

Henry C. (Hank) Spies knows insulation. Spies, of the University of Illinois Small Homes Council, is recognized as an authority on home insulation and the related topic of vapor barriers.

Speaking in December to Illinois electric cooperative personnel responsible for member service and power use functions, Spies said, "Just about anything people can put between walls will provide some form of insulation and probably has. What insulation is supposed

made of products like limestone or mill slag that have been melted and forced through tiny nozzles to make fine strands that allow for a lot of small air spaces. They all do a good job and they're fairly cheap, at about 1.5 cents per square foot for each "R" of insulation value." R value describes a material's resistance to passage of heat. All else being equal, the higher the R value, the better the insulation.

Urethane foam is difficult to justify as interior insulation because it gives off a poisonous gas as it burns and behaves "a lot like napalm," he said.

"Ureaformaldehyde, if formulated properly, is not a bad product," he said, adding, "the blue foam boards made of polyisocyanurates and covered with foil are good too. They get a lot of their insulating value from the freon gas that's trapped in the tiny spaces as they're formulated, and as the gas gradually escapes, it's displaced by air and loses some of its value. That's why it's covered with foil." The foams generally cost more per unit of R value than the wools, he pointed out.

Cellulose insulation had a bad name for a while, he noted, but is usually a good product and is reasonably priced. "It became popular in the early 1970s," he said, "just as the Arabs were making their point with the oil embargo, and there was an insulation shortage. Suddenly, anybody who could buy a 100-horsepower hammermill was a producer, and that created some problems. Since cellulose is nothing more than finely ground newspaper, they needed to add something to make it flame-resistant.

"Boric acid was the most common fire-retardant chemical, and it got to be hard to find, too, so some manufacturers started using ammonium sulfate. It draws moisture so badly that it'll rust away any nails and steel fittings that are in the insulation," he warned.

There are insulations such as perlite and vermiculite used for special applications. "They're an expanded form of mica rock that's popped like popcorn," he said, "and they're usually used where you need insulation that you can pour and that will flow into nooks and crannies. They have a fairly low R value and are pretty expensive, but they'll do a pretty good job in some applications where others just won't work."

## Spies: Use proper insulation materials

to do is to slow down the movement of warm air toward cold. If you've been in this business very long and watched old houses come apart, you've probably been amazed at what people have used as insulation."

Crumpled-up newspapers were once common, he said, and so were cinders, at one time. Chopped corn cobs found their way into many a stud cavity, too, he noted. "You can imagine how popular they were with insects and rodents," Spies added.

While nearly anything will keep heat in, the best insulation are those that will do the job with minimal side effects, he stressed. "You want something that will do a good job of insulating, but that won't provide nutrition and a nesting area for insects, and that will resist flame spread. It should also permit a certain amount of moisture migration to prevent buildup."

Basically, he noted, there are several different kinds of "wool" insulation, such as rock wool, slag wool, fiberglass, and so on. "Essentially," he said, "they're



Spies (left) talks with Bob Westenhaver of Shelby Electric Cooperative.



## **manager's report**

by William C. Lemons

# **Watts n**

**IREN SUPPLEME**

### **Pendell retires after 41 years with McDonough Power Cooperative**

Robert E. Pendell, retired manager of your electric cooperative, closes out a 41-year career in rural electrification, all with McDonough Power Cooperative. He began work for McDonough Power in January 1947 as a groundman and later became a lineman.

He later worked as storeskeeper, work order clerk, assistant to the engineer, power use advisor, assistant manager and became manager January 1, 1975.

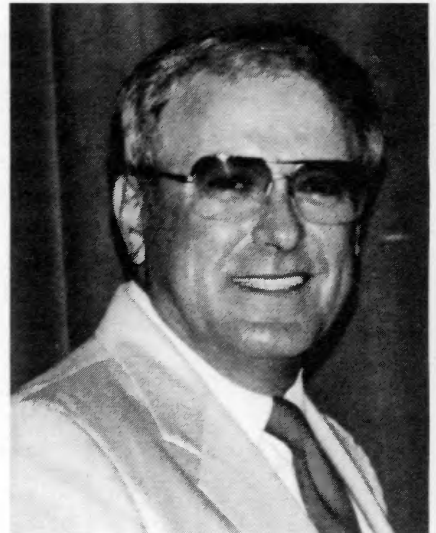
Pendell has served as president of

the Illinois Electric Cooperative Manager's Association, as well as on numerous committees as power use advisor. He has served on Soyland Power Cooperative board, United Utility Supply Cooperative board of directors and Macomb Area Industrial Development Corporation.

Bob and his wife, Virginia, are natives of Macomb and plan to travel, golf and spend time with their son, Tim, and his wife, Diann, in Michigan. It is their hope to avoid some of the cold weather of Illinois, wintering in warmer

climates. The board of directors and employees of McDonough Power Cooperative wish Bob and Virginia many years of happy retirement.

Bob will be missed at the Cooperative by board members, employees, and many members with whom he has made friends. After his many years of work, he justly deserves his well earned retirement.



**Pendell**

### **Colorado man succeeds Pendell as manager of McDonough Power**

William C. Lemons, assistant manager of Empire Electric Association in Cortez, Colorado, became manager of McDonough Power Cooperative, Macomb, December 23. He replaced Robert E. Pendell, who has retired after managing the cooperative since January 1, 1975. Lemons, 52, began work at your cooperative December 1. Pendell's official retirement date is February 2.

The new manager is a 1976 graduate of the University of Oklahoma with a bachelor of business administration degree with a major in management and minors in finance and marketing. He also attended El Reno (Oklahoma) Junior College and earned an associate degree in business in 1972. He began his college work at age 36 while working full-time for Oklahoma Gas and Electric Company in Oklahoma City and com-

pleted his work toward his degree at age 42. Lemons has been assistant manager for Empire Electric Association since 1977. Prior to working for Empire, Lemons was a lineman and dispatcher for Oklahoma Gas and Electric; superintendent of the Light and Power System of Wrangell, Alaska; diesel mechanic, lineman and line superintendent for San Miguel Power Association, Nucla, Colorado; an air conditioner installer in Oklahoma City and served in the U.S. Navy for four years. His wife, Maggie, is a registered nurse. They have four grown children, three in college, and two grandchildren.

An open house was held for Lemons on December 18 to meet business people in Macomb.

The board of directors and employees welcome Bill to the Cooperative and look forward to working with him.



**Lemons**

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

# Looking toward a good 1988

Your board of directors, manager, and employees of McDonough Power Cooperative want to take this opportunity to wish all of our members a happy and prosperous new year.

We want to thank the members for your wonderful cooperation shown during the past year and hope you will continue this kind of support in 1988. Articles on these two pages indicate that we are having changes at our cooperative, but we will continue to give our members the same continual, reliable service.

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 your power.

The 1988 annual work plan was approved by your board of directors at the December 22 board meeting. The financial future of the Cooperative is excellent. The operating budget has not increased for 1988; costs are being curtailed wherever possible. Current interest for the 1988 year is less than 1987, as is the principal payment.

In 1988, it is estimated there will be 275 poles changed. The poles are checked and treated by a professional firm each year, and replacements made where necessary. This, we hope, will prevent an outage for members in the middle of a busy time. The budget shows plans for a new substation, with plans to use transformers and regulators that are in the existing substation to help reduce the cost of the new station. There are two regulator installations and two

regulator relocations planned. There are plans for several sectionalizing additions.

One mile of 69-KV transmission will be built to provide a new 69-KV source. This will be of great help in emergency situations as well as the permanent feed for the Macomb substation.

In addition to these projects, we will have our usual member service extensions, increased service capacities, transformer changeouts and security light installations. We will continue to upgrade our system by replacing bad service wires as we see the need.

At the present time, the trend is a static growth pattern for your cooperative. However, farm and oil economics could make a significant change in this pattern.

For 1987 the average outage time per member decreased tremendously. This, of course, is uncontrollable. However, maintenance is done constantly to provide the best possible service to our members. There were no major storms during 1987. It is our hope this will be true for 1988.

Your new Cooperative manager, Bill Lemons, plans to continue to provide the same reliable service to our members.

**Weingartner**

## William Weingartner retires

William E. Weingartner retired from McDonough Power Cooperative December 4.

Bill served as storeskeeper for the cooperative for more than 14 years,

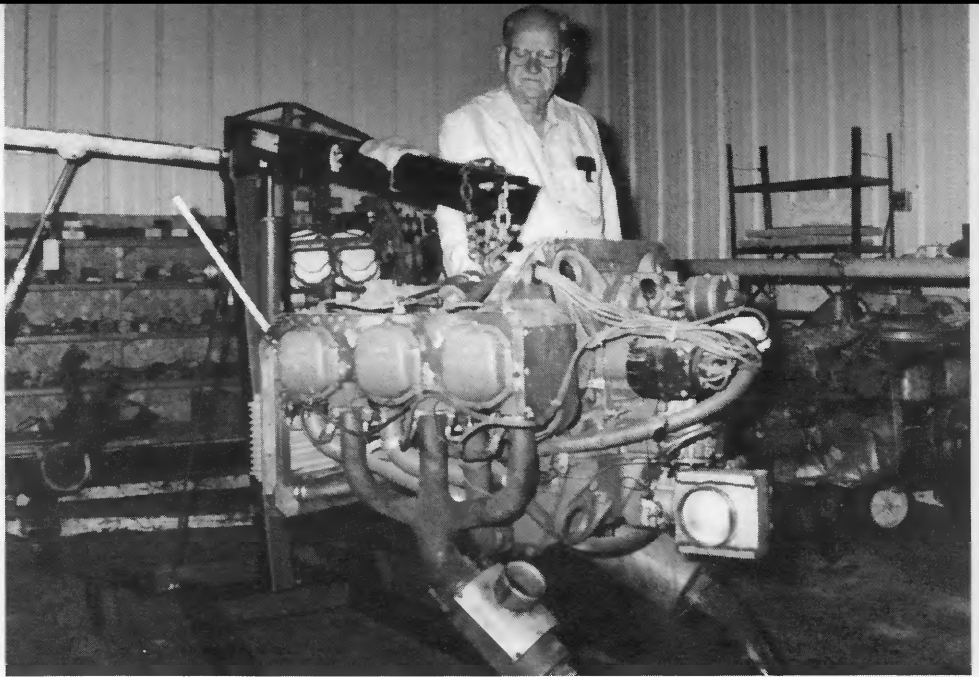
beginning employment in May of 1974. He was employed at the Cooperative for a number of years beginning in the late 40s, when there was much construction going on after World War II.

Bill is a native of Macomb and plans to travel and spend the winters in sunny Florida. Bill has two daughters, Mrs. Karen Justus of Macomb and Mrs. Cathy LaVinyon of Maywood, Missouri, and two grandsons.

Directors and employees wish Bill many happy retirement years.

Frank Fay of Macomb is learning the duties of the storeskeeper. He has been training him for some time. This job involves the testing of meters, dispatching, and ordering and maintaining inventory of all the line materials used by the Cooperative, as well as many other duties.

We hope Frank will enjoy his new work.



Lynn McElroy with a six-cylinder Lycoming

# Shuffling parts

By the time Shelbyville business man Lynn McElroy gets finished with a wrecked plane, he'll have found a use for everything but the roar of the engine.

McElroy, who has been salvaging airplanes for 30 years or so, used to operate out of a truck, using a telephone and several notepads and little else — except a good, solid knowledge of the aircraft salvage business.

When his son, Monte, graduated from college in 1971, Lynn suggested a partnership, and they set up permanently at the Shelbyville Airport. Before they knew it, the McElroys were flying all over the country. They'd buy a damaged plane — dealing mostly with insurance companies — truck it back to Shelbyville and pick its bones clean. "Everything's reusable," Lynn says, "and you're not really junking out airplanes, it's more like shuffling parts from one to another."

As expensive as airplanes are, you'd think that it would take a lot of damage to turn one into a total loss, but they're surprisingly vulnerable. Built almost completely of aluminum, an airplane can be totalled if a major structural member is twisted or bent just slightly.

"By far most of the planes we get are damaged on the ground, by weather,"

Lynn says, "like being flipped over in a windstorm. We have a nice little Cessna that was in a hangar. It only had 300 hours of flying time. A tornado came along and blew the hangar over, and part of it fell on the airplane's tail. We took it apart and sold the wings in Canada. The engine and cowls went to New Zealand, and the radios went to Argentina. And we still have parts left."

While weather damage is the undoing of most airplanes, Lynn notes that pilot error takes its share of aircraft off the rolls, too. "You can almost count on it when you go to pick up a plane that there will have been one of three things happen to it, if the weather didn't damage it," he says, adding, "the pilot has run out of runway while trying to take off, has landed short of the runway or has run out of gas. Obviously there are other reasons for damage to airplanes, but those are by far the most common."

The McElroys outgrew their facilities at the airport and recently moved to their present location just west of the airport on the north side of Route 16. The operation, served by Shelby Electric Cooperative, consists of two large hangar-like buildings. Ironically, it's not a lot different from Lynn's vest pocket "out of a truck" operation of years ago,



Monte McElroy



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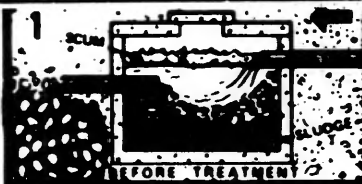
**HOW SEPTIPRO® WORKS TO SAVE YOUR DYING SYSTEM!** It goes to work immediately with 3 Safe Potent Enzymes and Bacteria supplement that works with your good bacteria to break down and digest fats, greases, starches, and all organic waste materials including paper and cotton fibers. It converts and liquefies all organic solid wastes. Cleans tank, pipes, and drainfields. Drainfields become porous allowing earth to absorb. The entire system opens and works from beginning to end.

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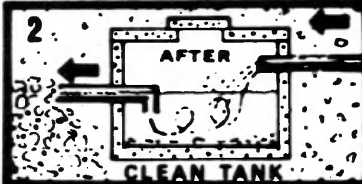
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## MISSING



ROXANNE HOPE REYES

LAST SEEN: 11/03/87 EYES: Brown  
FROM: Garland, TX HEIGHT: 3'  
DOB: 1/14/84 WEIGHT: 30  
WHITE FEMALE HAIR: Brown



JEANINE CAMILLE BARNWELL

LAST SEEN: 11/15/85 EYES: Brown  
FROM: Philadelphia, PA HEIGHT: 4'  
DOB: 12/03/81 WEIGHT: 55  
BLACK FEMALE HAIR: Black

If you can identify these or any other missing children, call The National Center for Missing and Exploited Children at:

**1-800-843-5678**

(sightings only)

This message is brought to you as a public service by Association of Illinois Electric Cooperatives, in cooperation with National Child Safety Council.

## -Safety Tip of the Month-

Choose a secret code word in case of an emergency. Your child should never go with anyone that does not know the code word.

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If you want to personally help end this national tragedy, or need additional information, please call:

**1-800-222-1464**



## manager's report

by William C. Lemons

# Watts n

IREN SUPPLEME

## High bill?

### Comparing bills isn't accurate

One question we commonly hear is, "Why is my bill higher than my neighbor's? They have the same appliances we have."

There are many reasons why one family may use more electricity than another, even though they have the same appliances. Here are a few:

A housewife, or more likely the children, may open the refrigerator twice as often as others. Each time the door opens, air rushes out and the motor must run more to replace it.

Electric ranges use electricity according to the type and number of meals prepared.

One family may keep its freezer full, while another may have very little food in it. An empty freezer runs more often than a full one.

No two families have the same amount of washing or ironing. One may wash once a week, while the other does its laundry every day. Every washing and ironing adds to an electric bill.

The amount of hot water used varies from family to family. One extra shower per day makes a big difference in electric bills over a month's time. Have your neighbors

turned their water heater down to 120 degrees while yours is 140 or above? If the floor plans of your home differ, how far is your water heater from the utility or bath compared to your neighbor?

Some families keep their home much warmer than others, and that takes more fuel. And the motor and fan runs more to keep it warm.

Each factor by itself may look insignificant, but add them together and it becomes obvious that no two families live alike and, therefore, no two electric bills will be the same. Your bill may be higher than one neighbor's but it may be lower than the neighbor on the other side of the road. You pay for what you use — no more and no less.

February 1988 bills could be higher due to your usage from early December into January. That would include Christmas, when we usually use more electricity, enjoyably. The severe cold weather in early January will have an effect too.

Stop a moment to consider your usage during the time your bill is for, as electricity is our silent servant. Electricity provides you much comfort long before you are billed.

### How much electricity do common appliances use?

Electricity is measured in kilowatt-hours, and you are charged based on the number of kilowatt-hours you use. To analyze your usage and determine how you can adjust your lifestyle to make better use of your "electric servant," note the following chart of home appliances.

Appliance	Monthly kwh*
Air conditioner (room)	1 kwh/hour
(central)	2.5-3.5 kwh/hour
Automatic blanket	15
Clothes dryer	5 kwh/load
Coffee maker	8
Dishwasher	30-48
Freezer, standard (23-25 cu.ft.)	100-190
Garbage disposal	2
Heater, portable	1.5 kwh/hour
Hair dryer	3
Iron (*hand)	12
Lighting (varies widely)	75-150
Microwave	16
Radio	4
Range	100-150
Refrigerator, standard (12'-16')	100-120
Refrigerator, frost free (16')	150-230
Television (Color, 4 hrs. per day)	30-40
Vacuum cleaner	3
Washing machine (automatic)	8
Water heater (standard) 400 (varies with family size)	

\*The average monthly kilowatt-hour consumption figures shown on this chart are based on normal use. Your electrical consumption may be higher or lower, depending on how you and other people in your home use the various appliances and equipment.

## Smoke detector law in effect

Public Act 85-0143, the "Smoke Detector Act," became law in the summer of 1987. Under the act, all existing homes and apartment buildings have until July 1, 1988, to comply with the new law. New or

substantially remodeled dwelling units are required to have detectors in place on the first day they are occupied, effective January 1, 1988.

Battery-operated or AC-powered smoke detector units are acceptable for existing structures. However, new or substantially remodeled units are required to have only detectors that are AC-powered.

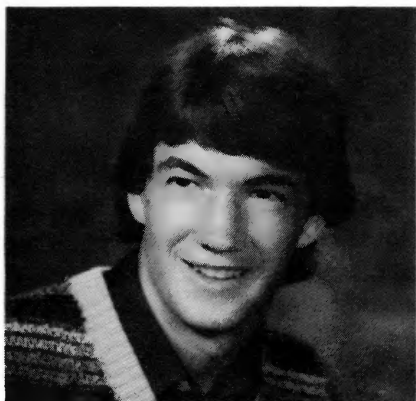
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# McDonough Power Cooperative

MACOMB, ILLINOIS 61455

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Lynn Hoffman

## New employee

Lynn Hoffman began employment with McDonough Power Cooperative January 4, as an apprentice lineman.

Lynn is a graduate of Northwestern Iowa Technical College at Sheldon, Iowa.

A former resident of Estherville, Iowa, he now lives in Macomb.

We all welcome Lynn to the McDonough Power Cooperative family and look forward to working with him.

## Board approves new work charge procedure

At the December 22, 1987, board meeting the board of directors approved the following change in charges to members. Following are excerpts from the operational procedure.

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

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.

## McDonough joins Gatekeeper and Crime Watch programs

McDonough Power Cooperative has joined several other Cooperatives in the state in special community programs.

One is the Gatekeeper program, designed to meet the special needs of the elderly in our area, especially those who live alone in the rural areas.

Gatekeeper, the new community service program, will benefit those senior citizens living in McDonough and Warren counties. The employees will be trained to look

for signs of senior citizens in need of assistance or some type of special care and alert the Illinois Department of Aging or the nearest office. The board of directors voted to participate in the Gatekeeper program, hoping that the employees can help those needing assistance and make the community aware of these special needs for our rural elderly citizens.

The board also adopted the IEC Crime Watch program. McDonough Power joins approx-

imately 17 other cooperatives in the state in keeping a "sharp eye out" for suspicious activities in the rural areas served by the Cooperative. The IEC Crime Watch is a community service offered by the cooperatives to assist in reducing the increasing number of crimes taking place in rural Illinois.

The employees do not become directly involved with the situation in either of these programs. They only report to the proper authorities what they think may be a problem or situation that should be checked.

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It normally lives 30-50 years. It is wind, disease, and insect resistant. And it can take the cold as far north as Canada. This is not the short-lived Lombardy poplar. This poplar is often used to reforest after forest fires, and to reclaim land after strip mining. But, the best use is to provide beauty and quick, cool shade for new homes.

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The screen variety makes an ideal privacy hedge. It has a width of about 10' and grows to a dense screen usually in 3 years. Plant for quick windbreaks on farms and for living snow fences. We ship strong, 2-4' trees POSTPAID.

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Now, in this special sale, you are able to purchase the ever-popular Colorado Blue Spruce (Picea pungens glauca) at one half our regular catalog price, these select, branched, 5-year old transplanted trees are not seedlings — they are at least 1 to 2 feet tall. Having been transplanted, the root system is well developed and will help the plants to get real value to your property. Buy now and have the added pleasure of shaping your tree just the way you want, while you watch it grow.

6 For \$9.65

9 For \$13.95

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## FSN'S TERRIFIC NEW PEP-START PILLS

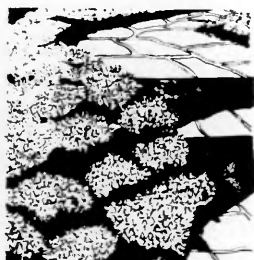
New - Safe, Easy-To-Use Pep Pills For Plants

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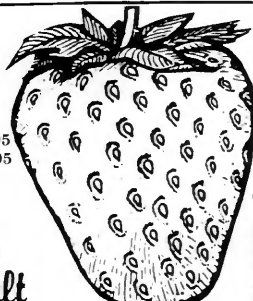
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When planted in April the Quinault produces July thru September - right up until frost. Treat yourself to a long Strawberry Season of huge, luscious-tasting Strawberries.



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SHADE SCREEN FREE TREE (indicate variety) ONE tree sent at no charge, when you send us ANY SIZE PAID ORDER below. DNE FREE TREE PER CUSTOMER ONLY, PLEASE

HOW MANY	CAT. NO.	DESCRIPTION	COST
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	N5247	SCREEN VARIETY HY. POPLAR TREE	
	N6172	5-YR. COL. BLUE SPRUCE	
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# 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.

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<b>\$5<sup>95</sup></b> Total 120 Plugs	<b>\$9<sup>95</sup></b> Total 130 Plugs Plus Plugger	<b>\$12<sup>95</sup></b> Total 360 Plugs	<b>\$16<sup>95</sup></b> Total 390 Plugs Plus Plugger
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<b>\$25<sup>95</sup></b> Total 780 Plugs Plus Plugger	<b>\$49<sup>95</sup></b> Total 1950 Plugs Plus Plugger	<b>\$69<sup>95</sup></b> Total 3900 Plugs Plus Plugger	

☐ Additional Plugger **\$6<sup>95</sup>** Md. residents add 5% sales tax.

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## manager's report

by William C. Lemons

# Watts n

IREN SUPPLEME

## Electric motors around farm and home need maintenance

Numerous electric motors can be found in the home and around the farmstead today. Just for fun, think for a few minutes and see how many you can list. Don't forget the motors in the clocks, can openers, refrigerators, freezers, hand drills, Sanders, vacuum cleaners, and all the motors connected with the grain drying operations.

Selecting the proper motor for the job and installing the necessary wiring and controls is of primary importance. Once a motor is installed and working properly, there is a tendency to forget it until a problem arises. By this time the motor may be damaged or completely ruined. With today's replacement and repair costs, proper operation and maintenance practices will pay large dividends.

Occasionally as a motor is running, look at, listen to and touch the motor to detect if trouble may be developing.

Touching a motor can alert a person to a major cause of motor failure — overheating. Overheating may develop because of low voltage, faulty equipment, frequent starting, dirt, inadequate lubrication and improper overload protection.

Voltages lower than 90 percent of name plate voltage of the motor will cause overheating and damage to the motor.

Dirt, dust and lint settle on the housing, windings, slip rings, and commutators each day. The dirt, dust and lint can work its way into the bearings of the motor and create friction. Any of these conditions will cause a motor to overheat.

It is essential that some loving care be used on the motor to help it out. Fight dirt by wiping motors off regularly with a clean rag. Occasionally blow dust out of motor windings with compressor air. Don't use more than 30 psi of pressure. A tire pump or vacuum cleaner will usually do fine. Make sure oil filler caps are closed securely and that dust seals and gaskets are in good condition.

Proper lubrication of an electric motor is essential to good performance and life. Bad or dry bearings place an extra load on the motor, causing it to operate at higher amperages as it tries to do the job. This, in turn, causes the motor to overheat.

Rusty or corroded moving parts, clogged condenser coils on refrigeration or air conditioning units (weeds or shrubs near the condenser coils will restrict air movement), the mismatch of equipment to motor — such as changing the blades on crop dryers or changing pulleys on equipment to increase speed, can cause the electric motor to use excessive current and overheat.

Improper over-current protection can result in motor failure. Many of the conditions already mentioned may cause proper overload protection to operate, sometimes referred to as "nuisance tripping." When this occurs the tendency, many times, is to install higher rated overprotection or eliminate it completely, rather than locating the source of the problem and correcting it. The motor has

been sending out a message by overheating and causing the thermal protection to shut off the motor. The motor may be equipped with an internal thermal protector that resets automatically or one that is manually reset. The thermal protector may be located in magnetic or manual starters. When the thermal protector, or heater coil, does trip out the motor, amperage should be measured as the first step in locating the source of the problem.

While lubrication is an important component of good motor maintenance, do not over lubricate. Some motors, especially fractional horsepower motors, can be ruined by over-oiling. Sleeve-type bearings in motors are designed to be oil lubricated. Ball bearings are lubricated with grease. Prelubricated and sealed bearings do not require additional lubrication. Hand-packed bearings should be disassembled and repacked as recommended. The motor should be running as the bearings are being greased. Care should be used to be sure the proper grease is used for lubricating the motor. It is essential to follow the manufacturer's recommendation on the type of grease to use.

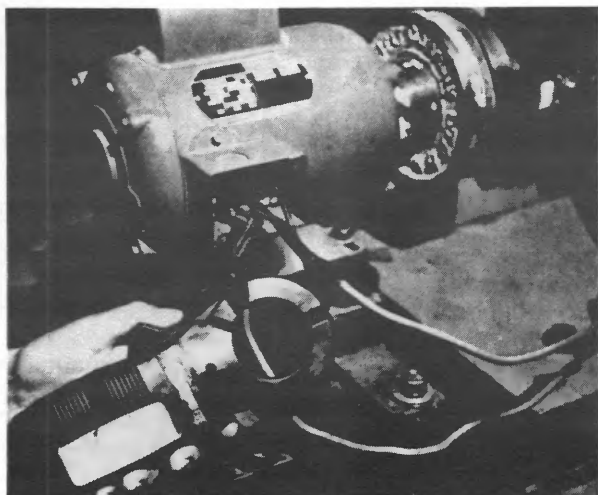
In summary, do not wait until it is time to use the motor, especially one that is used seasonally or is seldom used. Perform any maintenance checks on the motor early enough so repairs, cleaning and lubrication can be completed before the motor is needed.

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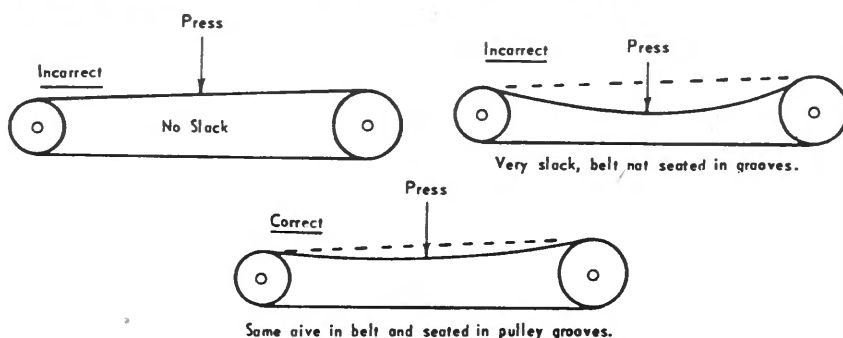
## McDonough Power Cooperative

MACOMB, ILLINOIS 61455

**All Co-op Electric Outages 837-1400**

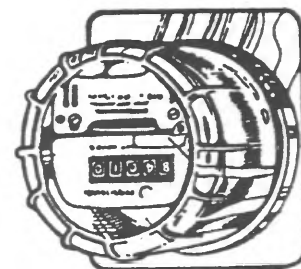
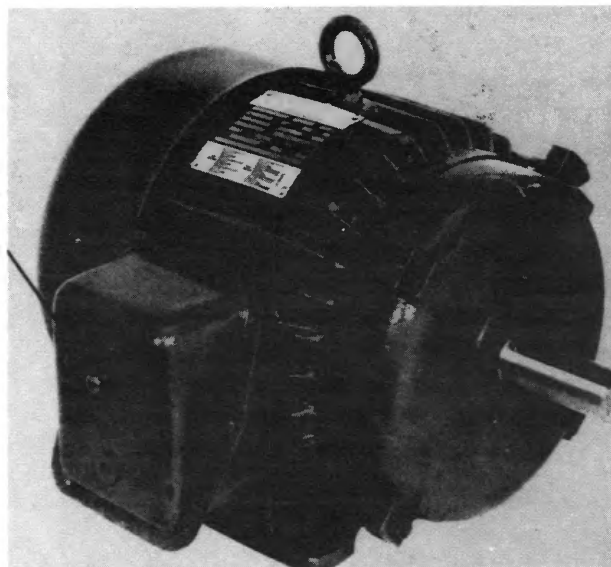


Owning and using a reliable volt-ammeter is recommended for all farm operators.



Proper belt tension must be maintained. If a belt is too loose, it will slip on the drive pulley, overheat and wear out quickly. If it is too tight, it will cause the belt and bearings to wear excessively.

A thermal overload switch built into the motor is an excellent method of protecting it from overload conditions. The arrow points to the reset button.



### The meter thief

The meter thief steals from his neighbors. Everyone agrees that stealing is wrong. But, when the victim of theft is a large corporation, often it seems to be a little less wrong.

Unfortunately, the consumer is the real victim of theft from any business. This is especially true of meter tampering and theft of electricity from your electric cooperative. When someone steals electricity, your electric cooperative is denied revenue that will have to be made up in the future through higher rates paid by all consumers.

Theft of electricity is a violation of Illinois state law. All utilities are prosecuting persons found tampering with their electric meters. In fairness to the thousands of other consumers who would otherwise have to make up the lost revenue, we have to do whatever we can to stop the few who would steal from their neighbors.

After all, as a cooperative, we are owned by those we serve.

### Office closed

The Cooperative office will be closed Good Friday, April 1, 1988. There is a night depository to the right of the front door for anyone wishing to make payment when the office is closed.

# Farmers Union goal: Save family farm

Despite the belief by some people that the farm crisis is over, the rural Midwest economic picture is still not a rosy one, speakers during the Farmers Union annual meeting agreed.

"Some say we're on our way to recovery, that we've reduced the farm debt, and that we've turned the corner," Harold Dodd, Farmers Union president, said at the meeting in February, "and we have reduced the farm debt, but that has been accomplished largely through foreclosure.

"People say we've increased our ag exports," he continued, "and we have increased the volume. But we had to reduce our prices so much that, in terms of dollars and cents, it has been of no help to us.

"The latest statistics for 1987 show that 2,500 farm families left the land every week of the year. The end result of this kind of exodus," he said, "will be a total restructuring of rural America as none of us has ever seen. We have past history to prove that for every six farmers who go out of business in any given community, one small-town business fails.

"When you multiply those numbers times the number of farmers the administration wants to weed out, you can see the magnitude of the problem. And when I say restructuring, I mean the loss of rural churches, rural villages and all those things we have prized through all the years."

While things are generally not going well for farmers, he said, there does seem to be some reason for cautious optimism. "We have been saying for years that our great University of Illinois should transfer at least some of its many research dollars into finding new uses and markets for our commodities instead of finding ways to increase production, and I believe that we have accomplished this. I understand that they've had quite a change in policy and are increasing their efforts to find new uses and new markets," he said.

In addition to Dodd, Illinois Attorney General Neil Hartigan, Congressman

Dick Durbin, State Senators Wm. L. O'Daniel and Penny Severns, and Larry Werries, director of the Illinois Department of Agriculture, addressed the meeting and agreed that the increased use of ethanol in motor fuel would help power a surge in corn prices and farm income, at little cost to consumers.

Dr. John R. Campbell, dean of the U of I College of Agriculture, said the



Dodd



Campbell

University had shifted some emphasis from some of its more traditional efforts to such things as finding different uses for the state's farm products and "engineering" new oilseeds to compete with imported palm and coconut oils.

Dodd also noted that many other groups — not involved in food production — have joined the effort to save the family farm. "We've been joined by church groups, working people, and others who share the values we cherish. They can see that they will be paying excessively for food when agriculture is dominated by a few conglomerates, so they're helping us — walking the halls of Congress to try to reverse the trend toward corporate agriculture," he said.

Cy Carpenter, outgoing president of the National Farmers Union, echoed Dodd's comments, and added that those who want to save the family farm have a long uphill fight on their hands. "An economic columnist wrote about farms in one of the weekly news magazines recently. She said that farms are not yet being packaged neatly as individual retirement account (IRA) investments, like apartment buildings are, but that it won't be long until they are." Carpenter vehemently denounced the concept and drew applause when he insisted that family farmers must join with others who "don't believe that bigger is always better, to save small farms, small towns and a way of life that formed the backbone of America since the country was founded."



The successful refinancing of its debt associated with the nuclear Clinton Power Station could save Western Illinois Power Cooperative (WIPCO) \$5 million a year, and its pending merger with Soyland Power Cooperative should

homes and businesses."

He reported that after attempts to refinance had been delayed, WIPCO finally received an opportunity to refinance nearly \$282 million of its debt to the Rural Electrification Administration (REA), and on February 22 money was transferred electronically from the National Rural Utilities Cooperative Finance Corporation (CFC) to the Rural Electrification Administration, he said. The lower interest rates could save members as much as \$5 million a year, he said.

Dean Searls of Camp Point, interim general manager, noted that the debt restructuring and merger effort had been a time-consuming and difficult task that had finally paid off well. "For the past two years," he said, "many trips have been made to Washington to confer with REA officials, and the effort bore fruit on February 22. When the debt restructuring is completed, the merger with Soyland should fall into place — an event I expected to happen 18 months ago."

Tom Eddy, a Washington, D.C.-based REA representative assigned to work on the debt restructuring effort, noted that there had been many long, hard negotiating sessions, but that they had begun to pay off with the successful refinancing of \$282 million of WIPCO debt. He said debt restructuring, which will sharply lower WIPCO's debt service cost, is close to agreement among all parties but will be contingent on the merger of the two generation and transmission cooperatives.

# **WIPCO**

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# **savings**

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provide rate stability for both co-ops.

In his report to co-op representatives during WIPCO's annual meeting March 8 in Jacksonville, Robert E. Gant of Winchester, board president, said, "I look back on 1987 as the year the Clinton plant went on line, an event I've been waiting 10 years to see.

"At our last annual meeting," he continued, "I reported to you that the plant had 'gone critical' just a few days earlier, and that event marked the beginning of a series of tests that have now ended with a fully operational plant. On April 24, 1987, the plant was synchronized with the power grid at the beginning of its 100-hour warranty run, and it provided full load capacity to the Soyland-WIPCO-Illinois Power pool, as it was intended to do. During that time, power was flowing from the plant to farms,

**A number of representatives of WIPCO member-systems attended the meeting including these directors of Illinois Rural Electric Co., from left, Ronald Myers of Grigsville, Alan Heaton of Murrayville, Merton Pond of Bluffs and Francis Toppmeyer of Golden Eagle.**





## manager's report

by William C. Lemons

# watts n

IREN SUPPLEME

## Cooperatives: People in Partnership

McDonough Power Cooperative, one of America's 1,000 consumer-owned rural electric systems, is proud to be among the larger family of cooperative organizations across the country. Some 40,000 cooperatives provide goods and services to more than 60 million Americans.

The work of America's rural electric systems serves as an example of what can be done under seemingly impossible conditions.

Fifty years ago fewer than 10 percent of America's rural families had electricity. Today, it's hard to find a place where electric power is not available. In the early days, providing electric power was more a matter of how dense an area was populated than how much the people needed the service. The conditions of the early 1930s might have lasted forever if neighbor hadn't joined with neighbor to organize and implement the rural electrification program.

Most cooperatives got their start in much the same way — identifying a need for people, not for profit. Today, they meet any number of needs including telephone service, housing, credit unions, furniture, food, health and day care and farm supplies. Like rural electric

cooperatives, many have grown and changed over the years to meet new needs of their membership. For example, since the early 1960s, rural electric system nationwide have helped start and expand tens of thousands of new commercial and community facility projects resulting in more than a million jobs.

Rural electric cooperatives are one of America's greatest success stories. The rural electric program not only benefits more than 25 million people in the nation's countryside, it's an accomplishment that in some way touches all United States citizens. Cooperatives are people in partnership.

Cooperatives work — for you.

### Plug it in . . .

*where you own  
more than  
just the outlet!*



### What to do when the power is off

Call 837-1400 — A cooperative representative is on call at all times to take outage calls. Have your location number when you call. This number is on the lower left hand corner of your billing stub.

Electricity isn't the only power received by the consumer-members of the electric cooperatives of Illinois. Unlike their neighbors served by investor-owned utilities, electric cooperative members own their electric system. All cooperative members have an equal vote . . . and equal voice in the operation of their organization. And all members gain equity in their cooperative, through capital credits which are assigned to all members on a patronage basis. Cooperative members really do have power . . . a unique kind of power. And they make it work when they participate in meetings, elect directors and help the leaders and employees of their organization. The electric cooperative way has been working for more than 50 years now!

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# McDonough Power Cooperative

MACOMB, ILLINOIS 61455

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## Safety rules for tornado season

**Shelter** — Seek inside shelter if possible. If in the open, move away from a tornado's path at a right angle. If there is no time to escape, lie flat in the nearest depression, such as a ditch or ravine.

**In office building** — The basement or an interior hallway on a lower floor is safest. Upper stories are unsafe. If there is no time to descend, a closet or small room with stout walls, or an inside hallway will give some protection against flying debris. Otherwise, under heavy furniture must do.

**In homes with basements** — Seek refuge near the basement wall in

the most sheltered and deepest below-ground part of the basement. Additional protection is afforded by taking cover under heavy furniture or a work bench. Other basement possibilities are the smallest room with stout walls, or under a stairway.

**In homes without basements** — Take cover in the smallest room with stout walls, or under heavy furniture, or a tipped-over upholstered couch or chair in the center part of the house. The first floor is safer than the second (or third). If there is time, open windows partly on the side away from the direction of the storm's

approach — but stay away from windows when the storm strikes.

**Mobile homes** — Mobile homes are particularly vulnerable to overturning and destruction during strong winds and should be abandoned in favor of a pre-selected shelter, or even a ditch in the open. Damage may be reduced by securing the trailer with cable anchored in concrete footing.

**Factories, auditoriums, and other large buildings** — These buildings with wide, free-span roofs should have preselected, marked shelter areas in their basements, smaller rooms, or nearby.

## Look Up and be safe!

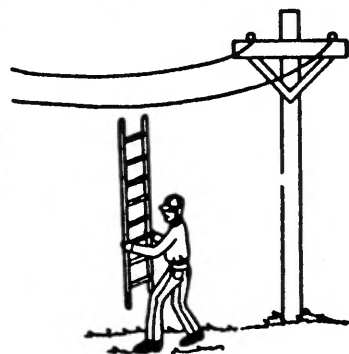
This time of year, with spring-like weather on the way, most people are outside enjoying the nice days . . . cleaning up, making home improvements, or getting into the fields.

Whatever takes you outdoors this spring, remember to look up and be safe! Overhead electric lines can be deadly!

If you're operating tall farm equipment, such as an auger, watch out for anything that might contact an overhead line.

If you're using a ladder to work on a roof, clean out the gutters or make spring repairs, be extremely careful near the power lines.

Your member-owned electric cooperative wants you to be safe around power lines. Electricity is a wonderful, often taken for granted, servant. Remember not to take those overhead lines for granted . . . they can be deadly!



# Winter's

For many people across central Illinois, it looked like March of 1978 all over again.

Just as the winter of 1987-88 seemed to be winding down without dishing out a great deal of trouble, an ice storm on March 3 brought back more than just memories of Easter weekend of 1978.

In an area stretching from the Mississippi River near St. Louis to the Indiana state line, a major weather system put a layer of ice across a dozen Central Illinois counties. The storm's 60-mile wide swath pushed over trees, broke off branches, downed utility poles and tangled electric lines, eventually depriving some 35,000 electric cooperative members of electricity. In some areas two inches of ice covered poles, lines and trees. The weight brought down hundreds of poles.

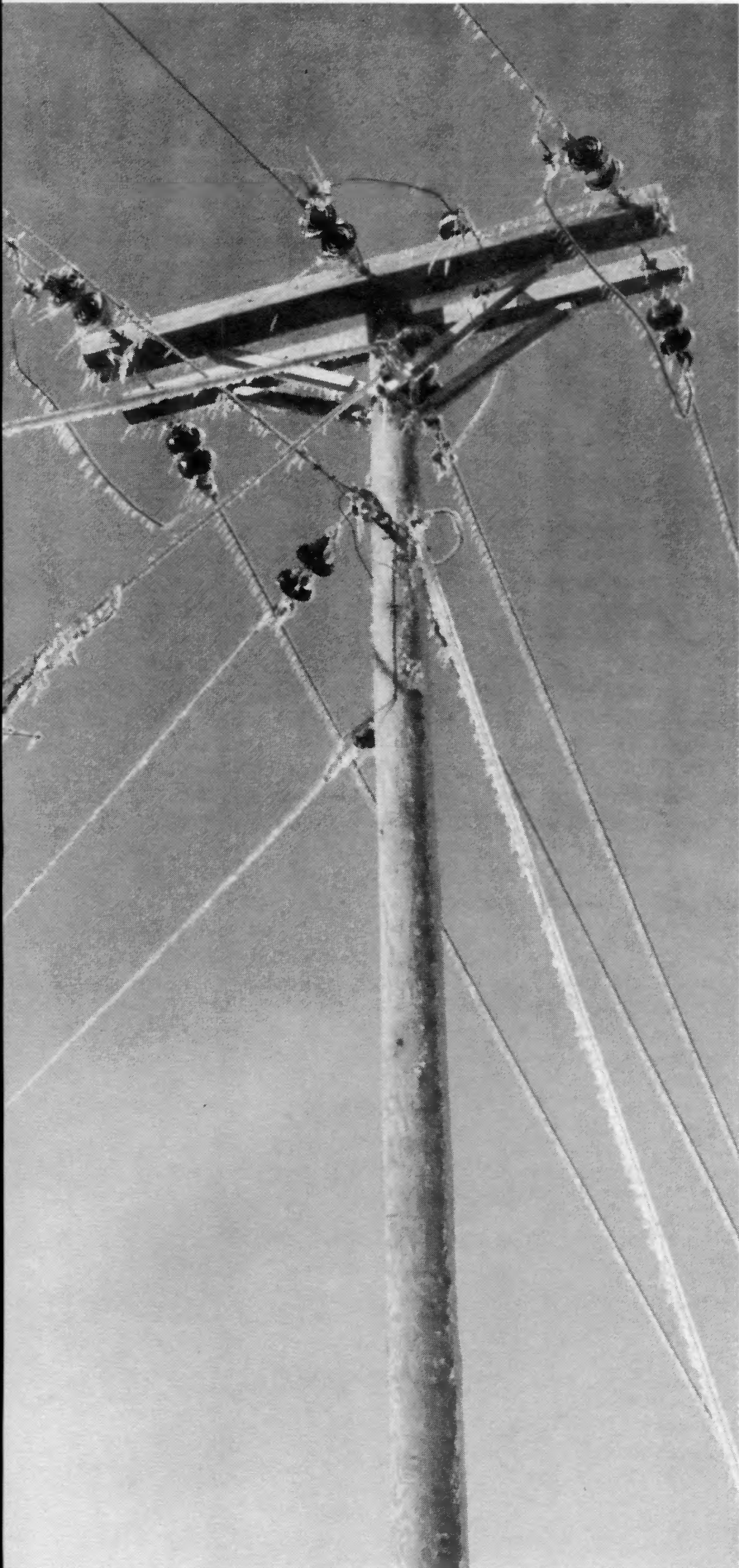
It was, in a way, a scaled-down version of the unforgettable Easter ice storm of 1978. Then again, it was different. It was every bit as vicious as the ice storm that virtually flattened parts of 24 counties almost exactly 10 years ago. It just wasn't as big.

There was another distinction, too. The 1978 storm steamrolled across the countryside, dragging warming spring weather behind it. The working conditions for repair crews weren't ideal in 1978, but they were generally much better than on March 3 this year.

After this ice storm came — and the power went — it started snowing and blowing. Much of the repair work had to be done in miserable conditions. Cold and snow were mixed with wind, which reduced visibility, added misery, and further tangled poles, lines and limbs.

As usual, the co-ops that did not suffer damage — this time — stood ready and willing to help those that bore the brunt of the storm. The Illinois Electric Cooperative Emergency Work Plan has been in place for many years and had been a big help in 1978. It is put into action in the event of an emergency and is coordinated by the Association of Illinois Electric Cooperatives (AIEC).

By mid-morning on Thursday, March 3, electric cooperatives hit by the storm



**Heavy ice coats everything.**



Soyland and WIPCO have combined their loads, Clinton ownership and other generation facilities to form the Soyland/WIPCO power pool.

"During the next few months we will be considering a merger between Soyland and WIPCO," Fellin said. A merger of the two organizations has been studied over the past year and would appear to benefit both organizations.

Williams said the proposed merger would mean significant savings for the 105,000 member-consumers served by the cooperatives that own Soyland and the 45,000 member-consumers served by WIPCO.

The proposed merger between Soyland and WIPCO must be approved by the 14 cooperatives that own Soyland and the seven distribution cooperatives that own WIPCO.

Williams said Soyland took a major step forward during 1987 when it launched Applied Energy Systems of Illinois, Inc. (AESI), a wholly owned subsidiary doing business as WaterFurnace of Illinois. WaterFurnace is a statewide distributor of ground-source heat pumps manufactured by WaterFurnace International of Fort Wayne, Indiana.

"AESI has far surpassed initial sales projections, selling 320 ground-source heat pumps to dealers throughout our service area in the first 12 months of operation," Fellin said. "Selling the heat pump is yet another way to assist member-consumers in making wise decisions regarding their heating and cooling needs."

Soyland is expanding its efforts in economic development, Williams said, as part of its commitment to participate in the movement to revitalize the rural Illinois economy. "We are proud that two new businesses have become cooperative consumers under Soyland's economic development rate in the past several months," Williams said, and prospects for additional commercial/industrial consumers in the near future are bright.

Marketing and economic development are two ways that Soyland can assist its members to better serve the needs of rural Illinois, he added. "We are not in the business to make a profit. We are in the business to provide reliable electric power at the lowest possible cost," he said.

During the official business meeting of Soyland members, officers for 1988 were elected. Fellin, manager of Monroe County Electric Co-Operative, Waterloo, was reelected president. Other officers are Kenneth Heinzmann, director of Clinton County Electric Cooperative, Breese, vice president; Jim E. Hinman, manager of Tri-County Electric Cooperative, Mt. Vernon, secretary-treasurer; and Lyndall Pigg, director of McDonough Power Cooperative, Macomb, assistant secretary.

Soyland is a not-for-profit corporation that supplies bulk electric power to its 14 member distribution cooperatives. The 14 systems that own Soyland are: 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 Valley Electric Cooperative, Princeton; McDonough Power Cooperative, Macomb; Monroe County Electric Co-Operative, Waterloo; Shelby Electric Electric Cooperative, Shelbyville; Southwestern Electric Cooperative, Greenville; Tri-County Electric Cooperative, Mt. Vernon and Wayne-White Counties Electric Cooperative, Fairfield.



**Above: Soyland manager E. H. Williams, left, introduces the featured speaker, Llewellyn King, owner and publisher of Energy Daily, an authoritative utility publication. Opposite page: Representatives of Soyland's 14 member-cooperatives turned out for the annual meeting.**



## manager's report

by William C. Lemons

# Watts no

IREN SUPPLEME

## Co-op safety record cited

A special message from manager  
William C. Lemons

For the third consecutive year McDonough Power Cooperative has accomplished something every electric cooperative wants to do. **Your electric cooperative completed its third straight year without an accident.**

During the recent Job Training and Safety Conference of Illinois electric cooperatives, McDonough was singled out for achieving such a record. Your cooperative received the "Outstanding Achievement Award" and a special traveling plaque that signifies the state's best safety record. Dick Dunsworth, McDonough Power operating superintendent, represented the cooperative at the conference and received the award for the cooperative. That plaque is on display at the cooperative headquarters.

In addition to earning the coveted traveling plaque, McDonough was among five electric cooperatives in the state that were cited for an accident-free year in 1987. Four other cooperatives were honored for having no lost-time accidents during 1987.

There is an important point to make regarding the distinction between the two awards given out at the conference. Both awards recognize outstanding effort by employees, and to attain a record of having no lost-time accidents is a tribute to the care of an organization's employees. For the McDonough employees to be cited for an accident-free year is an even greater tribute.

For McDonough Power Cooperative an accident-free year



Dick Dunsworth (left), operating superintendent, and William C. Lemons, manager, show off the safety plaque.

means that employees worked about 45,000 man-hours and traveled about 30,000 miles to perform their jobs without any sort of accident or mishap. The type of work that electric cooperatives must accomplish and the fact that much of the work is done at night and during adverse weather conditions makes this achievement even more significant.

The award McDonough Power received can be attributed to many people. At the top of the list are the employees of the cooperative. They not only perform their jobs with skill and dispatch, but they also perform a major service to the members by assuring a reliable supply of electric power virtually all of the time.

Your electric cooperative directors have had and continue to have a great deal to do with this honor, too. By providing leadership for the

cooperative, they establish policy that leads to success.

In addition, your former manager, Bob Pendell, himself a former lineman, placed safety of employees at the top of his list, and the three-year record of McDonough Power is a testimony to his ability to help make dangerous jobs safe jobs.

For cooperative members this outstanding safety record is meaningful in another way. Our worker's compensation and insurance costs are based to a large degree on the safety record. Accident-free years help hold down these costs.

There is considerable pride shared by your cooperative's employees, board and management. We hope the membership will share that pride. Your cooperative has had the advantage of outstanding employees over the years. Now it has the safest, too.

**DIRECTORS**

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

# McDonough Power Cooperative

MACOMB, ILLINOIS 61455

**All Co-op Electric Outages 837-1400**

## Nominating committee will meet June 30

Members of the 1988 nominating committee have been appointed by the McDonough Power Cooperative's board of directors. The committee will meet June 30 at 7 p.m. to nominate candidates for election to the board of directors at the 1988 annual meeting of members to be held September 1 at the Fellheimer Auditorium in Macomb.

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

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

## Cooperative providing authorities a helping hand

McDonough Power Cooperative's Crime Watch program, developed with assistance and cooperation between local law enforcement agencies and the Cooperative, is under way in parts of seven Western Illinois counties.

McDonough Power personnel using cooperative vehicles with two-way radios will work to help reduce rural crime by notifying local and state law authorities of suspicious events, crimes in progress, threatening weather conditions, accidents,

fires and other emergencies. All radio-equipped electric cooperative vehicles are clearly marked with specially designed "Crime Watch" decals easily seen by cooperative members and the public.

### Office closing

The McDonough Power Cooperative office will be closed Monday, May 30, for Memorial Day.

The Illinois Electric Cooperative Crime Watch program is endorsed by the Illinois Sheriff's Association, which helped Illinois electric cooperatives develop the program.

Cooperative personnel met April 18 with sheriffs and other law enforcement representatives from area counties. The officers answered questions and offered their suggestions about the program. The Crime Watch program is endorsed by sheriffs and other law enforcement personnel in the area.

# Spring variety

## BROCCOLI CASSEROLE

1/2 cup diced onion, sauted in oil  
1 cup rice  
1 pkg. chopped broccoli  
1 jar Cheese Whiz  
Jalapeno pepper  
1 can chicken soup or mushroom soup  
Mix and pour all in a casserole and cook at 350 degrees for 30 or 45 minutes.

## HERSHEY'S CHOCOLATE PIE

Beat 2 egg whites, 1 teaspoon vinegar, 1/4 teaspoon cinnamon and 1/4 teaspoon salt until stiff but not dry. Gradually add 1/2 cup sugar and beat until very stiff. Spread over bottom and sides of a 9-inch baked pie shell. Bake at 325 degrees for 15 to 18 minutes. Cool. Melt 6 oz. package of semi-sweet chocolate chips over hot water. Blend 2 egg yolks which have been beaten with 1/4 cup cold water. Stir until smooth. Spread 4 tablespoons of the mixture over cooled meringue. Chill the rest. Whip 1 cup whipping cream until stiff, add 1/4 cup sugar and 1/4 teaspoon cinnamon. Spread half of the mixture over the chocolate layer in pie shell. Fold chilled chocolate mix into remaining whipped cream. Spread over center of pie. Chill 4 hours before serving.

## FRIED PIES

1 (8 oz.) pkg. dried fruit  
2 cups all-purpose flour  
1 teaspoon salt  
2 1/2 teaspoons baking powder  
4 tablespoons shortening  
2 1/2 cup milk  
Deep HOT shortening  
Soak fruit in water to cover for several hours or overnight. Cook in same water until fruit is tender, stirring occasionally. Remove from heat; mash until smooth and add sugar to taste. Set aside to cool. Combine dry ingredients. Cut in shortening. Add milk and mix well. Put onto floured board and knead slightly. Roll as for pie crust. Cut circles; put fruit filling on one half the crust; fold other side over and crimp edges. Prick finished pies in 2 or 3 places. Fry in hot shortening until browned. Remove from heat and serve hot. Yield: 12 pies.

## BELGIAN MOCHA CAKE

1/2 cup sugar  
3 tablespoons water  
2 (1 oz.) squares unsweetened chocolate  
3/4 cup butter or margarine, softened  
2 cups sugar  
1 teaspoon vanilla extract  
4 eggs, separated  
2 1/4 cups cake flour  
1/2 teaspoon baking soda  
1/2 teaspoon salt  
1 cup milk  
1 teaspoon cream of tartar  
Mocha frosting (recipe follows)  
Chocolate curls or grated chocolate

Combine 1/2 cup sugar, water and chocolate in a heavy saucepan; cook over low heat, stirring until chocolate melts. Remove from heat; cool. Cream butter; gradually add sugar, beating well. Stir in vanilla. Add egg yolks, one at a time, beating well after each addition. Stir in chocolate mixture. Combine flour, soda, and salt; add to creamed mixture alternately with milk, beginning and ending with flour mixture. Mix well after each addition. Beat egg whites (at room temperature) until frothy; add cream of tartar, and beat until stiff peaks form. Fold into batter. Grease three 9-inch round cakepans; line with greased waxed paper, and dust with flour. Pour batter into prepared pans, and bake at 350 degrees for 25 to 30 minutes or until a wooden pick inserted in center comes out clean. Spread mocha frosting between layers and on top and sides of cake. Store in refrigerator, or the cake may be frozen. If desired, garnish with chocolate before serving. Yield: one 3-layer cake.

## Mocha Frosting:

1 cup butter, softened  
2 to 2 1/4 cups powdered sugar, divided  
1 tablespoon instant coffee powder  
3/4 teaspoon cocoa  
3/4 teaspoon hot water  
2 egg yolks  
1 to 1 1/2 tablespoons almond extract  
2 tablespoons rum  
Cream butter and 1 1/2 cups powdered sugar until light and fluffy. Combine coffee powder, cocoa and water; stir into creamed mixture. Add egg yolks; beat 5 minutes. Stir in almond extract and rum. Add enough of remaining sugar to make spreading consistency (frosting gets firm when chilled). Yield: enough for one 9-inch layer cake.

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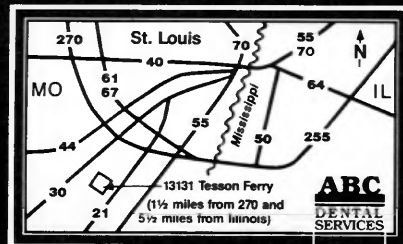
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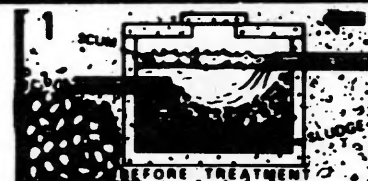
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## manager's report

by William C. Lemons

# Watts n

IREN SUPPLEMEN

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## McDonough Power Cooperative receives certificate of excellence from safety accreditation program

McDonough Power is the recipient of a Gold Seal Certificate of Excellence from the Rural Electric Safety Accreditation Program sponsored by the National Rural Electric Cooperative Association (NRECA), according to Bill Lemons, manager.

NRECA is the Washington, D.C.-based service organization that represents some 1,000 rural electric systems serving 25 million consumer-members in 46 states.

"In order to qualify for the accreditation program, a rural electric

system must undergo a safety audit conducted by outside observers who use a checklist of 160 items that have bearing on accident prevention and job performance," Lemons said. The results of the audit are submitted to the seven-member National Safety Accreditation Committee, which meets twice a year to review approximately 150 applications.

Four hundred nine of the 1,000 rural electric systems throughout the nation are currently accredited.

Lemons explained that the program was started in 1967 to establish effective self-policing of safety activities by rural electric systems, to set standards for reducing disabling injuries, to encourage on-the-job system training programs and to provide national recognition for all rural electric systems that achieve these goals. McDonough Power serves 4,600 consumer-members in McDonough, and Warren, Knox, Fulton, Hancock, Schuyler and Henderson counties.

**DIRECTORS**

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

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

## Patronage refunds

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

utility plant in order to pay actual patronage refunds.

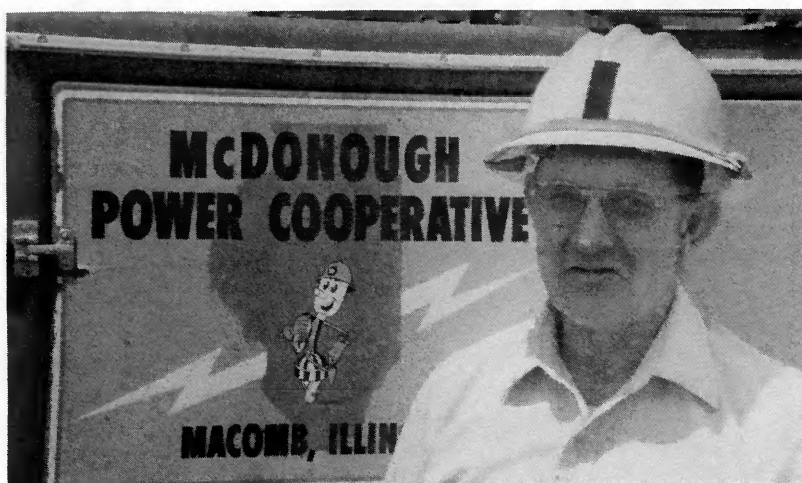
Patronage refunds have been paid to all members through the year of 1964.

The patronage refund factor for the year of 1987 is .03415 percent. This percentage factor is multiplied

times the amount of revenue you paid the cooperative for electricity during the year of 1987. This amount is assignable only on the books of the cooperative for the year. No actual payment would be made as the reserves do not meet the above mentioned percentages at this time.

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

## Your employees

**McEntire****M. Charlene Distefano**

Charlene is usually the first person a member comes in contact with at McDonough Power Cooperative, because she handles new service hook-ups. Her duties as records clerk also include setting up and maintaining accounts and computer data entry. Charlene and her husband, Jim, reside in Macomb. They have five children and three grandchildren. She is active at St. Paul's Church, Beta Sigma Phi sorority and BPO Deers. She

enjoys swimming, oil painting and reading.

**LaVern McEntire**

"Mac" is a journeyman lineman and has been employed at McDonough Power since April 7, 1949. As the northern area serviceman, Mac is responsible for the high quality service in that area. He and his wife, Nola, have two sons and live in Macomb. He has served two years with the 472nd Engineers Airborne Battalion of the U.S. Army, is a

**Distefano**

member of Masonic Lodge No. 17, Macomb Elks, American Legion Post 6, and Industry Methodist Church. Mac worked with Boy Scouts for 20 years and coached Little League seven years. His hobbies are reading, antiques, refinishing furniture and fishing.

Mention the term "sporting clays" to most people, and you're likely to get a blank stare in return. To an avid shotgunner, however, the term might call up visions of fast-moving targets flitting through dense brush, or seemingly slow-moving targets lazily settling in to land by decoys on a pond.

Sporting clays is probably the fastest-growing of the shooting sports, and Jim McCuan, a Southeastern Illinois Electric Cooperative member from Corinth, has a sporting clays range that's going great guns.

If you didn't know what to call the sport, you might think of it as "trap-shooting with realism," "cunning gunning" or "shotgun golf."

Jim calls his place Midwest Shooting

essentially started out decades ago as different ways for wingshooters to get off-season practice shooting at moving targets and gradually evolved into separate sports in their own right, Jim notes, but they offer little in the way of hunting realism. In trap and skeet, he notes, it's pretty well cut and dried as to where the shooter stands, where the target will come from and where it'll go. While it does involve shooting at a flying target, it's not particularly challenging, except in a match, where a hit or miss may make the difference between staying in competition or being eliminated, and shoots often turn into marathons.

An avid wingshooter, Jim feels that his course offers a more sporting pro-

# Shooting range tests hunt skills

Owner Jim McCuan says his shooting range is designed to duplicate actual field hunting conditions as closely as possible.



Sports, Ltd., and the sport involves shooting at clay targets in field conditions that are made as realistic as possible, keeping range safety in mind.

"Sporting clays is a new sport to the U.S.," McCuan notes, "but it's fairly old in England, where they've been at it for 70 years or so."

The sports of skeet and trapshooting

position than the other wingshooting sports.

"Here," he points out, "we shoot very much like you'll be shooting in the field. The shooter does stand at a station, but the trap boy is instructed to send the targets off in different ways, to provide much of the challenge you'd get if you were in the field and had flushed live game."

While escorting hunters through the walking course, Jim carries a clipboard with their scoresheets, and gunners "shoot for par," which calls for hitting 70 of the 100 targets that are thrown in the course of a round, which takes an hour or so. It calls for missing some targets, too. "Not everything that flies up is fair game," he says, "and we penalize shooters for hitting targets they shouldn't." Game wardens do that, too.

Jim notes that his realistic shooting range is the first in the Tri-State area, and one of only a handful in the country. He visited 16 other places before building his, and freely admits that he borrowed the best ideas he saw and adapted them to the rugged 440-plus acre site, which he is also developing as a hunting preserve and field-trial site for



to keep electric power rates as low as possible while providing reliable electric service."

The 14 member distribution cooperatives that make up the Soyland federation are: Clay Electric Cooperative, 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 Valley Electric Cooperative, Princeton; McDonough Power Cooperative, Macomb; Monroe County Electric Co-

Operative, Waterloo; Shelby Electric Cooperative, Shelbyville; Southwestern Electric Cooperative, Greenville; Tri-County Electric Cooperative, Mt. Vernon, and Wayne-White Counties Electric Cooperative, Fairfield.

The seven member distribution cooperatives that make up the WIPCO federation are: Adams Electrical Cooperative, Camp Point; Illinois Rural Electric Co., Winchester; Menard Electric Cooperative, Petersburg; M.J.M. Electric Cooperative, Carlinville; Rural Electric Convenience Cooperative Co., Auburn; Spoon River Electric Cooperative, Canton, and Western Illinois Electrical Coop., Carthage.

## GENERAL MANAGER

**Shelby Electric  
Cooperative**

**Shelbyville, Illinois**

Debt-free electric distribution cooperative in east-central Illinois seeks a well-rounded successor to veteran manager who is retiring.

Applicants should have a college degree and a broad background in electric distribution system management, skills in budgeting, financial planning, communications, leadership and the ability to work effectively with a seven-member board of directors. A personal commitment to the cooperative principle of not-for-profit operation is essential.

Attractive headquarters in a county seat community of 5,259 that borders a major recreation facility. Located in a prime agricultural area, the cooperative serves 8,440 meters over 2,056 miles of energized line with 39 employees, \$13.7 million utility plant and \$12.3 million annual revenue.

Send resume with salary history and references by October 1, 1988, to:

Neil E. Pistorius, President,  
Shelby Electric Cooperative  
c/o Association of Illinois  
Electric Cooperatives, P.O. Box  
3787, Springfield, Illinois 62708

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## manager's report

by William C. Lemons

# Watts n

IREN SUPPLEME

## Cooperation working together to keep the energy flowing

While the electric cooperatives of Illinois serve only about 5 percent of the consumers in the state, they maintain 40 percent of the pole miles of lines, much of it through the roughest back-country terrain Illinois has to offer.

All electric cooperative members know the importance of electricity on the farms and in the homes of rural Illinois. They understand the need to work with the employees of their electric cooperative to keep their energy distribution system in top condition.

A year-round task for cooperatives involves tree-trimming and brush-clearing, important tasks because brush and tree limbs that grow into power lines can cause energy losses and outages. Members can help their co-op to keep the power flowing by notifying the office about areas where trees and brush have overgrown into the lines. If a large tree near the power lines needs to be trimmed to cut, call the cooperative for help. Crews will be glad to help, and they might be able to present a costly power outage in the future.

Keeping the power flowing along the back roads of Illinois is a demanding job. But with cooperative and members working together, we are getting the job done.

### ENERGY SAVING TIP

#### Follow Instructions!

Use appliances the way they are meant to be used, and keep them in good condition with regular cleaning and maintenance.

## Delinquent notices

If you forget to pay your electric bill, you will receive a delinquent notice approximately the 20th of each month, and you have a few days in which to make payment before the Cooperative crews go out on collection.

Please read the notice carefully. You are advised of a date on which your service will be disconnected if your electric bill has not been paid, and this, as well as a collection trip, creates more charges for the member.

Call the Cooperative office and make arrangements to pay the

delinquent bill within a short period of time to save the expense of a collection trip.

Please do not ignore this delinquent notice! Your board of directors is becoming increasingly aware of the number of members who are late in paying their electric bills. The collection expenses that are incurred in pursuing members who have not paid their electric bills in a timely manner are share by everyone.

**THIS ONE NOTICE IS THE  
ONLY LATE NOTICE YOU  
WILL RECEIVE.**

## Average kilowatt-hour usage of c

Appliance	Average wattage
Air conditioner (room)	1000 (varies)
(central)	2500-3000 (varies)
Automatic blanket	200
Clock	4
Clothes dryer	4,350
Coffee maker	850
Dehumidifier (8 1/2 kwh per day if run continually)	300
Dishwasher	1190
Freezer, standard (12-15 cu. ft.)	350
Freezer, frost-free (12-15 cu. ft.)	440
Food mixer or blender	110
Heater, portable	1500
Hair dryer	1250
Lighting (varies widely)	1600-4000
Microwave	1450
Radio-stereo	40
Range	12000
Refrigerator, standard (12-16 cu. ft.)	265
Refrigerator, frost-free (16 cu. ft.)	475
Television (color, 4 hours per day)	250
Vacuum cleaner	700
Washing machine (automatic)	600
Water heater (standard)	2500 (varies w family siz
Water heater (super insulated)	4500 (varies w family siz
Waterbed heater (varies)	300
Water pump	750-1000 (varies w depth)

**DIRECTORS**

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

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

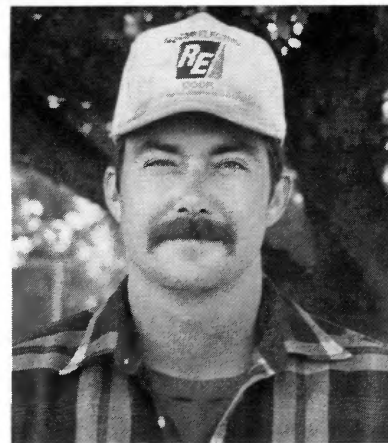
On September 1, 1988, the 51st annual meeting of McDonough Power Cooperative will be held at the Fellheimer Auditorium at the Macomb High School.

Registration to begin at 6:30 p.m., meeting begins at 7:30 p.m.

The August REN will have further details of this annual meeting and you will be receiving your notice in the mail previous to the meeting.

**Your employees****Baker****Hazel Baker**

Hazel is usually the lady you make your payment to if you come into the office to pay. She has been cashier for the Cooperative for 21 years. Her duties also include working with the computer terminal in checking out members billing when there are questions. Hazel and her husband, Harlan, reside near Good Hope. They are parents of three children and have seven grandchildren. She is active in the Good Hope United Methodist Church, serving as Chairman of Missions. She is serving as Second Vice President of the Macomb American Legion Post No. 6 Auxiliary and a

**Norton****Tim Norton**

member of the Past Presidents Club. She enjoys swimming and quilting.

Tim began employment with the Cooperative in July 1979 as an apprentice lineman and has advanced to lineman. This involves much learning and hard work as well as being called out in all types of weather during outages. He and wife, Bobbi, reside in Macomb and have a son and daughter. Tim is an enthusiastic sportsman, enjoying many types of hunting. He is actively involved in assisting his father in constructing a log cabin at the present time.

**Common appliances****Monthly kwh**

1 kwh/hour
2.5-3.5 kwh/hour
15
3
5 kwh/load
8
200
30-48
100-190
150-240
1
1 ½ kwh/hour
3
75-150
16
6
100-150
100-200
150-230
30-40
3
8
400
300
100
40

**What to do when the power is off?**

If your power goes off, we offer these suggestions:

1. Check your fuses or circuit breakers.
2. Check your meter pole. If you have breakers, make sure they are in the "on" position.
3. If you still have no power, check with your neighbor to see if he has power.
4. Call 837-1400 — OUTAGE NUMBER
5. Tell the dispatcher your name and location number, and what you have found.



### CHERRY SALAD

- 1 can cherry pie filling
- 1 small can coconut
- 1 can Eagle Brand Milk

Mix all together.

- 2 cup pineapple tidbits, drained
- 1 cup chopped nuts
- 1 large non-dairy whipped topping

### GREEN PEA CASSEROLE

- 1 can tiny green peas, drained
- 1 can water chestnuts, sliced
- 1 can cream of mushroom soup
- 1 small onion, minced
- 2 tablespoons green peppers, chopped
- 1 cup celery, diced
- 2 whole pimientos, diced

Melt  $\frac{3}{4}$  stick butter in heavy skillet. Add onion, green pepper and celery. Saute over medium heat until soft. Add peas and water chestnuts, fold in pimiento. Arrange layer of this in a 2-quart casserole, top with a layer of undiluted soup. Repeat layers. Sprinkle with buttered bread crumbs. Bake at 350 degrees until bubbling hot.

### SOUR CREAM CHICKEN

- 4 to 6 chicken breasts, boned
- 1 jar sliced pressed smoked beef
- 4 to 5 slices bacon
- 1 10 $\frac{3}{4}$  oz. can cream of mushroom soup
- 1 10 $\frac{3}{4}$  oz. can cream of chicken soup
- $\frac{1}{2}$  pint sour cream

Break beef into small pieces and lay in bottom of greased baking dish. Lay chicken breasts on beef; lay strips of bacon over chicken. Mix sour cream and soup together and spread over top. Bake uncovered at 275 degrees for 3 hours. Serve over rice.

### HERSHEY'S CHOCOLATE PIE

Beat 2 egg whites, 1 teaspoon vinegar,  $\frac{1}{4}$  teaspoon cinnamon and  $\frac{1}{4}$  teaspoon salt until stiff but not dry. Gradually add  $\frac{1}{2}$  cup sugar and beat until very stiff. Spread over bottom and sides of a 9-inch baked pie shell. Bake at 325 degrees for 15 to 18 minutes. Cool. Melt 6 oz. package of semi-sweet chocolate chips over hot water. Blend 2 egg yolks which have been beaten with  $\frac{1}{4}$  cup cold water. Stir until smooth. Spread 4 tablespoons of the mixture over cooled meringue. Chill the rest. Whip 1 cup whipping cream until stiff, add  $\frac{1}{4}$  cup sugar and  $\frac{1}{4}$  teaspoon cinnamon. Spread half of the mixture over the chocolate layer in pie shell. Fold chilled chocolate mix into remaining whipped cream. Spread over center of pie. Chill 4 hours before serving.

### COCONUT PIE

- 1 cup sugar
- 1 tablespoon flour
- 2 eggs, beaten
- 1 cup milk
- 1 teaspoon vanilla
- 1 stick butter, melted
- 1 can Angel Flake coconut or 1 cup of other brands

Mix flour and sugar together. Mix all other ingredients together and put in unbaked pie shell. Bake at 350 degrees for 40 minutes.

### CHICKEN CASSEROLE

- 2 cups chicken, diced
- 1 cup cooked rice
- 2 tablespoons chopped onion
- 1 can water chestnuts, sliced and drained
- 1 cup celery, diced
- 1 can cream of mushroom soup
- $\frac{1}{2}$  cup mayonnaise
- $\frac{1}{2}$  cup sliced almonds

Mix all together. Put in casserole and cover with 1 cup crushed cornflakes mixed with  $\frac{1}{3}$  stick oleo. Bake at 350 degrees for 45 minutes.

### BUFFALO CHIPS

- 1 lb. margarine
- 2 lbs. dark brown sugar
- 2 cups white sugar
- 4 beaten eggs
- 2 teaspoons vanilla
- 4 cups flour
- 2 teaspoons baking powder
- 2 teaspoons baking soda
- 2 cups nuts, any kind
- 2 cups quick oats
- 2 cups crushed cornflakes
- 1 6 oz. bag chocolate chips
- 1 6 oz. bag butterscotch chips

Will need a LARGE bowl. Cream margarine and add both sugar. Mix well. Add eggs and vanilla. Mix well then add remaining ingredients. Mix all together. Drop by ice cream scoop onto cookie sheet. Use  $\frac{1}{4}$  cup measuring cup. Put no more than 5 or 6 on a sheet as they spread out to 4-5 inches. Bake 350 degrees for 15 minutes.

### CHEESE SQUARES 6 servings (2 squares each)

- 10 slices bread or toast
- $\frac{1}{4}$  cup butter, soft
- $\frac{1}{4}$  pound ham, very thinly sliced
- 1 $\frac{3}{4}$  cups sharp process American cheese, diced
- $\frac{1}{2}$  cup cheddar cheese, diced
- $\frac{1}{2}$  cup Monterey Jack cheese, diced
- 4 eggs, slightly beaten
- $\frac{1}{2}$  cups milk
- 1 cup Half & Half
- 1 teaspoon salt
- 1 teaspoon parsley flakes
- $\frac{1}{4}$  teaspoon dry mustard
- 1 tablespoon onion, chopped
- 6 tablespoons sour cream
- Sprigs of parsley (for garnish)

Preheat oven to 350 degrees F. Lightly grease with butter a 12 x 8 x  $\frac{1}{2}$  inch baking dish; trim crust from bread. Spread soft butter on bread. Mix diced cheeses together. Put 5 slices of the buttered bread in baking dish; spread  $\frac{1}{2}$  of the ham over bread; spread or sprinkle  $\frac{1}{2}$  of the cheeses over ham; place remaining bread on cheese; then remaining ham; sprinkle remaining cheese over ham. Mix together eggs, milk, half & half, salt, parsley flakes, dry mustard, and onion together and pour over layers and bake at 350 degrees F. for 30 minutes, then turn oven back to 325 degrees F. and bake 30 minutes more or until firm. Remove from oven and let stand about 15 minutes, then cut into squares. Just before serving, place  $\frac{1}{2}$  tablespoon sour cream on each square and top with a small sprig of parsley. Serve with mixed fresh fruit.

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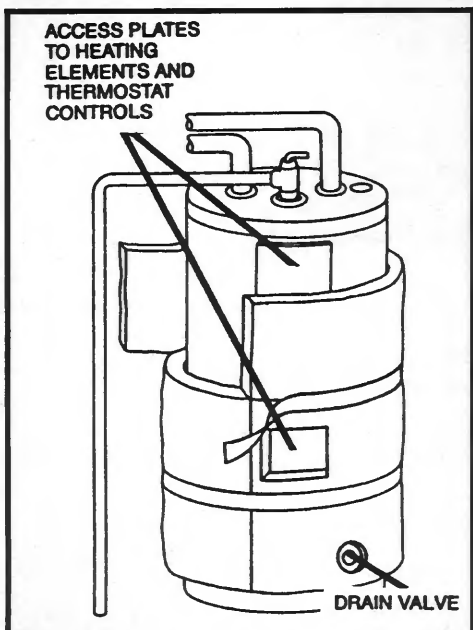
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family of four with two bathrooms and an automatic clothes washer.

The water heater should be located as close to the point of hot water use as possible. This reduces the amount of heat loss from the water as it runs through the pipes. If a bathroom is far from the water heater, consider installing a small water heater just for that room.

### Energy Use

Your water heater is at work 24 hours a day. When the temperature of the water in the tank drops below a certain level, the thermostat turns on the heating elements until the desired temperature is reached. Thus, your tank is always prepared to provide you with hot water at the twist of a tap.

When purchasing a new or replacement heater select a unit with a high heating efficiency and insulation with a high "R" value around the tank. The higher the "R" value, the better the insulation. You may find that this costs a little more initially but your water heater is expected to handle a 24-hour a day job for years to come, and you'll find the reduced energy costs to operate the water heater more than compensate for a higher initial cost.

### Insulating the Water Heating System

All hot water pipes should be insulated to keep the water from cooling off any more than necessary between the heater and the point of hot water use.

In addition, there is a "standby loss" from the water heater tank. This is heat that escapes from the heated water through the tank. If the water heater is located in a room that you want to keep warm, this standby loss helps heat that room. In the winter this may be fine. However, in the summer it's heat you don't need.

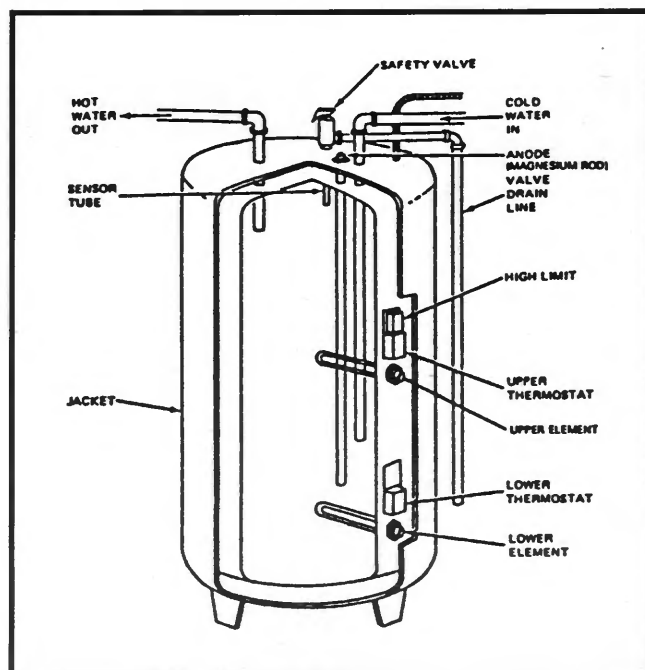
To reduce the standby loss, the heater should be wrapped with insulation. Insulation kits are available at many hardware and builder supply stores. The kits contain a vinyl-faced insulation wrapper, fastening tape and detailed instructions. The wiring and thermostat access panels should *not* be covered with the insulation blanket. Cut a "window" out

### Average hot water used per day

Two adults — one child .....	60 gal.
Two adults — two children .....	70 gal.
Two adults — three children .....	80 gal.

of the blanket at these areas and tape the cut edge directly to the water heater. The "window" reduces the possibility of the wiring overheating.

Tests have shown that this additional water heater insulation can pay for itself in one to two years. When the water heater is located in an unheated area such as a cold basement or garage the insulation will save even more on your water heating costs. It is easy to install an insulation jacket on a water heater.





## manager's report

by William C. Lemons

# watts no

IREN SUPPLEMEN



## McDonough Power Cooperative's 51st Annual Meeting

**Attend your cooperative's annual meeting —  
Thursday, September 1, 1988  
at 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 • Safety demonstration

The 1988 McDonough Power Cooperative annual meeting will be held Thursday, September 1, 1988, at 7:30 p.m. at the Fellheimer Auditorium, Macomb High School, South Johnson Road, Macomb.

Your official notice will be mailed approximately August 22, 1988. 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 30, 1988. 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 credit on their September energy bill.

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

## 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 the 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 fiscal year and transacting such other business

as may come before the meeting. It shall be the responsibility of the Board to make adequate plans and preparations for the annual meeting. Failure to hold the annual meeting at the designated time shall not work a forfeiture or dissolution of the Cooperative.

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 (1%) of the members present in person or represented by proxy shall constitute a quorum for the transaction of business at all

**DIRECTORS**

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

# McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400

## Tom Fennell — guest speaker

Tom Fennell is a native of Sioux City, Iowa.

Fennell attended Creighton University, Omaha, Nebraska, from where he was graduated with a bachelor of science degree in journalism in 1947.

Following five and one-half years as news director with radio station KSCJ in Sioux City, he joined the news staff of the Sioux City Journal as a general assignment reporter.

He moved to Huron, South Dakota, in 1963 when he became editor of the South Dakota High Liner, the official publication of the South Dakota Rural Electric Association (SDREA).

In 1968 he was named director of publication relations and public information for Creighton University, a post he held until returning to SDREA in 1970 as information

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.

Section 5. Voting. Each active member shall be entitled to only one vote upon each matter submitted to a vote of the active members. All questions shall be decided by a vote of a majority of the active members voting thereon in person or by proxy except as otherwise provided by laws, the articles of incorporation of these bylaws.



Fennell

director. He was named executive manager of SDREA in October 1974 and retired from that position in July of 1987.

He is a past president of the Rural Electric Statewide Managers' Association, is a former member of the board of directors of the Western States Water & Power Consumers Conference and in 1983 was named recipient of the East River Electric Power Cooperative Eminent Service award.

He and his wife, Irene, are the parents of five daughters and one son, and they also have 10 grandchildren.

## AIEC farm and home electrical safety demonstration

There will be an electrical safety demonstration by personnel from the Association of Illinois Electric Cooperatives in the lobby at the Fellheimer Auditorium. This should be most helpful to many of our members who handle much electrical equipment on their farms.

## Nominating Committee report

Pursuant to the bylaws, the members of the nominating committee met at the Holiday Inn, Macomb, June 30, 1988, at 7 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, September 1, 1988.

The following members were present:

James M. Garrison  
 Carroll Hensley  
 Sterling Wood  
 Grover DeCounter  
 John Felt  
 Jan C. Runner  
 Cecil R. Shimmin  
 Charles Roe  
 Charles Seaver  
 Charles F. Miller  
 William C. Robinson  
 Mark Anderson

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

### District 2

Jerry Riggins

### District 5

Lyndall Pigg

### District 8

Howard Butler

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

William C. Robinson, Chairman  
 June 30, 1988

# Rural TV signs major programmers

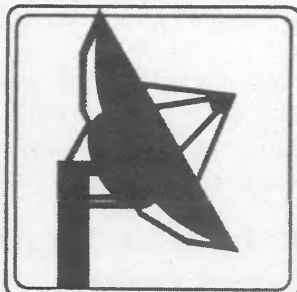
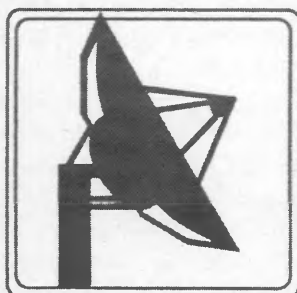
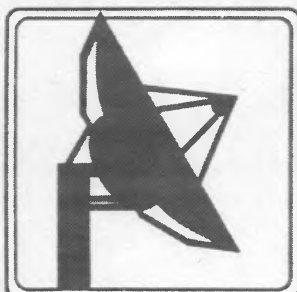
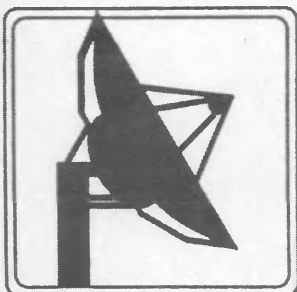
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A long congressional battle and two years of bickering have come to an end. Six major programmers of satellite television shows agreed to let the National Rural Telecommunications Cooperative (NRTC) distribute their shows to rural utility consumers.

HBO and its sister channel Cinemax, The Disney Channel, Nickelodeon, Netlink USA and The Nashville Channel have joined 14 smaller channels on NRTC's menu of low-cost satellite television programs that is offered to rural consumers through electric and telephone cooperatives. The large programmers, who regularly distribute their programs via cable companies, had resisted efforts by NRTC and other non-cable groups to win permission to distribute the popular shows. That reluctance led to a lengthy congressional battle that ended June 30 when a House subcommittee approved a bill that would force programmers who sell their signals to cable companies for distribution to also sell them to non-cable groups like NRTC. That same evening, the six new programmers signed on with NRTC.

"Certainly this is a positive event in the evolution of the home dish market," said Bob Phillips, chief executive at the Washington, D.C.-based NRTC. "It's one that will change the way home dish owners are served and we believe it will give the entire industry a boost."

NRTC emerged about two years ago when officials from the National Rural Electric Cooperative Association



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(NRECA) and the National Rural Utilities Cooperative Finance Corp. (CFC), two Washington, D.C. groups representing the nation's 1,000 consumer-owned rural electric systems, decided that rural consumers should be able to get the same cable programs as city dwellers. The new co-op was formed to bring affordable television to consumers of rural utility co-ops.

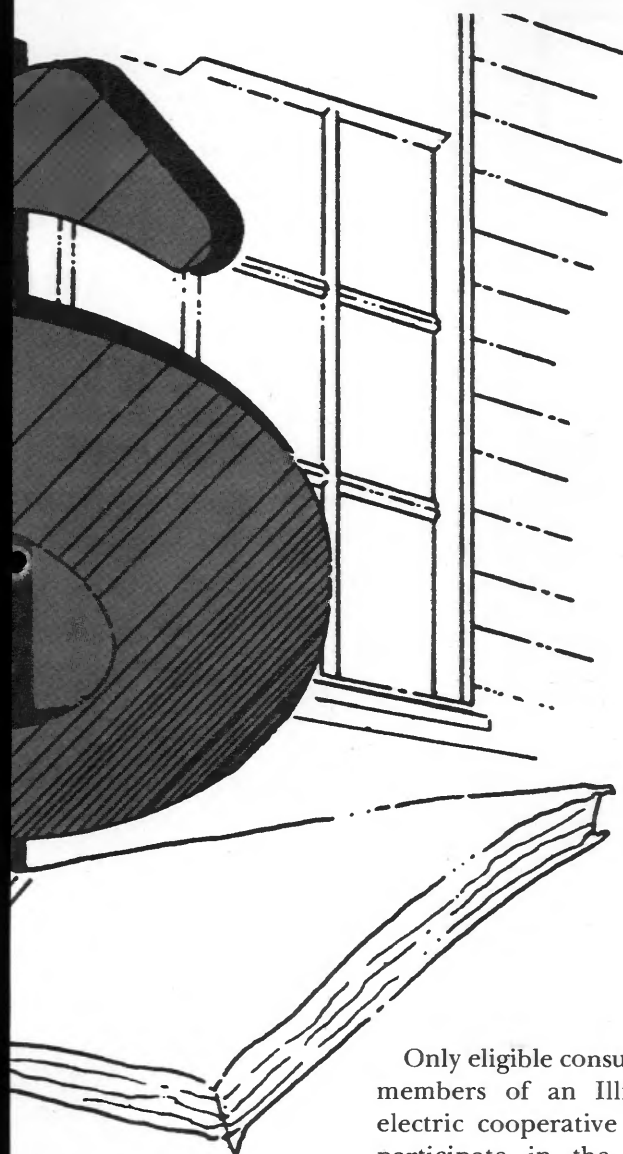
But when negotiations began with programmers of "scrambled" television shows, NRTC officials complained that the cable industry had a monopoly on distribution of those shows, and they took their case to Congress. Sen. Albert Gore (D-Tenn.) and Rep. Billy Tauzin (D-La.) introduced legislation that would force HBO and others to do business with groups like NRTC.

Rural electric and telephone systems across the country offer NRTC's package of descrambled television shows to consumers who either buy or rent backyard satellite television dishes and pay a monthly subscription fee.

NRTC's other offerings include: Cable News Network and CNN Headline News; ESPN; CBN Cable Network, WWOR (New York); WSBK (Boston); KTLA (Los Angeles); The Nostalgia Channel; USA Network, Superstation TBS; WGN (Chicago); WPIX (New York); KTVT 9 (Dallas); SelecTV (a pay-per-view movie channel); Home Sports Entertainment, The Learning Channel, The Country Music Channel and The Travel Channel.

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Only eligible consumer-members of an Illinois electric cooperative may participate in the program.

Any cooperative member with a household income of 80 percent or less of the cooperative service area's median income is eligible for a grant of up to \$1,500. 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.

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.

Eligible projects include:

- Insulation projects for walls, ceilings, attics, foundations, crawlspaces, floors, basement walls or ceiling, water pipes, air ducts, underpinning, and mobile home undercarriages
- Water-saving shower heads
- New, energy-efficient water heaters (must meet ASHRAE 90 Standards as required by Illinois law)

- Water heater jackets (blankets)
- Set-back thermostats
- Central air-conditioners with a SEER greater than 10.0 (or room air conditioners with an EER greater than 8.6) 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 (Maximum grant is \$1,000 for these types of systems.)
- Electric heat pumps with SEER ratings of greater than 8.6
- Furnace load management systems and furnace efficiency modifications
- Furnace flue modifications and electronic ignition systems
- Furnaces with an AFUE rating of 90 or better, and 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 for a grant of up to \$150 maximum per entrance
- Storm windows and thermal replacement windows for a grant of up to \$150 maximum per entire window unit
- Caulking and weatherstripping
- Energy-saving fluorescent lighting

All projects must demonstrate a 10-year payback to the member in energy savings, as determined by an energy audit.

Contact your cooperative or ENR if you are interested in applying for a Rural Home Energy Program grant. Before being considered for the grant, participants 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 systems and cost estimates.

Applications must be submitted to the Cooperative. After it is reviewed there, 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 the Cooperative. The Cooperative then endorses the check and presents it to the member for payment. ENR has the right to 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 your electric cooperative or the Illinois Department of Energy and Natural Resources at (217) 785-2800.

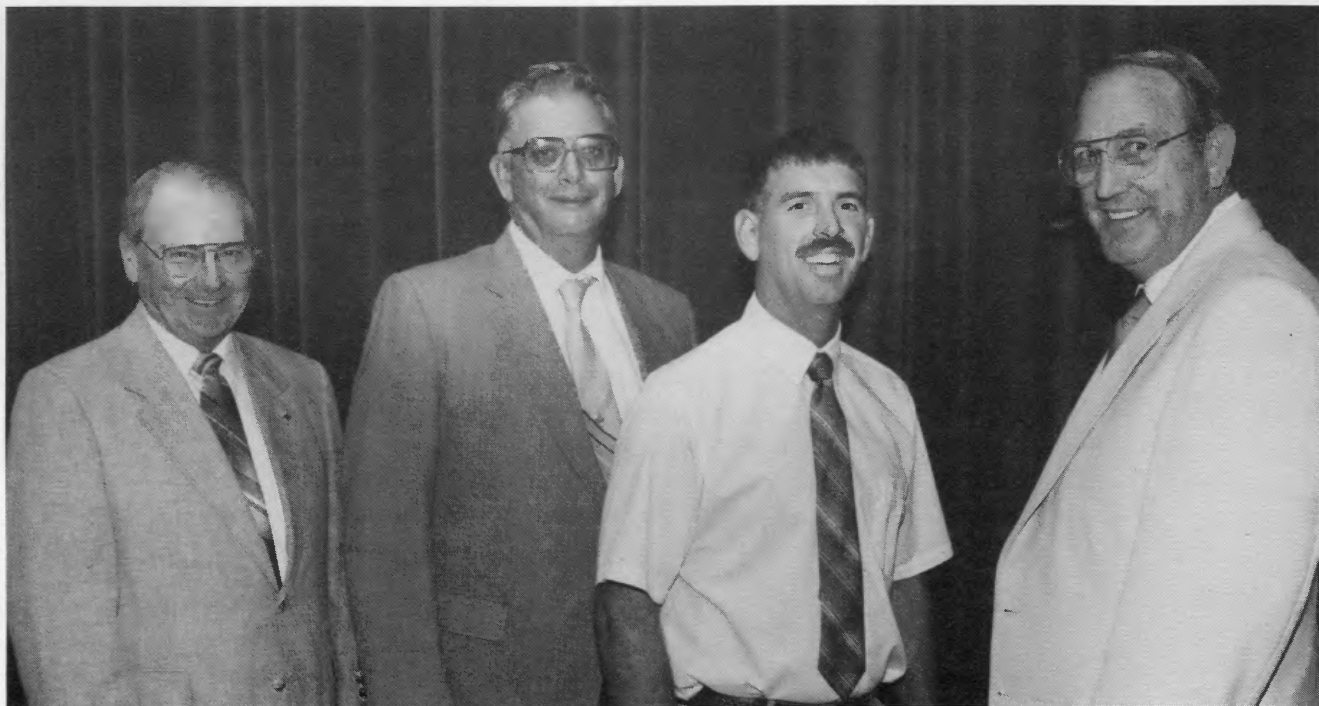


## manager's report

by William C. Lemons

# Watts n

IREN SUPPLEME



Jerry Riggins (second from right) is the newest member of the board of McDonough Power Cooperative. Riggins, of rural Macomb, was elected September 1 during the consumer-owned cooperative's 51st annual meeting in Macomb. He replaces longtime director Donovan Lawyer of Industry, who retired. With Riggins are, from left, reelected directors Lyndall Pigg of Bushnell and Howard Butler of Monmouth and manager William C. Lemons. The directors were elected to three-year terms.

## Outlook calls for stable rates

McDonough Power Cooperative officials foresee stable electric rates for members of the consumer-owned electric utility. Reporting during the cooperative's annual meeting September 1 at Macomb Senior High School, officials cited debt refinancing by McDonough's power supplier and a planned power supplier merger as key factors for the optimistic outlook.

Thomas Curtis of Monmouth, board president, said that McDonough's power supplier, Soyland Power Cooperative, refinanced at lower interest rates its debt incurred to purchase ownership in the Clinton Power Station.

He also reported that Soyland and another part owner of the Clinton plant, Western Illinois Power Cooperative, plan to merge January 1.

"With the merger and Soyland's refinancing, our rates should remain stable for the next several years. Barring unforeseen problems, the only thing that could influence our costs would be the rate of inflation. And, with the combined interest in the Clinton plant, we also will have an adequate supply of power for years to come," Curtis added. The two power suppliers own 13.3 percent of the plant, he said.

Manager William C. Lemons outlined recent construction work completed by the cooperative, noting that a new transmission line was now in service that will provide an alternate power supply connection to five substations. Lemons, who became manager last December, said McDonough also planned to replace a substation northeast of Macomb. The substation is about 50 years old, he added, and has had a poor reliability record in recent years.

The cooperative has put two new community awareness programs into service in the last several months, Lemons said. McDonough

#### DIRECTORS

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

## McDonough Power Cooperative

MACOMB, ILLINOIS 61455

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employees are participating with area law enforcement organizations in the Crime Watch program and with the Illinois Department of Aging in the Gatekeeper program.

He also paid tribute to the employees of the cooperative, explaining that the cooperative had been honored for having three consecutive injury-free years. Lemons also expressed appreciation to his predecessor, Bob Pendell, who retired as manager of the cooperative last December, saying that Pendell's "planning and guidance has left McDonough Power in excellent shape financially and operationally for now and in

the future."

During the meeting, Jerry Riggins of rural Macomb was elected to his first three-year term on the cooperative's board of directors. Riggins, a pork producer, represents District 2 and replaces Donovan Lawyer of Industry, who retired from the board. Two members were reelected to three-year terms: Lyndall Pigg of Bushnell in District 5 and Howard Butler of Monmouth in District 8.

Treasurer Harold Anderson of Roseville said revenue for 1987 was \$5,965,764, up slightly from 1986 revenue of \$5,879,994. Wholesale power cost McDonough \$4,557,141,

an increase of more than \$300,000 over power costs in 1986. Net margins for 1987 were \$234,815.

Lawyer, a director of McDonough for 21 years, received a resolution citing his service to McDonough Power Cooperative and the Association of Illinois Electric Cooperatives, which he also served as a director.

Guest speaker for the meeting was Tom Fennell, retired executive director of the South Dakota Rural Electric Association and well-known spokesman for rural electrification, cooperatives and rural development.

## Name-a-minute drawing

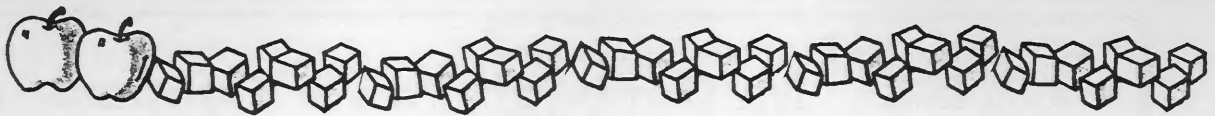
Asterisks indicate members were in attendance at annual meeting and \$25 was credited to their September electric bills.

Evelyn Akers  
Lila Jean Allen  
Hugh & Doris Allison  
Jerry & Joyce Allison  
Max R. Armstrong  
Clyde W. Ausmus  
\*Robert & Lila Allen  
Tracy Balbort  
Paul D. Bamman  
Gregory Beck  
Kenith Beckner  
Jerry & Christine Billeter  
Todd Boicken  
LeAnn Brandenburg  
John & Marilyn Bricker  
Richard Brokaw  
Brooks Brothers  
Eugene A. Brown  
\*Roy & Ima Jean Bycroft  
Ron Byers  
\*William Callahan  
Lee Cassidy & Son  
Joe & Helen Cloyd  
J.W. Collins  
Marion & Phyllis Cornelius  
Allen Cottom  
\*Wayne & Faun Cramer  
Russell Dakin  
Sam Danner  
Nina M. Davis

John Decker  
Marjorie Derry  
Steve Derry  
George Dixon  
Norman & Linda Dudek  
Charles W. Elliott  
Deborah Farris  
Bonnie Fraser  
John & Mary Lou Friday  
Joe & Pam Gaskill  
Charles & Sara Jo Guy  
Harry Griffith  
Michael & Amy Griswold  
Richard Harshbarger  
Richard & Janice Hart  
Almira Harvey  
Kevin D. Hickey  
Robert & Hope Huston  
Ernest Johnson  
Edythe O. Johnson  
George R. Johnson  
James L. & Sandra L. Johnson  
\*Tony & Edna Keimig  
Allen L. Kepple  
Letha Larson  
Alfred & Joan Lindsey  
Clyde Ludlum, Jr.  
Elwyn McFadden  
Michael W. McKee  
Richard Marcott

Howard & Lucille Markley  
James Markely  
Hiram & Georgina Martin  
Richard & Cheryl Martz  
Todd A. Mendenhall  
Glade & Gladys Moore  
Lester & Marlene Morrison  
Dean L. or Carolyn A. Moore  
Roger McGrew  
Everett Moon  
Davie L. McCoy  
Robert J. Motley  
Joseph A. & Marcia E. Moulden  
Harold K. Murfin  
Kenneth & Diana Myers  
Janet Nelson  
James E. or Jean Neuman  
Robert C. Olson  
Art Palmer  
Donald F. & Barbara J. Perry, Sr.  
Becki Perry  
Donald E. Perry  
Marion R. Jr. & Mary L. Peterson  
Milton L. Peterson  
Joan Powell  
\*Charles R. & Irene Ralston  
Robert Randolph  
David Ray & Editha Ray  
Robert or Pat Riggins  
Larry & Diana Rings

Scott & Nancy Ritter  
Eric C. Russell  
Vernon W. & Ruth M. Russell  
Eddie or Marjorie Sammons  
Earl Sheckler  
Andrew & Betty Sierra  
Richard & Carol Stegall  
Wendell & Janis Stewart  
Lloyd W. Stream  
David R. Stuaan  
Joe & Margaret Sullivan  
Milt Sullivan  
Wendell Swigart  
Conrad Taylor  
Gordon Taylor  
Paul & Linda Thistlethwaite  
Melvin & Ginger Toland  
Duane & Terecia Torrance  
Orval & Glenn Torrance  
John E. Trotter  
Ivan Vancil  
Jarlath M. Watson  
Virginia Weaver  
Neil J. Welsh  
Robert G. Wheeler  
Edward Willey  
Wayne D. & Shirley Wilson  
Margaret Worthington  
Beatrice Yeager  
Ross Young



#### PEANUT BRITTLE

1 cup sugar  
1 teaspoon vanilla  
1 cup raw peanuts  
1/2 cup white corn syrup  
1 teaspoon butter  
1 teaspoon baking soda

Combine peanuts, sugar and syrup in pyrex dish. Cover and cook 4 minutes in microwave oven. Take out and mix well, then cook for 4 more minutes. Take out and add butter and vanilla; Cook for 2 more minutes. Remove and add baking soda. Stir until mixture turns brown; pour on buttered tray and let cool.

#### SWEET POTATO PIE

2 cups mashed sweet potatoes  
2 tablespoons melted butter  
1 cup sugar  
1/2 cup dark corn syrup  
1/2 teaspoon salt  
1/2 teaspoon cinnamon  
1/4 teaspoon cloves  
1/2 teaspoon nutmeg  
1/2 teaspoon ginger  
1/2 teaspoon allspice  
1 or 1 1/2 cups milk  
2 eggs

Mix all ingredients. Beat eggs well. Pour into a pie shell. Place in preheated oven of 400 degrees for 10 minutes. Reduce heat to 350 degrees and bake about 50 minutes.

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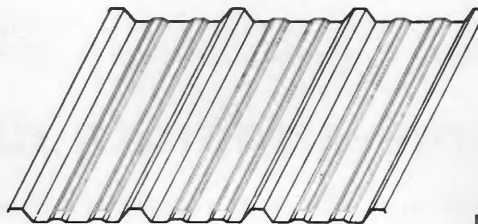
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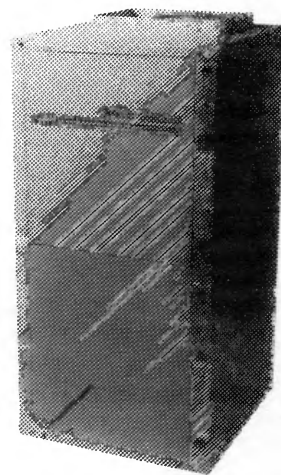
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Not only is a WaterFurnace system more cost efficient, it provides your family with an incredible level of year-round comfort. It keeps you warm in winter. Cool in summer. And consistently comfortable through the seasons in-between. A WaterFurnace system can even provide your home with hot water!

We can show you the details of how a WaterFurnace ground source heating and cooling system can meet your needs for year-round comfort. And give you the kind of true efficiency that you'll never find in a gas furnace.

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Because no matter what you've heard about "high efficiency" gas furnaces, nothing beats a WaterFurnace. Find out for yourself!



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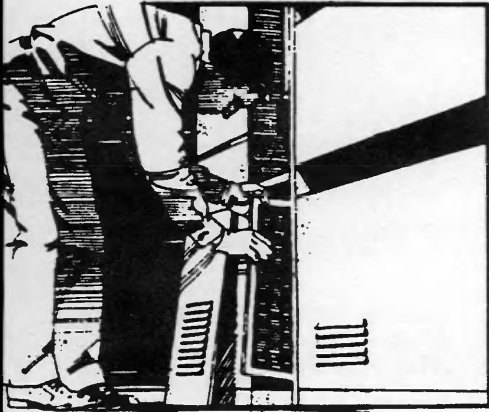


## manager's report

by William C. Lemons

# watts n

IREN SUPPLEME



## Prepare for winter

**Insulation** — Is your home adequately insulated? The suggested resistance standards (R factors) for homes are R-36 for ceilings, R-19 for walls and R-19 for floors. One inch of fiberglass batt insulation is R-3.13 while one inch of blown cellulose if rated R-3.7. Polystyrene has an R-5.26 rating per inch. Upgrading your insulation will not only help you keep your home warmer in the winter; it will help prevent heat gain during the summer.

**Storm windows and doors** — Check to make sure storm windows fit properly and are not damaged. If you do not have storm windows or doors, you may want to consider adding them to your home since they greatly reduce heat loss. Covering the outside of your windows with plastic is not as attractive as storm windows, but it will reduce air infiltration if done properly.

**Caulking** — Even relatively new homes should be checked for cracks in foundations, separation of

## Soyland and WIPCO to merge January 1

Soyland Power Cooperative of Decatur and Western Illinois Power Cooperative (WIPCO) of Jacksonville will merge effective January 1, 1989.

These two cooperatives had a membership vote June 30, 1988, in a special session with approval of the merger. Headquarters of the merged cooperative will remain in Decatur.

There are 14 electric distribution cooperatives in Soyland and seven distribution cooperatives in WIPCO. With the completion of the merger, Soyland, the surviving corporation, will provide bulk electric power for nearly one-half million people located throughout two-thirds of Illinois.

The merger and debt restructuring will allow the distribution cooperatives to enjoy stable

wholesale electric power rates well into the future. This should provide an approximate \$65 million savings over the next 10 years.

The merged generation and transmission cooperative will continue as an Illinois not-for-profit corporation with policies set by a board of directors consisting of the existing 14 WIPCO directors and 28 Soyland directors. While the headquarters of the merged corporation will remain in Decatur, operational facilities will be maintained in Jacksonville, Pittsfield, Pearl and Winchester.

The approximately 500,000 people served will see little change from the merger, and every attempt possible will be made to keep electric power rates as low as possible while providing reliable electric service.

materials at wall and floor joints and where pipes and wires penetrate floors and ceilings. These are good places to caulk in addition to the areas around window and door frames, between porches and the house, and around outdoor water faucets and electrical openings. Caulking is important since a tiny crack can allow a lot of heat to escape!

**Weatherstripping** — Cracks around door and window frames can be a major source of air infiltration, so good weatherstripping in these areas is important. Check air flow by moving a lighted candle along the cracks in window and

door frames on a breezy day. Stop the leakage with a good weatherstripping job.

**Check your heating system** — A heating system that does not work properly or efficiently costs you not only heat — it costs you money! Have the system checked out before winter arrives. Check your furnace filters often during the heating season and clean or replace them if needed. Also, check the level of your fuel supply if you heat with oil or gas. If you have a wood stove or furnace, check your flue for creosote buildup. Also, check flues for cracks or other damage that could create safety hazards.

**DIRECTORS**

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

# McDonough Power Cooperative

MACOMB, ILLINOIS 61455

All Co-op Electric Outages 837-1400



President Thomas Curtis (right) presents a service award to Bill Pollock of Colchester, from District 3, for 10 years of service as director at McDonough Power Cooperative. Currently, Bill is serving as vice president. He has served as secretary of the board and is the alternate director to Soyland Power Cooperative.



Thomas Curtis (right), president of McDonough Power Cooperative, presents retiring director Donovan Lawyer a resolution of appreciation at the September 1, annual meeting. This resolution reads as follows:

WHEREAS, Donovan Lawyer has retired as Director of McDonough Power Cooperative, and

WHEREAS, Mr. Lawyer has faithfully served and devoted much time, effort, and diligence as Director in District 2 since September 1967 until his retirement September 1, 1988, and

WHEREAS, he gave generously of his energy, knowledge, and talents as the Cooperatives President from

## Know your employees

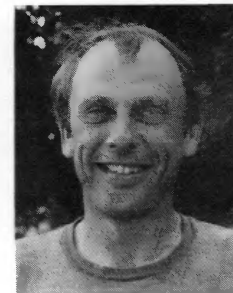


Stump

### Della Stump

Della is the lady who does the billing for the consumers accounts. She has been with the Cooperative for 28 years, beginning as records clerk. When you call the office with a question on your billing, she is the lady you will be talking with.

Della has lived in Macomb most of her life and worked in California a few years.



Budreau

### Gary Budreau

Gary has been with the Cooperative since September 1974. He is a journeyman lineman and construction crew foreman.

He came to McDonough from Northwest Iowa Technical College at Sheldon, Iowa.

Gary and his wife, Jodi, reside in Macomb and are the parents of a young daughter and son.

September 1982 to September 1987 which he filled in a highly efficient manner, and

WHEREAS, he served with dedication as the Treasurer of the Cooperative from September 1974 to September 1982, and

WHEREAS, he served as the McDonough Power's board member on the board of the Association of Illinois Electric Cooperatives from July 1979 to August 1988, serving as the Secretary of AIEC board from August 1983 to August 1985.

NOW, THEREFORE, BE IT RESOLVED by the members of the McDonough Power Cooperative's Board of Directors at its regular

meeting in Macomb, Illinois, on August 23, 1988, that their sincere appreciation and thanks be extended to Mr. Lawyer for the faithful, courteous, and efficient services he has rendered to the cooperative for the past 21 years.

BE IT FURTHER RESOLVED that this resolution be read into the minutes of the August 23, 1988, meeting of the Board of Directors as a tribute to Donovan Lawyer and that a copy of this resolution be presented to Mr. Lawyer at the September 1, 1988, annual meeting.

Thomas M. Curtis, President  
 McDonough Power Cooperative

# Bush and Dukakis on rural electrification

---

The National Rural Electric Cooperative Association asked the Democratic and Republican presidential candidates to provide for a recent series of regional meetings answers to questions about their positions regarding rural electrification. This is the text of those messages.

---

I regret that I am unable to join you today. But I thank you for giving me a few minutes to share my views on the role of rural electric cooperatives in developing the rural economy. I believe that the more than 60 million Americans

## George Bush

more than 60 million Americans who live in rural America should enjoy opportunities equal to those enjoyed by urban citizens: the same job opportunities, access to services, and quality of life. To ensure a prosperous future we must develop all aspects of the rural economy. Strong support for rural cooperatives is a basic commitment I have made to the future of rural America. The 1988 Republican platform reflects my belief. I am proud to stand on its firm principles.

Our rural electric and telephone cooperatives have an outstanding record of bringing essential services to the countryside. You have had and you will have a vital role in building a bright future for our main street businesses, farmers and ranchers.

The key to rural development is effective local leadership

All across this country rural communities are struggling to get back on their feet. For too many of our smaller communities—from the mining towns of northern Minnesota to the oil towns of Oklahoma; from the tobacco fields of

## Michael Dukakis

the tobacco fields of North Carolina to the farming towns of Iowa—the past eight years have been one of neglect and indifference from Washington, D.C. The 1990s must be—can be—and will be different. The Rural Electrification Administration is the lifeblood of rural America. And nowhere is the Republican indifference to rural America more apparent than in its repeated assaults on the budget of the REA and the REA loan program. Rural electric cooperatives provide power to 25 million Americans. Rural America depends on this source of power and rural cooperatives depend on the REA. Together they provide the fairly priced power that is the key to economic development and real opportunity in rural America.

As president, I won't turn my back on rural America, and I won't turn my back on the REA. I'll lend a hand to the millions of local officials, farmers, rural entrepreneurs, electrical cooperatives and just plain private citizens who are

working in partnership with private business, cooperatives, and federal, state, and local governments. In my administration, we will make more effective use of federal resources to encourage such partnerships.

An important part of this program will be to expand our efforts to make rural communities more attractive to industry.

Your success in bringing electric power to rural America provides the leadership and experience needed as we move forward to new challenges. Today, more than 20 federal programs are involved in rural development. In the future, we must carefully coordinate all of these efforts to ensure the best possible results. Rural electric administration programs and local-owned cooperatives play a vital role. They exemplify the spirit of public private partnership that is the key to the future.

I have an ambitious agenda for rural America, and I believe we can fulfill it.

Electric and telephone cooperatives have long been in the forefront of promoting business and industrial development. With your wealth of experience, your leadership will be invaluable in creating the partnerships I envision to chart a

*(Continued on page 16)*

anxious—and ready—to rebuild their communities. By ensuring fairly priced power through a revived REA, we can help bring vibrant economic growth to rural America once again.

I firmly oppose . . . sales (of government-owned hydroelectric facilities to private entities). Providing power to sparsely populated areas exceeds the cost of electrifying more-settled regions. Privatizing PMAs (power marketing agencies) would drive the price of power through the roof for millions of rural customers. For seven years now, the federal government has given rural America the back of its hand. It's time we lent a helping hand instead. As president, I will not privatize PMAs.

But I won't stop there. I'll help rural communities bring new life to our heartland with a fund to rebuild America—a half-a-billion dollar investment in our nation's future. This fund will invest in our roads and bridges; in bringing new technologies to rural America; in capital for small businesses; in job-creating, economy building partnerships that can bring new jobs—and new hope—to rural America.

Because it's time we helped rural America get back on its feet—through a real commitment to a sound REA; and a real plan for rural development.



**Table 1. Caulking compounds**

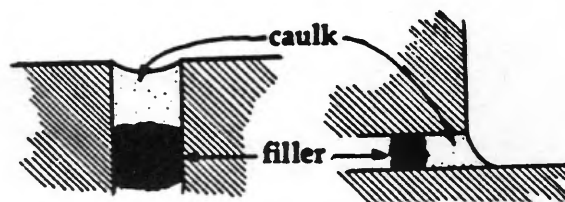
Base	Special uses	Durability	Adhesion	Paint	Cost
Oil or Resin	Will bond to most surfaces	1-7 years	Fair to good	Should be painted	Lowest cost
Latex, butyl, polyvinyl	Butyl is good for metal to masonry, continuous wetting	2-10 years	Good to excellent	Optional. Paint latex when used outdoors.	Intermediate
Elastomeric, includes silicones, polysulfides, polyurethanes	Silicone is good for around a bathtub. High moisture resistance	20+ years	Excellent	Optional. Be sure to read label as some cannot be painted	Most expensive

screen and storm sash. It is necessary to allow drainage of the water that an accumulate between the window and the combination frame when the window is open and the screen is in place.

Table 1 lists three classes of caulking compounds and gives some of the characteristics of each type. In addition to studying Table 1, be sure to read the labels on the caulking-compound tubes before you buy. There is a variety of caulking compounds within each base type. Acrylic-latex caulk gives good results for many jobs, but is not as long-lasting as other caulks when used outdoors. This is because it dries and shrinks with exposure. A silicone-based or polysulfide caulk will retain its elasticity over time and, thus, will require recaulking less often.

1. **Ladder safety.** Place the ladder on a solid base. Never stand on the top two rungs of a step ladder.
2. **Temperature.** The outdoor temperature should be 50 degrees F or above.
3. **Nozzle.** Cut the nozzle of the caulking tube on a 45 degree angle. Many nozzles have marks indicating a small, medium or large bead.
4. **Seal.** Push a long nail or screwdriver into the end of the nozzle to puncture the inner seal. If you try to break this seal by squeezing the gun trigger, you may break the gun.
5. **Start.** Place the nozzle at the point where the window meets the exterior wall. The angled cut of the nozzle should be turned toward the crack to be sealed.
6. **Pull method.** Squeeze the gun trigger until the caulking starts flowing. Slowly, while continuously squeezing the trigger, pull the gun toward you. Adjust the speed of movement of the gun to the time needed to fill the crack. Since caulking tends to contract when drying, the crack should be overfilled, but not enough to look messy.

7. **Push method.** Some applicators push the gun away from them rather than pull it toward them. This presses the caulking into the crack and gives a smoother fill, but is a difficult method to master (See Figure 1.)
8. **Smooth finish.** In order to obtain a smooth finish, some practice is required. Hardware stores sell an inexpensive tool to smooth the ribbon of caulk, or you can use your finger dipped in water.
9. **Stop.** Release the trigger and the flow will stop. However, some oozing may continue until the pressure on the plunger is released by turning the handle. Clean any excess caulking from the nozzle with a rag.
10. **Clean-up.** If any caulking remains in the tube, relieve the pressure from the gun by turning the plunger. Push a large nail into the tube nozzle to prevent air from drying the caulking.
11. **Painting.** Wait 24 hours before painting over the caulking. Some caulking materials come in colors that may match the existing paint. Others cannot be painted.
12. **Wide cracks.** Before caulking extra-wide cracks, fill the space with oakum, polyethylene foam backer rod, glass fiber insulation, etc. (See Figure 2.) The caulk should be no deeper than the crack is wide.



**Figure 2. Filling and wide cracks.**



## manager's report

by William C. Lemons



## Thanksgiving Day

We want to thank each of our members and express our appreciation for your cooperation and understanding throughout the past year. We all have so much for which to be thankful, we should unite in rendering our sincere and humble thanks for the Lords care and protection of the people of our country and all the great and various favors which have been conferred upon us.

A happy Thanksgiving from directors and employees of McDonough Power Cooperative.

## If your power goes off

1. Check all your breakers and fuses, including any breakers below your meter.

2. Check with your neighbors if they have power or have reported an outage.

3. Call 837-1400 — A cooperative representative is on call at all times to take outage calls. Have your location number when you call. This number is on the lower left hand corner of your billing stub.

# watts n

IREN SUPPLEMEN

## Energy conservation grants

Are you planning home weatherization improvement or replacing a heating and cooling system this year but lack the cash to get started? You might be eligible for a home weatherization and energy conservation grant from the State of Illinois.

Electric cooperative members who qualify may obtain up to \$1,500 from the Illinois Department of Energy and Natural Resources (ENR) for a variety of home energy use improvements to their home. The program will fund projects that will result in long-term home energy savings. The funding is available through the Rural Home Energy Program, approved by the Illinois General Assembly in the spring of 1987.

There has been an additional allocation of grant funds to qualifying McDonough Power members. There is money available; if you are interested, please contact your Cooperative.

## Board reorganization

At the September 26, 1988, meeting your board of directors of McDonough Power welcomed its new board member from District 2, Jerry Riggins. He replaces Donovan Lawyer, a 21-year director who retired at the end of his term.

Reorganization of the board was held and the following directors were elected as officers:

Thomas Curtis, President  
Bill Pollock, Vice-President  
Kenneth Moore, Secretary  
Harold Anderson, Treasurer

**DIRECTORS**

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

# McDonough Power Cooperative

**MACOMB, ILLINOIS 61455**

**All Co-op Electric Outages 837-1400**

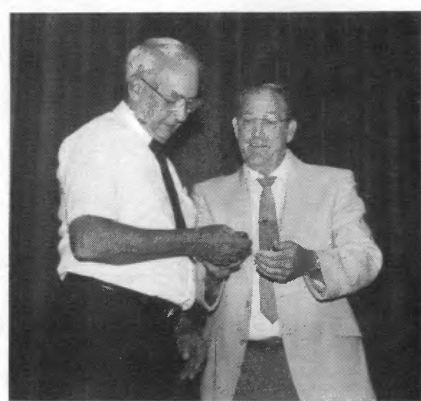
## Statement of nondiscrimination

"McDonough Power Cooperative has filed with the federal government a compliance assurance in which it assures the Rural Electrification Administration that it will comply fully with all requirements of Title VI of the Civil Rights Act of 1964 and the rules and regulations of the Department of Agriculture issued thereunder, to the end that no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the conduct of its program and the operation of its program and the operation of its program facilities. Under this assurance, this organization is committed not to discriminate against any person on the ground of race, color, or national origin in its policies and practices relating to treatment of beneficiaries and participants including rates, conditions, and extension of service, use of any of its facilities, attendance at and participation in any meetings of beneficiaries and participants or the exercise of any rights of such beneficiaries and participants in the conduct of the operation of this organization."

"Any person who believes himself, or any specific class of individuals, to be subjected by this organization to discrimination prohibited by Title VI of the Act and the rules and regulations issued thereunder may, by himself or a representative, file with the Secretary of Agriculture, Washington, D.C. 20250, or the Rural Electrification Administration, Washington, D.C. 20250 or the organization, or all, a written complaint. Such complaint must be filed not later than 90 days after the alleged discrimination, or by such later date to which the Secretary of Agriculture or the Rural Electrification Administration extends the time for filing. Identity of complainants will be kept confidential except to the extent necessary to carry out the purpose of the rules and regulations." McDonough Power Cooperative West Jackson Road, Box 352 Macomb, IL 61455

## Office closing

The cooperative office will be closed Thursday, November 24, for Thanksgiving. Regular office hours and co-op business will resume again on Friday, November 25.



## Wayne Evans receives 40-year award

Wayne Evans received his 40-year gold watch from manager William C. Lemons at the September 1 annual meeting.

Wayne began with McDonough Power Cooperative in September 1948 as an apprentice lineman and progressed to journeyman lineman. He served as lineman for many years and in 1979 was promoted to energy conservationist and engineering assistant.

Wayne and his wife, Pat, live north of Macomb on Route 67 and are the parents of three daughters and have three grandsons. Pat is employed by Haeger Pottery as payroll supervisor, a position she



## Roger Robeson receives 30-year award

Roger Robeson received his 30-year plaque of appreciation from manager William C. Lemons at the September 1 annual meeting.

Roger has worked in many positions in the office and is office coordinator.

He is a graduate of Colchester High School, attended Gem City Business College in Quincy, and currently resides in Macomb.

has served in for many years.

Wayne also farms and enjoys his riding horses and big game hunting.

Manager Lemons stated he looks forward to presenting Wayne his 45-year award.

## Going south?

We have many members who go south in the winter months to get away from the snow and ice Illinois usually has in those months.

Please do not forget to make arrangements for your electric bill while you are going to be away. There are several ways this can be handled. Get in touch with the Cooperative office and it can be handled in the way most convenient for you. We want you to enjoy your vacation and not feel any anxiety about your electric bill while away.

## Lineman moves to Colorado

Mark Peyton, lineman at McDonough Power for many years, resigned as of October 1, to take employment in Colorado. He states it has been his dream to live in Colorado after many visits there. We regret Mark's leaving and wish him much happiness in his future plans.

Mark is the son of retired manager and Mrs. Arthur Peyton of Macomb. Art Peyton was manager of the Cooperative for many years and resides in Macomb.



### LEMON ANGELS

Yellow, red and green food color  
 1 3/4 cups flaked coconut  
 1 cup (2 sticks) butter  
 1 1/2 cups sifted confectioners sugar  
 1 egg  
 1 teaspoon vanilla extract  
 2 1/4 cups all-purpose flour  
 1/2 teaspoon baking soda  
 1/2 teaspoon salt  
 1 tablespoon grated lemon peel

To tint coconut, blend 2 to 3 drops of 1 food color with a few drops of water in a jar. Repeat for each color. Add 1/3 cup of coconut to each jar; cover and shake vigorously until coconut is desired color. Drain on paper towels. For cookies, cream butter; gradually add sugar and beat until light and fluffy. Beat in egg and vanilla. Sift together flour, soda and salt; gradually add to creamed mixture. Blend in lemon peel. Divide dough in thirds; cover and chill. For each third, roll teaspoonfuls of dough in one color of coconut; shape to form balls and place on unbuttered cookie sheets. Bake 10 to 12 minutes at 325 degrees. Remove immediately to wire racks to cool. Makes 7 dozen.

### SHRIMP DIP

1 lb. chopped shrimp  
 8 oz. cream cheese  
 1 small carton sour cream  
 1/3 cup mayonnaise  
 3 tablespoons chili sauce  
 2 teaspoons lemon juice  
 1 tablespoon minced onions  
 1/4 teaspoon Worcestershire sauce  
 1 large pinch of sugar

Mix all of the ingredients except the shrimp. Add the shrimp last to the mixture. Chill and serve.

### PECAN PRALINES

3 cups sugar  
 1 cup evaporated milk  
 2 tablespoons butter  
 3 cups pecans  
 1 teaspoon vanilla

Brown 1 cup sugar in thick skillet. Combine 2 cups sugar, 1 cup milk and butter in thick boiler, let come to a boil. Add caramelized sugar, let cook until it forms a soft ball in cold water. Add nuts and vanilla. Beat until creamy, drop on waxed paper.

### SOUTHERN PECAN PIE

3 eggs, slightly beaten  
 2 to 4 tablespoons butter, melted  
 1/2 cup sugar  
 1 cup corn syrup  
 1/2 teaspoon salt  
 1 teaspoon vanilla  
 1 cup pecans

Combine all ingredients except pecans in order given and mix well. Sprinkle nuts over pie shell; cover with egg mixture. Bake at 400 degrees for 10 minutes, reduce heat to 325 degrees and bake additional 40 minutes.

### SNOWBALL SALAD

9 oz. non-dairy whipped topping  
 1 cup sour cream  
 1 1/2 cups sugar  
 2 tablespoons lemon juice  
 2 or 3 mashed bananas  
 1 large can crushed pineapple, drained  
 1 cup chopped pecans  
 1/2 cup maraschino cherries, cut up

Mix non-dairy whipped topping, sour cream, sugar and lemon juice. Add bananas, pecans, pineapple and cherries. Pour into large dish. Chill overnight or freeze. Better if frozen.

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/s/ Larry F. Ellodge, Editor

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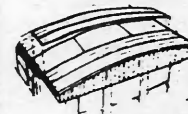
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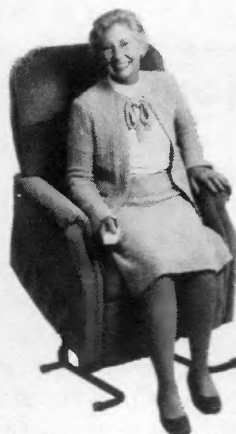


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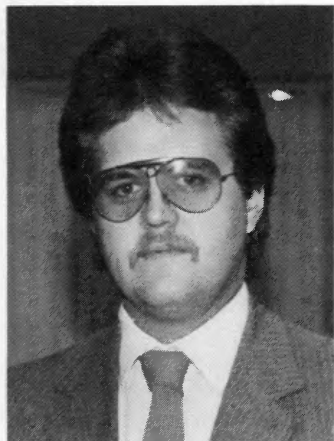
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**SINCE 1971**



# Coleman succeeds LeCrone at Shelby



Coleman

A ten-year veteran of the rural electrification program will succeed retiring manager William E. LeCrone at Shelby Electric Cooperative. James E. Coleman, operations superintendent of Clay Electric Cooperative at Flora, will assume his new duties in Shelbyville January 9.

The announcement was made November 8 by Neil E. Pistorius, president of the Shelby Electric Cooperative board of directors.

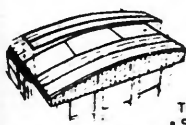
Coleman began his work in rural electrification at Clay Electric Cooperative in 1978. After several promotions, he was named operations superintendent

in 1983. Coleman is a native of Paris (Edgar County). He was graduated from Eastern Illinois University in 1979 and completed the management certification program of the National Rural Electric Cooperative Association in 1987.

LeCrone announced his retirement last June at the 50th anniversary meeting of Shelby Electric Cooperative. He has been employed by the cooperative for more than 44 years, the last 15 as manager.

Shelby Electric is a not-for-profit, member-owned electric utility. It provides electric service to more than 8,440 meters over 2,056 miles of energized lines. Member-owners live throughout rural portions of Christian, Cumberland, Effingham, Fayette, Macon, Montgomery, Moultrie, Sangamon and Shelby counties.

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SINCE 1971



## manager's report

by William C. Lemons

# Watts n

IREN SUPPLEME

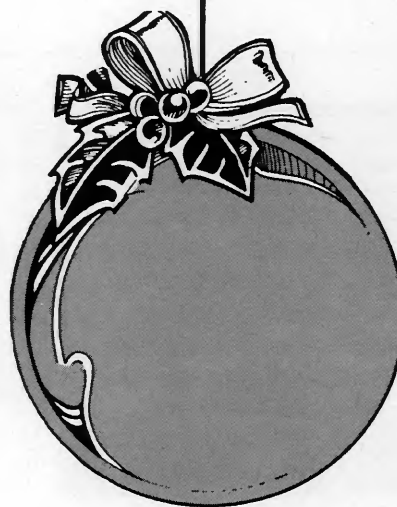
### Christmas ornament

As the story is told, there once was a colorful, red and green Christmas ornament that wanted very much to hang on a large Christmas tree. Not just any large tree, mind you, but one in a large and wealthy home where it could be surrounded by other beautiful bulbs and lights.

As Christmas Day was fast approaching, this particular ornament would perch itself on the store shelf, so it could see everyone shopping in the aisle. By observing the way each customer was dressed, the ornament would speculate on the customer's wealth. If the customer was poorly dressed, the little ornament would roll backward and hide behind the tinsel. Now this game of hide and seek seemed to be appropriate strategy at first but as the hours grew into days and the days into weeks, the ornament began to worry. Finally, it was the day before Christmas and the store was closing early. Clang, clang, clang — the 10 minutes-before-closing bell echoed through the almost-empty store. Silently and hopelessly, the little ornament began to cry.

The lights were being turned down as a raggedly dressed man shuffled deliberately down the aisle and began examining the remaining ornaments very carefully. Out of habit, the little ornament retreated behind the tinsel. Yet the terrible thought of missing Christmas altogether caused the little ornament to roll back to its original vantage point. After what seemed to be an eternity, the poor man finally selected an ornament — red and green. Tenderly, he carried his choice to the counter.

On Christmas morning, the little ornament was hung outside on a small spruce tree near some railroad tracks. Looking around, the ornament could see that its dreams of being surrounded by other beautiful bulbs and bright lights were not to be. There were no other decorations in sight. Cold and disappointed, the little ornament began to cry when a loud chorus of Joy To The World diverted its attention to four hoboes. They were gazing upon the red and green ornament and singing joyfully. Incredibly, as the hoboes sang, the little ornament began to shine as it had never shone before. Because for the very first time, it realized that the true joy of Christmas was not in receiving, but in the giving of happiness.



*"The best and most beautiful things in the world cannot be seen or touched — but are felt in the heart."*

*May Christmas find a place in your heart,  
May your heart find a place in His love.*

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

**DIRECTORS**

Thomas Curtis, President  
 Bill Pollock, Vice-President  
 Kenneth Moore, Secretary  
 Harold Anderson, Treasurer  
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 John D. McMillan, Attorney

# McDonough Power Cooperative

MACOMB, ILLINOIS 61455

**All Co-op Electric Outages 837-1400**

## System improvements

The crews have been working in Hidden Hills Subdivision where an alternate feed was built to give another source to the sewage lift station and residents of the area.

It was necessary also to install a new underground primary cable along Rebecca Avenue. The original cable, installed in 1972, has failed several times in the last two years, causing inconvenience to members in the area.

Underground cable failures are not unique to McDonough Power. All power companies that buried primary cable 12 to 20 years ago have been experiencing the same type of problems. We have been assured by the cable manufacturers that the new cable has been improved and we should not have to worry about future cable failures.

Dig-ins are still the main cause of underground cable problems. If you plan to dig, contact your Cooperative for a cable location.

Perhaps you have driven by and noticed activity around the substation just east of Bower Road and University Drive in Macomb. This is the site of the original (No. 1 Macomb) substation built in 1939 to start McDonough Power Cooperative.

The substation has been added on to and changed in various ways over the years, but it still is antiquated. The wood poles that hold the high-side switching are leaning and need to be replaced. The spacings are too close to meet the standards of today's electrical codes.

The old, original structure will be replaced with a new, modern aluminum-structured substation.

## Your employees

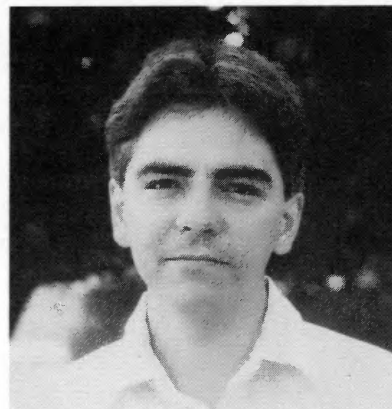


**Headley**

### **Royce Headley**

Royce Headley began employment with the Cooperative in April 1972, beginning as an apprentice and advancing to Journeyman Lineman. He has worked in all phases of these duties, including underground work and service area man.

Royce was raised in the area and now resides in Macomb with his wife Joyce. They are the parents of two sons, one a stu-



**Traser**

dent at Western Illinois University and the other a student at Edison Junior High School.

### **Scott Traser**

Scott Traser began employment with the Cooperative in December 1986 as bookkeeper. He is a graduate in accounting from Western Illinois University.

Scott was raised in LaHarpe and now resides in Macomb with this wife, Lynn, and their two-year-old son, Kevin.

## Electric heat rebate to be paid on May bill

An electric heat rebate will be paid to qualifying members of McDonough Power Cooperative on the May 1989 bill.

Members with electric heat in January, February and March of 1989 who have signed up and qualified, will receive credit on their May 1989 bill. If you have not signed up for the rebate previously, and have electric heat, please contact the Cooperative office. There were approximately 400 members who received the rebate in May of 1988.

If you have moved onto the Cooperative lines and will be using

electric heat in January, February and March 1989, please contact the Cooperative office. No credit can be issued unless a signed card is on file. No credit can be allowed unless the heating system has been verified by Cooperative personnel. Members eligible for this electric heat rebate are those who are using electric heat as their primary source of heat.

### **Office closing**

The Cooperative office will be closed Monday, December 26, and Monday, January 2.



# Easy recipes make holiday entertaining a breeze

## POPPY SEED BREAD

- 3 eggs
- 2 1/4 cups sugar
- 1 1/2 cups oil
- 3 cups flour
- 1 1/2 cups milk
- 1 1/2 tsp. baking powder
- 1 1/2 tsp. salt
- 1 1/2 tsp. almond flavoring
- 1 1/2 tsp. vanilla
- 1 1/2 tbs. poppy seeds

Beat eggs and sugar; add remaining ingredients (except poppy seeds) and beat 2 minutes. Blend in poppy seeds. Bake in 2 8-inch greased and floured loaf pans at 350 degrees for 1 hour. Leave bread in pans and while hot, poke holes in top and pour over glaze:

- 1/4 cup orange juice
- 1 cup powdered sugar
- 1/2 tsp. vanilla
- 1/2 tsp. almond flavoring
- 1/2 tsp. butter flavoring

## QUICKIE FUDGE

- 1 box powdered sugar
- 1/4 cup milk
- 1/2 cup cocoa
- 1 stick butter
- 1 tsp. vanilla
- Nuts

Blend sugar and cocoa with wire whisk to get lumps out. Add butter and milk. Microwave 2 minutes on high. Blend until smooth. Add vanilla and nuts. Pour into buttered dish and refrigerate 1 hour or put into freezer 30 minutes to set.

## CANDIED-GRAPEFRUIT PEEL

- 2 large grapefruit, peeled
- 1/4 cup light corn syrup
- 2 cups sugar
- 1 cup hot water

To Remove peel: Use point of a sharp knife and cut through the peel but not into the fruit. Wash the grapefruit first of course. Start at the stem end and return to the starting point making a circular trip around a grapefruit or orange. Make a second circular cut around the fruit at cross angles to the first, thus dividing the peel into quarters. Slip the point of the knife under the end of one quarter section and slowly strip it off. Repeat until all sections are removed. Cut the peel into 1/4-inch strips or finer if you like.

To cook: Cover peel with cold water, bring to a boil and cook 20 minutes. Drain. Repeat the process and drain again. Combine syrup, sugar, and hot water. Cook over low heat, stirring until sugar is dissolved. Add grapefruit peel and cook to 230°F, or until a little of the syrup forms a soft ball after it is dropped from a spoon into cold water. Peel becomes transparent and most of the sugar is absorbed. Remove peel by heaping, slotted spoonfuls. Press each spoonful against the side of the pan to drain off most of the syrup and make the candied strips easier to separate. Use the spoon to sprinkle strips on foil or cookie sheets. When the peel has cooled and dried slightly, toss it in granulated sugar to coat.

**Candied Orange Peel:** Instead of grapefruit peel use peel of 4 large or 6 medium oranges; substitute 1 cup cooking water for the 1 cup of hot water and follow above recipe. Use the entire orange peel. Tangerine peel and lemon peel may also be candied.

## EGGNOG CHIFFON PIE

- COOKY CRUST:**
- 1 1/2 cups crushed graham crackers with sugar and cinnamon topping OR chocolate cookie crumbs
- 1/4 cup (1/2 stick) butter, melted

- FILLING:**
- 3 tablespoons water
- 2 tablespoons rum
- 2 tablespoons brandy
- 1 1/2 envelopes unflavored gelatin
- 2 1/2 cups dairy eggnog
- 1/4 cup sugar
- 1/4 teaspoon salt
- 1 cup whipping cream

To prepare Crust: combine crumbs and butter. Press onto bottom and sides of 9-inch pie plate. Bake in preheated 350 degree oven, 5 minutes. Cool. To prepare Filling: in a small bowl, mix together water, rum and brandy. Sprinkle gelatin on mixture to soften. In a small saucepan stir together 1 1/4 cups eggnog, sugar and salt; heat just to the boiling point. Add softened gelatin; stir until gelatin is dissolved. Remove from heat. Add remaining 1 1/4 cups eggnog. Pour into a medium-size bowl; place plastic wrap on surface to prevent a skin from forming. Refrigerate until partially set, about 45 minutes. In a chilled bowl with chilled beaters whip cream until stiff. Fold into gelatin mixture. Turn into pie shell. Allow to set, then cover and chill 4 hours or overnight. Garnish with additional whipped cream, if desired.

**VARIATIONS:** COFFEE: Add 1 teaspoon instant coffee to eggnog mixture before heating. PEPPERMINT: Omit rum and brandy; use 1/2 cup water to soften gelatin. Stir 1/4 cup finely-crushed peppermint candy and 10 drops red food color into eggnog mixture before heating. Garnish with crushed peppermint candy, if desired.

## BLACK BOTTOM EGGNOG CHIFFON PIE

- 1 baked pastry shell, 9-inch
- FILLING:**
- 3 tablespoons water
- 2 tablespoons rum
- 2 tablespoons brandy
- 1 1/2 envelopes unflavored gelatin
- 2 1/2 cups dairy eggnog
- 1/4 cup sugar
- 1/4 teaspoon salt
- 2 squares (2 oz.) semi-sweet chocolate
- 1 cup whipping cream

To prepare Filling: in a small bowl, mix together water, rum and brandy. Sprinkle gelatin on mixture to soften. In a small saucepan stir together 1 1/4 cups eggnog, sugar and salt; heat just to the boiling point. Add softened gelatin; stir until gelatin is dissolved. Remove from heat. Add remaining 1 1/4 cups eggnog. Pour 1 cup eggnog mixture into heavy saucepan. Pour remaining eggnog in a bowl; cover and refrigerate until partially set . . . about 50 minutes. Add chocolate to eggnog in pan; stir and heat until well blended. Pour into bowl and chill until partially set . . . about 40 minutes. When chocolate mixture is nearly set, beat until smooth. Spread in bottom of pie shell, refrigerate until set. In a chilled bowl with chilled beaters whip cream until stiff. Fold into plain eggnog mixture. Turn into pie shell on top of chocolate mixture. Allow to set, then cover and chill 4 hours or overnight.

## HOLIDAY CROWN

- 2 pkgs. (3 oz. each) strawberry flavor gelatin
- 2 cups boiling water
- 1/2 cups cold water
- 2 pkgs. (3 oz. each) lime flavor gelatin
- 1/2 cup sugar
- 2 cups boiling water
- 1 cup cold water
- 1 envelope whipped topping mix

Dissolve red flavor gelatin in 2 cups boiling water. Add 1 1/2 cups cold water. Pour into an 8-cup mold. Chill until set, but not firm. Meanwhile, dissolve lime flavor gelatin and sugar in 2 cups boiling water. Add 1 cup cold water. Chill until slightly thickened. Prepare whipped topping mix as directed on package; blend into the lime gelatin. Spoon into mold. Chill until firm—at least 6 hours or overnight. Unmold. Garnish with fresh mint or holly leaves and whole cranberries around base, if desired. Makes about 8 cups

## FRUIT JUBILEE

- 1 16 oz. can of peach slices
- 1 16 oz. can of pear slices
- 1 8 oz. can of pineapple chunks
- 1 16 oz. can of pitted black cherries
- 2 medium size bananas
- 1/2 cup slivered toasted almonds
- Lemon juice
- 2 doz. medium size almond or coconut macaroon cookies
- Brown sugar
- 1/2 cup margarine (1 stick)

Drain all canned fruit and set fruit juice aside. Place fruit in mixing bowl. Slice bananas, sprinkle with lemon juice and mix with fruit. In another bowl, crumble macaroons. Using a 2-qt. baking dish, layer half of the fruit mixture in bottom of baking dish. Cover with half of the crumbled macaroon cookies, dot with half stick of margarine, sprinkle with brown sugar and 1/2 cup of slivered almonds. Repeat layers. Pour 1/2 cup of drained fruit juice over layers. Bake at 325 degrees for 40 minutes. Makes 6 to 8 servings.

