. They are the parents of five children, Rebecca of South Carolina, Mike of Florida, Susan of Colorado, Carol of California, and Joseph of Houston, Texas, and are proud grandparents of three grandchildren, Amanda, Jason and Rob.

Bob is an active member of the First Christian Church in Macomb, currently serving as an elder.

He was raised and attended school in the Bardolph and Macomb area. At the recent annual meeting, Bob was re-elected as director from District 1 for another three years.



Davis

Lou Davis retires

Lou Davis, secretary to the manager at McDonough Power Cooperative for the last 28 years, retired October 20.

Lou plans to enjoy her retirement with her husband, Bob, who is retired from the Illinois State Patrol. Lou has been a very important part of the McDonough family and will be missed by the employees and the board of directors of McDonough Power, and we wish her many happy years of retirement.

DIRECTORS

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All Co-op Electric Outages 837-1400

(Continued from page 5)

the scene. "Most of the guys working here are smart enough to take care of themselves."

Albert "Sonny" Kirchner, journeyman lineman for Illinois Rural Electric Co., states that as an instructor he also learns a lot during the training school.

"We present some unusual classroom situations. Some things you don't do unless you have to. (In those cases) it's not the safe way but the only way." The school, he adds, is also a time to "renew some old friendships and make some new ones."

One who's made many friends at Hot Line School is George Klaus. He started out as a student in 1955 and for many years has been an instructor, though he retired from Illinois Rural Electric Co. in 1985.

One of the biggest changes Klaus has seen was

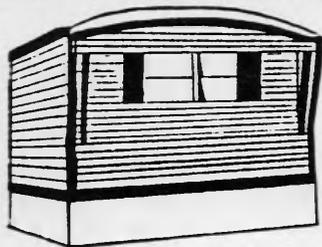
the introduction of hydraulic trucks in the 1950s. Prior to that, booms had to be assembled in pieces, then a winch cable would lift them. On hydraulic trucks, a pull on a lever raises crews and equipment up to the pole.

Klaus believes that Illinois Rural was the first cooperative to use rubber gloves on live wires. "The gloves give you total protection. You feel no electric charge. If your pliers get too close, you do get a little arc, though."

Students and instructors respect Klaus as the veteran. "George taught us all well," says Illinois Rural's Kirchner.

Why does Klaus accept the invitation to return year after year? "Just because I retired doesn't mean I'm not interested. I enjoy seeing the guys, seeing what new things are going on. If it hadn't been for some instructor down the line, I wouldn't have been here."

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Buying, selling or trading?

Then you need to look through the Illinois Marketplace advertising section beginning on page 22.



Programming services for the satellite dish owner

Hamilton County Telephone Co-op

Dahlgren, IL 62828
1-800-44RURAL 618-736-2211

Representing Clinton, Egyptian, Monroe County, Southeastern Illinois, Southern Illinois and Tri-County Electric Cooperatives

Edgar Electric Co-operative

RR 6, P.O. Box 190, Paris, IL 61944
1-800-635-4145 or 217-463-4145
Providing Descrambling Service To East-Central Illinois

Independent Telcom Associates, Louisville, Ill.

1-800-523-6573

Serving Customers In Clay And All Surrounding Counties.
(A subsidiary of Wabash Telephone Co-op)

Unlimited Visions Toll Free 1-800-824-5102

P.O. Box 96, Paxton, IL 60957
Unlimited Visions Is A Subsidiary Of Eastern Illini Electric Cooperative.
VC II Decoder Leasing Available

Corn Belt Electric Cooperative

1-800-322-6541
P.O. Box 816, Bloomington, IL 61702-0816
Something New From An Old Friend

Pay TV services are available through subscriptions. All programming is not available in every area.

Proposed legislation

(Continued from page 5)

mately \$38.8 million dollars. To retrofit Units 1, 2, 3 and 4 with nitrogen oxide controls, assuming that such control was commercially available, would cost on the order of \$6.3 million. The original capital cost of the control is not as worrisome as the resultant annual operating costs. The USEPA estimates that additional costs on the order of \$17 to \$18 million per year would be incurred by SIPC.

This translates to at least 10 percent increase to our consumer-owners and perhaps higher. We have projected that the cost per family in SEIEC's area would be \$204 per year on an average all electric member's bill or an increase of about 15 percent. It is important to keep in mind with this estimate, SIPC's present revenue of approximately \$38 million must be increased by \$17 million to \$55 million.

Our service area is an economically depressed region as identified and documented by the Southern Illinois Regional Planning and Development Commission to the Department of Commerce Economic Development Administration. The region has experienced alarmingly high unemployment rates since 1980. Presently, the service area unemployment rate is 15 percent and has been consistently above the national unemployment rate for many years.

The area has suffered a downfall from a two-product economy, mining and agriculture, which can be documented by per capita income and poverty level statistics for the region. The per capita income level for the service area is \$5,488, which translates into a 20 percent poverty level for the area. The standard of living indicators show the extreme economic deterioration and instability of the region's economy.

In the state of Illinois, less than 1 percent of the work force is employed in the mining industry. In our five-county region, 10,800 people, or 17.7 percent, are employed in the mining industry. Unemployment rates, per capita income and poverty statistics show the Southeastern Region economy is experiencing economic depression.

We believe that our members are aware of the various environmental issues and are perhaps more informed than most people in the nation. In addition to acid rain, our members are presently struggling over the wilderness issue. Within our service area lies a portion of the Shawnee National Forest. It is a beautiful area with an abundance of trees that is amenable to various forms of recreation, which must be balanced with the commercial development of the area, particularly lumbering. We do realize that making the area available for recreation does have a direct cost, particularly with the loss of revenues, real estate



Southern Illinois Power Co-operative's generating station south of Marion.

taxes, and potential industries that are prevented from developing in the area.

We would like to discuss the particular concerns that we have with some of the major bills that have been introduced. One major concern is the capacity usage cap, which limits older plants' actual annual hours of operation to an average based on 1985, 1986 and 1987. Our problem with this particular section is that in 1978 SIPC completed construction of a new generation unit, Marion Unit No. 4. Because of the availability of Marion Unit No. 4, during the 85, 86 and 87 period, SIPC operated Units 1, 2 and 3 at an approximate capacity factor of 29 percent. We expect as we experience load growth during the early and mid 1990s, we will need additional generation from Units 1, 2 and 3. To be limited to an artificially low usage factor would not seem to be in our consumer-owners' best interest.

SIPC also has utmost concern about the section 508 definition of the clean coal technologies. As we discussed earlier, SIPC is involved with Trans-Alta on a low nitrogen oxide/sulfur dioxide burner project and would like it to be included as a section 508 definition.

We are also quite concerned about cost-sharing provisions. Although we recognize that acid rain is a national problem, requiring a national solution, we would like to have some sort of credit for utilities that have already spent considerable amounts of money for pollution control.

In closing, our members would like to express their agreement with the goal of cleaner air, but, they are very concerned about the method that is being used to achieve it.



watts new

McDonough Power Cooperative Macomb, Illinois 61455

Keep the holidays safe

Lighting up

The sparkle of outdoor lighting adds warm glitter and fantasy to any home. However, a factor easily overlooked at this very busy time of the year is safety. This popular form of decorating requires caution. First of all and most important is to make sure all lighting and extension cords are rated for outdoor use.

Your lighting should be plugged into an outdoor receptacle. The National Electrical Code required

that all outdoor receptacles have a weatherproof outlet box, cover and a ground fault circuit interrupter (GFCI) to guard against electric shock.

You might also:

Make certain the lights and cords are approved by Underwriters Laboratories (UL).

Check for breaks or cuts in the wiring insulation. Throw away any strings with broken bulb holders, fault wiring or plugs.

Test the lights indoors before installing outdoors.

Make sure all cords are away from

"high traffic" areas such as sidewalks, driveways, or play areas for children. Similar precautions should also be followed inside your home. Defective lights on a live tree could produce the deciding spark that could leave your home in ashes.

Holiday goodies

Unlike any other time of the year, Christmas time always calls for special goodies from the kitchen. Electric appliances that are stored dormant in the back of the cabinet come out and are put into use during the holiday season.

To hold down on energy use, try to do all the cooking and baking at one time. Small appliances may be able to do a job more efficiently than a range or oven. Microwaves, slow-cookers and toaster ovens use less energy than their conventional counterparts.

A word of caution: Using several appliances can lead to overloaded circuits. Do not plug too many appliances into the same outlet. Overloaded circuits may lead not only to power failure, but to a fire as well.



Girl Scout Troop 303 from Logan School in Macomb, along with leader Pat Seaver, toured the Cooperative office. The girls were fulfilling requirements to earn their energy conservation badge. Literature with helpful hints for conserving energy were given to each scout. A short round table discussion with many interesting questions was held.

Office closed

The McDonough Power Cooperative office will be closed Monday, December 25, in observance of Christmas, and Monday, January 1, in observance of the New Year.



*Merry Christmas and Happy
New Year from
directors and employees
of
McDonough Power Cooperative*

Meet your directors



Thomas Curtis

Thomas Curtis of rural Monmouth was elected in September 1981 as director from District 9, which is composed of

Indian Point, Berwick, Cedar, Floyd, Galesburg, Cold Brook and Kelly townships.

He was elected president of the board of directors in September 1987 and is still serving in that capacity.

Tom resides on the same farm where he was born and raised. He and his wife, Joanne, have three children, two daughters who live in Monmouth area and one son in St. Louis, Missouri.

Tom and Joanne farm 400-450 acres, raising corn and beans.

He is a member of the Cameron Christian Church, Farm Bureau, trustee of the Silent Home Cemetery Association and previously clerk for Cold Brook Township.

Don't let fireplace cost you money

The warm, cheery glow from your fireplace on a chilly night this winter might be costing you more than you think.

A fireplace is a potential energy waster because as much as 30 percent of the conditioned air within the home may be lost up the chimney. When the fire is burning, not only the greater part of the heat generated by the fire itself is lost, but a lot of expensive heated air in your home is also being sucked up the chimney.

If you install or have a fireplace, it can become much more efficient if it is fitted with a tight-fitting damper and a glass front. To further increase efficiency, an outside air duct system could be installed to serve the fire, preventing any conditioned air inside the home from being used to keep the fire burning.

Here are a few tips concerning fireplace use:

- Don't use your fireplace for supplemental heating when your

usual heat is on unless you take one of the measures listed below to prevent or lessen heat loss.

- Be sure your fireplace duct is closed whenever the fire is not burning.

- When buying or installing a fireplace, make sure the fire is fed by an outside air inlet.

- All joints must be thoroughly caulked at intersections of walls with fireplace masonry, and wall

insulation must be extended to ceiling height around the fireplace (use caution to avoid fire hazard).

- Different woods have different heating values, as well as different starting, smoke and spark characteristics. Select wood that offers the best value for the price.

- Inspect and maintain your fireplace. Too much ash and soot reduce efficiency and may cause hazards.

Quality characteristics of commonly burned woods

Species	Easy to Split	Ease of Starting	Heavy Smoke	Sparks	Coaling Qualities
Apple	medium	poor	no	few	excellent
Ash	yes	fair	no	few	good
Beech	no	poor	no	few	good
Birch (white)	yes	good	no	moderate	good
Cherry	yes	poor	no	few	excellent
Cedar	yes	excellent	yes	many	poor
Elm	no	fair	medium	very few	good
Hemlock	yes	good	medium	many	poor
Hickory	yes	fair	no	moderate	excellent
Locusts (black)	no	poor	no	very few	excellent
Maple (sugar)	yes	poor	no	few	excellent
Oak (red)	yes	poor	no	few	excellent
Pine (white)	yes	excellent	medium	moderate	poor
Spruce (Norway)	no	good	yes	moderate	poor
Willow	yes	fair	no	few	poor

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Howard Butler • Lyndall Pigg • Stan Prox • Jerry Riggins • John D. McMillan, Attorney

All Co-op Electric Outages 837-1400

KNIT OR CROCHET



5121: Knit or crochet legwarmers in two colors of soft mohair-type acrylic to match your favorite outfits. Easy, cozy fashion accessory. Directions, charts included.

OFFER GOOD THROUGH MAR. 31, 1990



COUNTRY CRITTERS



5122: Create cute, colorful dog and cat spare roll covers. Easily styled to match any decor. Perfect gift or bazaar items. Printed pattern, directions included.

OFFER GOOD THROUGH APR. 30, 1990



5651: Simply charming. Dress options: sleeveless or short sleeves, collar or collarless and with or without flounce. Sizes 2,3,4,5,6,7 and 8 years included in pattern.

OFFER GOOD THROUGH APR. 30, 1990

Adorable Dolls



5118: Adorable early American doll creates the ideal home accent or gift for a special girl. Directions, printed pattern for 21" doll and eight piece wardrobe included.

OFFER GOOD THROUGH APR. 30, 1990

DESIGNER PATTERNS



Pure femininity, a soft gentle curve. Stylish choices: dress or tunic, full and slim skirts and tie! Designer Pattern 5648 is available in Misses' Sizes 10 to 24. State NN(10-12-14-16) or WW(16-20-22-24) when ordering.

OFFER GOOD THRU MAR. 31, 1990



5615: The all-enveloping grace of a cocoon jacket covers a simple shell and partially elasticized skirt. Misses' Sizes 10 to 20. State N(10-12-14) or U(16-18-20) when ordering.

OFFER GOOD THROUGH MAR. 31, 1990



5647: Retire gracefully. Leisure value: housecoat, long robe and bed jacket. Misses' Sizes. State MD(14-16), LG(18-20) or XL(22-24) when ordering.

OFFER GOOD THROUGH MAR. 31, 1990



5646: Perfectly proportioned for Half Sizes. Figure flattering dress has an easy fit waist and comes in three sleeve lengths. Half Sizes. State A(14½ to 24½ included) when ordering.

OFFER GOOD THROUGH MAR. 31, 1990

Cozy Crochet



5061: Traditional granny square design crochets quickly into cozy afghan, pillow and slippers. Use lightweight mohair type yarn for pillow and 46" x 64" afghan. For slippers use worsted weight.

OFFER GOOD THROUGH APR. 30, 1990



5652: Nothing's better for the figure than soft, easy lines. Stylish choices: dress or tunic and pull-on skirt. Misses' Sizes. State NN(10-12-14-16) or UU(16-18-20-22) when ordering.

OFFER GOOD THROUGH APR. 30, 1990



Home Decorating

5120: Express your individuality in home decorating! Curtain package includes charts, yardage formulas and styling tips for drapes, cornice, swag and jabot. Simple directions.

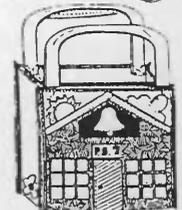
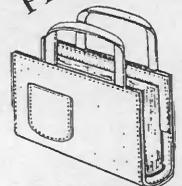
OFFER GOOD THROUGH MAR. 31, 1990



5557: Sophisticated styling in two pieces. Easy to sew pullover top and trumpet skirt look great together or separately. Misses' Sizes 8 to 18 are included in pattern.

OFFER GOOD THROUGH MAR. 31, 1990

TOTE-ALLY PREPARED



6022: Make a tote to suit every occasion. This Workshop tells how to whip up ten different kinds.

OFFER GOOD THROUGH MAR. 31, 1990

PATTERNS

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

I have enclosed \$ _____ (\$4.00 per pattern — cash, check or money order accepted) for the following patterns (please allow four weeks for delivery):

Print Name _____	Pattern No. _____	Size _____	Pattern No. _____	Size _____
Address _____				
City _____				
State _____	Zip _____			