

Illinois Valley Electric Cooperative

*****Available options and programs*****

IVEC members . . . Did you know?

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.

***** Featuring this month *****

Over 50 Reasons To Subscribe To Rural TV



Something new from
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With Rural TV, you get over 50 channels of entertainment for the whole family. Plus the latest movies, up-to-the-minute news, and college and professional sports; one-stop shopping for satellite TV equipment and financing; and lower overall *monthly* rates. But maybe the best reason of all to go with Rural TV is that it's provided by people you know, right here locally. We're your friends and neighbors — if you need us, we're *here*.

Rural TV satellite program subscription packages — Basic Service \$11.95 mo. — HBO \$7.95 mo.
— Cinemax & Disney \$14.95 mo. — other program selections available

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.5 cents kwh — \$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate — back-up heat for geothermal and dual energy "all-electric" systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only — \$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement with electric water heater timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency — ground source GTS
 - ★ better than gas furnace
 - ★ clean energy
 - ★ off-peak rate of 3.5¢ kwh with ETS secondary heating
 - ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 bonus for first four homes that install a geothermal system.
- Satellite television dish antenna systems — C-Band (24 channel) — Ku-Band (32 channel)
- Rural TV satellite program subscription packages — Basic Service \$11.95 mo. — HBO \$7.95 mo. — Cinemax & Disney \$14.95 mo. — other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August — \$40 total benefit — no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$11 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service — low monthly rates
- Six bill payment locations throughout IVEC's service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

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IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Emergencies — call toll-free 800-654-1088 — 24-hours a day

Your board of directors

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Bob Bergland

Small business is beautiful

The following is taken from testimony of Bob Bergland, executive vice president of the National Rural Electric Cooperative Association in Washington, D.C., which is made up of 1,000 consumer-owned rural electric systems in 46 states. Bergland testified before the House Small Business Subcommittee on Procurement, Tourism and Rural Development.

Rural electric systems not only provide electric power, but their unique status as cooperatives — businesses owned by those they serve — leads them to also meet unmet needs among their members.

As jobs in the agricultural economy disappeared, rural communities began to look for ways to keep jobs and people in rural areas.

Rural electric systems are involved in rural economic

development for two basic reasons:

1. A stable rural economy helps stabilize rural electric rates for consumers, thereby enabling rural electric systems to plan for and provide reliable, cost-efficient service; and
2. Rural electric systems are often one of the few organizations in rural communities with the kind of on-site expertise needed to assist and advance local development efforts.

Rural electric systems feel so strongly about rural economic growth that they have sought and obtained legislative changes to facilitate that growth. In 1988, the Rural Electrification Act was amended to allow rural electric systems to use their own private capital

to make investments in rural development projects. The Rural Electrification Act was also amended to establish a modest REA rural development loan program to provide small amounts of "seed capital" for local development projects.

The loans are used for a variety of rural area development purposes. Examples include small business incubators, expansions of existing businesses, water and waste extensions for rural businesses and a host of other efforts — all geared primarily toward job creation in rural small businesses.

Small business is the key to keeping people in rural America — it is the addition and retention of five jobs here and ten jobs there that will keep rural areas strong, not the dream of large production plants moving into the community.

Mrs. Kenneth Gibson

Our philosophy is very plain and straightforward: We help local communities build on what's already there. If it's a mountain, trails and motels and ski lifts

are built. If it's a stream or lake, boat rides and guides and cabins and recreation are provided. If it's a natural landmark, it's promoted, protected and made accessible for people.

A vastly underrated prospect in rural America is tourism, and while rural electric systems might be criticized by some for serving so called "well-heeled" recreational and vacation areas, we maintain that development of local attractions is every bit as healthy and makes every bit as much economic sense as the attraction of other industry. After all, one of the cornerstones of economic development is "play to your strengths."

What better on which to capitalize than rural America's great beauty and the rest of America's great fascination with it? I'm convinced there's no better way to do just that than through rural small business development, where the resources stay in the local community and don't "fly" to distant investors.

IVEC members . . .



**Sepco Water Heaters . . .
The "Rolls Royce" of the industry
at a discounted price you can afford!**

Sepco Electric Water Heaters Feature:

- **Hydrastone Lining**
for the most effective method of preventing tank failure due to corrosion
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2 inches or 3 inches of high density insulation saves you money!
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at all water openings make it a more durable heater.
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Industry-unique hot water outlet pipe prevents heat from escaping.
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For continued savings tomorrow, choose a Sepco today! It's the heater with a heart of stone.

Low, Low Price . . .

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From your cooperative

Remember . . .

Should you need to replace your existing water heater, keep in mind that IVEC has 60-gallon and 80-gallon water heaters in stock ready for "pick up" at a very affordable price.

For more information, contact

**Illinois Valley Electric Cooperative, Inc.
Call Toll Free 800-654-1088 Ask for Member Services**

Control energy use

Holiday energy use plus the season's colder temperatures can cause electric bills to be higher.

If your holidays included company staying in your home or entertaining, you may have used more electricity last month than normal. More people in a home usually requires extra cooking, lighting, refrigeration, heating and hot water use.

And, of course, winter weather means more electricity is used in electrically heated homes because heating systems must run longer to keep homes at a set temperature.

The increased electricity usage from the holidays and from colder weather may have made your electric bill higher than last month's.

To keep electric bills as low as possible during the rest of the heating season, you need to be sure electricity is being used efficiently throughout your home.

First, since electricity use is weather-sensitive, your

home should be protected from the weather as much as possible.

Heat loss through the windows and cold air coming in around the windows can account for up to a third of your heating costs.

Winter weather protection

Caulking should be applied wherever two different materials or parts of the house meet. And weather-stripping needs to be around all doors and windows to keep them tightly sealed. If storm windows are not an affordable option, a polyethylene sheet covering the window will help reduce heat loss.

If necessary, add insulation in your home's ceiling and repair any leaks in your heating system's duct work.

Also, set your thermostat as low as you can without sacrificing comfort. 68 degrees is comfortable for most people. Each degree above 68 increases your operating cost approximately 5 percent.



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 11:30 a.m. on Tuesday, November 26, 1991, with all directors present. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved on:

1. A motion was made and approved to authorize the manager to attend an International Symposium on Distribution Automation and Demand Side Management Conference in January 1992.
2. The board approved having IVEC's attorney draw up a letter to Illinois Power regarding territories.
3. The board moved and approved the cooperative to send thank you letters to road commissioners and other people who have helped cooperative employees during the storms of 1991.
4. A request was made by the Princeton Chamber

of Commerce for IVEC to provide lighting for two signs along the interstate. A motion was made and approved for IVEC to furnish materials, labor and installation for lighting two signs along the interstate to promote business for the Princeton area. A monthly fee would be charged for both signs.

5. A motion was made and approved to renew membership in RECNET. RECNET is NRECA's televised training network and makes it possible for employees and board members to view educational programs.
6. It was moved and approved to accept Federated Rural Electric Insurance's bid for the year 1992.
7. The board approved accepting low bid from Wolf Builders of Princeton to provide handicapped accessibility for the headquarters building.

The next board meeting was scheduled for December 17, 1991, at 11 a.m. The board meeting scheduled for January will be January 28, 1992. The February board meeting will be February 27, 1992.

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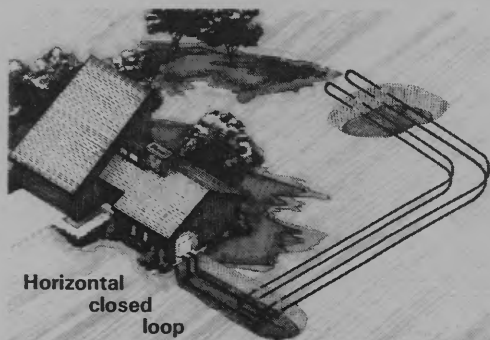
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IVEC members, now you can get maximum comfort, energy and cost savings from a system designed to use natural energy from the earth. Regardless of the temperature above ground, the WaterFurnace system provides a highly efficient comfort zone from the inexhaustible source below the ground!



What is a WaterFurnace system?

WaterFurnace is the safest, most-energy-efficient, pollution-free heating and cooling system available.

Basically it looks like a normal furnace, but that's where the similarity ends. Because it burns no fossil fuel, it emits no pollutants, thus, no chimney is required. Therefore, it can be installed almost anywhere, in a basement, crawlspace, attic or closet.

WaterFurnace is a complete home heating system.

In the summer, select the cooling mode on the thermostat and the WaterFurnace system is your complete home cooling center. WaterFurnace can also supply most of your domestic hot water requirements. Customers report savings up to 60 percent heating their homes. Cooling cost reductions of 50 percent are not uncommon.

How does it work?

Sized to individual requirements, lengths of plastic pipe are buried in the ground either vertically or horizontally, depending upon lot size.

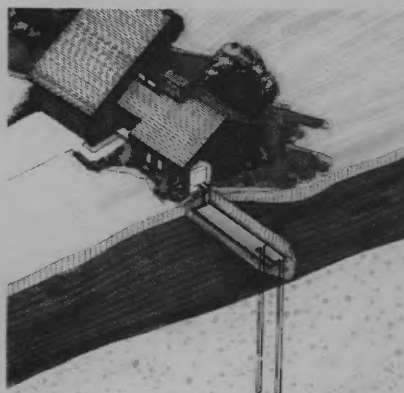
After installation, this sealed "loop" is filled with water and an anti-freeze solution. This assures a maintenance-free circulation system.

Warmed by the earth, incoming water in the loop is pumped to the WaterFurnace unit where heat is extracted in the heat exchanger. Liquid freon is vaporized by this heat, pressurized by the compressor, and pumped through the air coil at approximately 190 degrees F to 200 degrees F. Return air is forced through the coil by the blower and the subsequent warm air is distributed throughout your home in the normal manner, using a system of ducts.

In the summer, the system reverses the process, extracting heat from inside the building and discharging it to the ground loop and domestic water heater where the cooling cycle begins.

Because we are dealing with relatively constant ground temperatures, the WaterFurnace system has a three-to-one efficiency ratio, thereby realizing substantial energy savings.

Let the ground you walk on heat and cool your home!



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- Illinois Valley Electric will rebate \$75 per kw installed up to a maximum \$3,000.00 for the all-electric geothermal system.
- Additional bonus of \$1,500 to the first four homes that install a new geothermal system in 1992.
- Earn "off-peak" all-electric rate
- Ask about IVEC's off-peak rate of 3.5 cents/kwh for more savings combining geothermal heating with ETS secondary heating.



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- Call Illinois Valley Electric at toll free 800-654-1088 or the following WaterFurnace dealers
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(815) 646-4481
- Turczyn Heating and Air Conditioning
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Peru, IL 61354
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Toluca, IL 61369
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RESULTS VISIBLE OVERNIGHT!

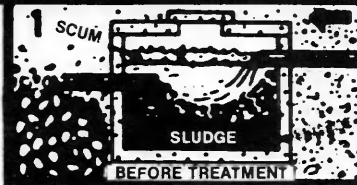
WHY SEPTIC TANKS BACK UP Septic tanks Clog, Backup and Smell because of household cleaners, which are great for dishes, laundry and floors, but kill good bacteria in your tank and cesspool that normally digest solid wastes, fats, greases and starches. Without this bacterial action solid waste builds up in your system. They overflow into and clog your drainfields, lines and back up into your tank, causing overflows and smells. Even pumping your tank will not clean out the pipes or drainfields, but **SEPTIPRO®** will!

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 liquifies 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.

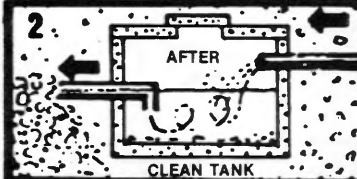
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I understand that SEPTIPRO® is fully guaranteed and if it does not do as claimed, I can return the unused portion within 30 days and get all my money back.

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5-Year Old, 1-2 Ft. Tall

Only \$1.95 ea.

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| 3 for \$5.75 | 6 for \$10.95 |
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N6172. Now you can purchase the ever-popular, ever-beautiful Colorado Blue Spruce (*Picea pungens glauca*) at this special low price — only \$1.95 each. These versatile Blue Spruce are lovely as single accent planting, as a privacy row or windbreak, and as a colorful corner grouping. Its rich silver-blue foliage makes it a welcome sight all year around. You'll receive select, nicely branched 5-year-old transplanted trees

that are at least 1 to 2 feet tall. Having been transplanted, the root system is well developed and will help the tree get off to a fast start. Order your Blue Spruce on the convenient coupon below. Send \$1.95 for 1, \$5.75 for 3, \$10.95 for 6, \$15.95 for 9, and 12 for \$19.95.

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| 3 Year Old 10 to 18 inch Size | |
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| Ill. Residents add 6½% Sales Tax. | TOTAL \$ _____ |

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If within one year of receipt of your order any plants do not live, just RETURN THE SHIPPING LABEL ONLY for a free replacement or purchase price refund, your choice. The WARRANTY IS VOID UNLESS THE SHIPPING LABEL IS RETURNED.

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“The problems that rural hospitals face in the 1990s are serious, but manageable.”

But if you're sick, you could be better off in a small town, notes the University of Kentucky expert, arguing that complication rates for minor surgery at rural hospitals are significantly lower than at urban facilities.

Indeed, everyone agrees that the rural health care delivery system is recuperating, and renewed support of the National Health Services Corps is one harbinger of recovery—albeit a

mild one. Support for the federal program placing health care providers in underserved spots had all but dried up in recent years, but in 1990 Congress upped the Corp's budget to \$91.7 million. Critics, though, point out that, given inflation, the gain amounted to less than half the 1980 funding level.

Such “incremental changes” aren't enough, contend rural health care advocates. Thus, faced with state and federal

spending cuts, small towns must formulate their own prescriptions. The way to begin, they say, is by supporting existing neighborhood facilities and ending the exodus of local health care dollars.

Declares Myers: “In places where the rural health care system has been put back on its feet, it's because the local community has taken charge.”

— **Rural Electric News Service**

Winchester

(Continued from page 7)

something old must be included, too: small rural hospitals.

“The perception that the rural health care system is failing must be turned around,” she said, adding, “The problems that rural hospitals face in the 1990s are serious, but manageable.”

She added that it is important for hospitals to regain the support of younger community members. “Many young adults, when interviewed, will say

they're supportive of the local rural hospital,” she says, “but when they need treatment, they head for the city, even for problems that the small hospital is perfectly capable of dealing with.”

Rural hospitals need to diversify in ways that were undreamed of just a generation ago, too, she adds. “Many small rural hospitals offer long-term health care, health promotion, rehabilitation, alcoholism and chemical dependency treatment, and more. Some have sports medicine clinics or physi-

cal fitness centers.

“Others, she adds, have gone into less traditional sidelines, mostly involving the use of laundries and kitchens that would be underutilized otherwise. “There's one hospital where the cafeteria is the best restaurant in town. It offers a salad bar and such specials as Mexican night, Italian night and Sunday brunch. Another offers full service catering. Others do the local motel's laundry when their equipment isn't being used for hospital laundry. There are a lot of other options, too.”

SIU

(Continued from page 7)

you are conveying a sense of need and a sense of welcome to young physicians. A large measure of success goes back to how well the community is organized.”

Record stresses that there are other options than finding a full-fledged doctor.

“Nurse practitioners and physician assistants should do nicely for many rural communities. Both have to work under a doctor's supervision, although that doesn't mean they have to work in the same building or even the same town.”

He added that it has been a practice, occasionally, for a community to make a commitment to a medical student to help fund

student's education, in exchange for the student's commitment to return and practice there for a certain length of time, Record said, and that might be an option for some.

“There are pitfalls to that practice,” he warned, “because you can't compel somebody to come back, and even if you do, you're going to have an unhappy person on your hands. Even so, it offers the opportunity to try to ‘grow your own’.”

Record suggested that a similar practice might be an option for a community that has a nurse who might be willing to return to school, but who lacks the funding. “That might offer an option to a community that is willing to provide some financial assistance, but that doesn't want to commit itself to fund a doctor's education,” he said.

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*** Featuring this month ***



Two-way mobile or portable radio system featuring a 800-MHZ frequency trunking capability

- ★ For as little as \$7.00 per month
- ★ Optional mobile or portable telephone service available
- ★ Wide area coverage available
- ★ Motorola communications equipment

Look over this list and find the programs that fit your needs and call us.

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by Tim (Kris)
Christensen
General Manager

Across the manager's desk



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Route 6 & 34 West
Princeton, Illinois 61356

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Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, Vincent Fredrickson, Victoria, District 9; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; John Kneuppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; John Scott, Neponset, District 8; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.

Rural America needs common sense, not funny numbers

The nation's electric cooperatives have more than a half-century of service and commitment to rural America. It takes nearly half the nation's poles and power lines strung across 70 percent of the land mass to serve 10 percent of the population. The result is an average of only four to five families for each mile of power line.

In the 1930s and 1940s, providing electric service to such thinly populated areas was essentially left to the consumer-owned electric cooperatives. When no one else would help, the people took it upon themselves to bring electricity into the countryside.

Your cooperative, Illinois Valley Electric, provides electric service over 1,744 miles of line in eight counties and 80 townships in basically rural areas. An analysis of our operating ratios indicates an average of three member-consumers being served per mile of line.

Even with insured and guaranteed loan programs funded through the Rural Electrification Administration to help ease the financial burden of serving those rural areas, it still costs approximately 12 percent more

to provide electric service in rural areas compared to urban areas.

Common sense says look at the facts.

Opponents of the rural electrification program have been around since the beginning. They usually use the same worn-out arguments as they did more than 50 years ago. Today loan funds for America's rural electric systems do not come from taxpayer dollars but from principal and interest repayments on old loans and from the nation's money markets through loan guarantees. So-called "savings" from suggested cuts in rural electric loan funds are funny numbers that would not reduce the federal budget or deficit.

Rural electrification is an ongoing success story that benefits all Americans by providing reliable, affordable electric service to more than 25 million rural people. Cutting the loan programs vital to rural electric cooperatives would do nothing to further our country's economic goals but would increase the cost of electric service in rural areas.

Is that common sense? We don't think so.

Toby Hodges

IVEC sponsoring youth trips

Illinois Valley Electric Cooperative is again sponsoring its Youth to Washington, D.C., and Youth to Springfield programs this spring. Because IVEC wants to encourage high school students to learn more about government and their role in it, the cooperative is providing a select group of student leaders with a chance to get an up-close look at their government.

Illinois Valley Electric and its sister cooperatives across the state have sponsored these programs for 32 years to introduce students to government and the political process. Today, many "alumni" of these programs work in state or federal government or have gone on to serve as elected officials. Two current members of the Illinois General Assembly are "alumni" of our programs.

In addition the students will tour the historic sites of Springfield during the day.

IVEC will sponsor two sophomore or junior students from each high school in its service area on an all-expense paid bus trip to Springfield on Wednesday,

April 29. Governor Jim Edgar has declared April 29 as Illinois Rural Electric Youth Day. During the day students and their counterparts from other Illinois high schools will meet their elected senators and representatives at the Capitol and learn first-hand about the workings of state government. Lt. Governor Bob Kustra has been invited to speak with the students at a special luncheon, and the group also hopes to meet with Governor Edgar.

Illinois Valley will also sponsor four of these students on a week-long, all-expense paid trip to Washington, D.C., on June 12-19. During the week in the nation's capital the Illinois student contingent will meet with senators Alan Dixon and Paul Simon, Representatives Lane Evans and Dennis Hastert and will tour the many sites of Washington, D.C. IVEC's four Youth to Washington representatives will be selected from the contingent that tours Springfield on April 29.

Students interested in more information about the program should contact their high school principal.

Heat/cool
with
electricity

System:GT[®]

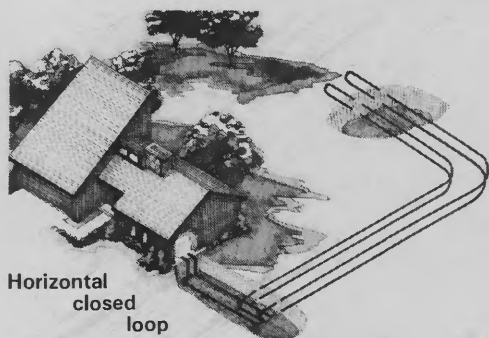
Geothermal heating, cooling and water heating

Heat/cool
with
electricity

Heat and cool with 300% efficiency

IVEC members, now you can get maximum comfort, energy and cost savings from a system designed to use natural energy from the earth.

Better than the Best Gas Furnace!



Horizontal
closed
loop

What is a Geothermal system?

Geothermal is the safest, most-energy-efficient, pollution-free heating and cooling system available.

Basically it looks like a normal furnace, but that's where the similarity ends. Because it burns no fossil fuel, it emits no pollutants, thus, no chimney is required. Therefore, it can be installed almost anywhere, in a basement, crawlspace, attic or closet.

Geothermal is a complete home heating system.

In the summer, select the cooling mode on the thermostat and the geothermal system is your complete home cooling center. Geothermal can also supply most of your domestic hot water requirements. Customers report savings up to 60 percent heating their homes. Cooling cost reductions of 50 percent are not uncommon.

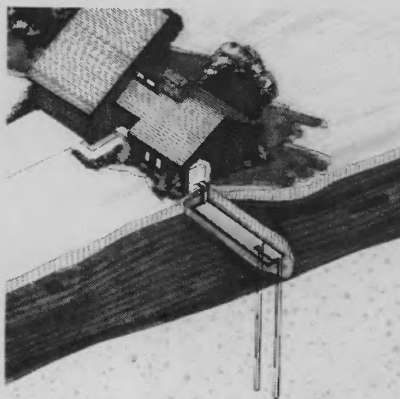
How does it work?

Sized to individual requirements, lengths of plastic pipe are buried in the ground either vertically or horizontally, depending upon lot size.

After installation, this sealed "loop" is filled with water and an anti-freeze solution. This assures a maintenance-free circulation system.

Warmed by the earth, incoming water in the loop is pumped to the geothermal unit where heat is extracted in the heat exchanger. Liquid freon is vaporized by this heat, pressurized by the compressor, and pumped through the air coil at approximately 190 degrees F to 200 degrees F. Return air is forced through the coil by the blower and the subsequent warm air is distributed throughout your home in the normal manner, using a system of ducts.

In the summer, the system reverses the process, extracting



Vertical closed loop

heat from inside the building and discharging it to the ground loop and domestic water heater where the cooling cycle begins.

Because we are dealing with relatively constant ground temperatures, the geothermal system has a three-to-one efficiency ratio, thereby realizing substantial energy savings.

Let the ground you walk on heat and cool your home!

Cash rebates

- Illinois Valley Electric will rebate \$75 per kw installed up to a maximum \$3,000.00 for the all-electric geothermal system.
- Additional bonus of \$1,500 to the first six homes that install a new geothermal system in 1992.
- Ask about IVEC's off-peak rate of 3.5 cents/kwh for more savings combining geothermal heating with ETS secondary heating.

WE WILL HELP YOU WATCH YOUR FIGURE.

You'll think your energy bill is on a crash diet. But reduced energy costs are common with a geothermal system.

- ☆ Economical
- ☆ Safe
- ☆ Clean
- ☆ Competitive

For more details

- Call Illinois Valley Electric at toll free 800-654-1088 or the following WaterFurnace dealers
- Philhower Electric Plumbing & Heating
Main Street
Tiskilwa, IL 61368
(815) 646-4481
- Turczyn Heating and Air Conditioning
1328 Pulaski Street
Peru, IL 61354
(815) 223-0715
- Energy Specialists Co.
224 N. Main Street
Toluca, IL 61369
(800)782-7491

Attention: IVEC members!!!

SATELLITE TV Gives You CHOICE



Complete Satellite television systems installed by IVEC!

Check this low installation price!!!!

Special Price (C Band-24 Channel)	\$1,480.00
Sales Tax	\$ 92.50
Equipment Price + Tax \$1,572.50	
Installation	\$ 425.00
Total Price	\$1,997.50

Uniden UST 4400 Integrated Receiver/Descrambler.

Built-in antenna controller—programmable with plenty of memory for future satellites.

Built-in TI filter—assures clear reception under extreme microwave interference.

C and Ku capable—with 24 channel readout for C band and 32 channel readout for Ku band.

TV program subscriptions by IVEC

If you're a satellite dish owner, you have probably experienced the frustrations of scrambled channels, something that many stations have been allowed to do the last few years.

A variety of Rural TV programming options might be the answer to your satellite dish problems.

In August 1986, the National Rural Electric Cooperative Association (NRECA) formed a subsidiary — National Rural Telecommunications Cooperative (NRTC). The purpose of NRTC is to make satellite programming available to rural residents through their electric and telephone cooperatives.

Illinois Valley Electric can now provide programming to its members at a low monthly cost — same service that cable TV offers in towns and cities.

Remember, you need a satellite dish and receiver in order to use the Rural TV programming. (Please call us on "toll free" 800-654-1088 for more information or ordering.)

uniden®
Satellite Television Systems



Full one-year warranty on every satellite component

**Call toll free
1-800-654-1088**

**Ask for a Member
Services Representative**

* * * Program subscriptions and pricing * * *

BASIC SERVICE \$11.95 MO

CNN
HEADLINE NEWS
ESPN
USA
NICKELODEON
CBN
WGN
WPIX
KTVT
LIFETIME
WEATHER CHANNEL
NASHVILLE NETWORK
WTBS

ALSO PART OF BASIC SERVICE WHEN SCRAMBLED AT LATER DATE:

DISCOVERY
NOSTALGIA CHANNEL
LEARNING CHANNEL
COUNTRY MUSIC TV
TRAVEL CHANNEL

BASIC + A&E (ARTS & ENTERTAINMENT CHANNEL) \$12.45 MO

TIERED CHANNELS: (ABC, NBC, CBS) PRIME TIME 24 \$4.00 MO

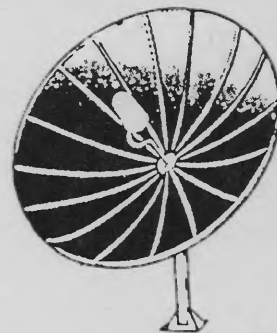
SKYLINE SILVER: \$3.00 MO
WWOR (METS)
WSBK (BOSTON RED SOX)
KTLA (LOS ANGELES ANGELS)

WTBS: (ONLY) — DO NOT WANT BASIC PACKAGE \$1.75 MO

STARDUST THEATRE \$5.50 MO

STARION PREMIER THEATRE . \$9.95 MO

HBO — CINEMAX — DISNEY — SHOWTIME ANY ONE OF THE ABOVE
FOUR \$7.95 MO
ANY TWO OF THE ABOVE
FOUR \$14.95 MO
ANY THREE OF THE ABOVE
FOUR \$20.95 MO
ALL FOUR \$25.95 MO



INITIAL SET UP CHARGE (ONE TIME FEE): \$10.00
TO CHANGE SERVICE SUBSCRIBED TO: \$5.00
ADDRESS CHANGES: \$1.00
REHIT CHARGE \$5.50

Refrigerator economics

Studies at Purdue University and by Whirlpool Corporation have discovered that the number of times a day a refrigerator door is opened has little bearing on the amount of electricity used.

Researchers measured the energy use of a typical refrigerator at different rates of door openings. The measurements spanned a range of 0-80 door openings per day. Whirlpool discovered that the average number is about 45 but a family of six may have over 100.

The studies determined that the number of door openings has a relatively modest effect on overall energy use. The extreme case of shifting from zero openings to 80 openings per day increased the use of electricity by about 25 percent.

Most of the energy is consumed in overcoming heat gain through the walls of the appliance and in operating the automatic defrost feature. This explains why a member's usage (and bill) will not fall dramatically during the summer when the family is on vacation and the house is empty. Without air conditioning, the heat build-up in the house will force the refrigerator (and the freezer) to operate many more

hours than normal. We stress regular cleaning of the gasket on the door and of the frame where the gasket makes contact. A void caused by food particles or dirt buildup creates an opening for the exit of cold air from the refrigerator and a consequent extended running time for the compressor to overcome the loss. And, of course, cleaning the cooling coil often to increase the efficiency of the unit is still good practice.

The conclusion is that, once a refrigerator is purchased, little can be done to reduce its energy consumption—so, when purchasing a refrigerator, choose very carefully for the most efficient model. Then keep it clean.

Is this your account number?

0002242502

You could be a prize winner! If your name appears in this center section, mixed in with copy, call

Toll-free — 800-654-1088

If you depend on life-support equipment, we need to know

While Illinois Valley Electric Cooperative strives to maintain the best possible service with a minimum of outage time, occasional outages, either planned or uncontrolled, do occur.

Your cooperative needs to know the names and location of cooperative members who depend on life-support equipment. We keep a registry of members on life-support equipment, and it is

important that this information be current and accurate. We will make every effort to give priority to restore service to members on life-support systems.

If you or a member of your family depend on life-support equipment, please fill out the form below and mail to us as quickly as possible.

Name _____
Phone no. _____
Address _____
Location no. _____ Account no. _____
Type of support equipment _____
Days of use _____
Time of use _____
Name of doctor _____ Address _____

Do you have an emergency stand-by generator to operate this equipment?

____ YES ____ NO

Mail this to: Illinois Valley Electric Cooperative, ATTN: Life Support Registry, P.O. Box 70, Princeton, IL 61356



Two-Way Radio and Telephone Service

Offering Area
Wide Coverage

Reach your people —
in the field or on the road.

Offering Motorola
quality products

The Radio System Offers the Following Specifications

- ★ The 800 MHZ Frequency Trunking System "pools" several radio channels so that all users in a given area have automatic access to any free channel — privacy — no fade area.

All features for as little as \$7.00 per month.

Optional Telephone Interconnect

- ★ If your mobile radio is equipped for telephone, by merely pushing the phone button, your portable or mobile radio connects you to a commercial telephone line. After the dial tone is heard, your radio "becomes" a telephone.

This feature for as little as \$11.45 per month.

Call Toll Free 800-654-1088 — Ask for Member Services



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 11:30 a.m. on Tuesday, December 17, 1991, with all directors present. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved

on:

1. A motion was made and approved to accept a labor agreement with the outside employees pending ratification of the contract.
2. A motion was made and approved to authorize the 1990 Accounts Receivable Write Offs.
3. A motion was made and approved to give the National Rural Telecommunications Cooperative a five-year extension on dues.
4. Illinois Youth Day and the Washington Tour was discussed. A motion was made and approved to participate in the Illinois Youth Day and Washington Tour for the year 1992.
5. A motion was made and approved to accept the 1992 budget for Illinois Valley Electric recognizing a small deficit is indicated and the actual experience will be monitored on a monthly basis.

The next board meeting was scheduled for January 28, 1992, at 11 a.m. The February board meeting will be held on February 27. The March meeting has been scheduled for the 24th. Both meetings will be at 11 a.m.

Statement of nondiscrimination

(Illinois Valley Electric Cooperative, Inc., Princeton, Illinois) is the recipient of federal financial assistance from the Rural Electrification Administration, an agency of the U.S. Department of Agriculture, and is subject to the provisions of Title VI of the Civil Rights Act of 1964, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Age Discrimination Act of 1975, as amended, and the rules and regulations of the U.S. Department of Agriculture which provide that no person in the United States on the basis of race, color, national origin, age or handicap shall be excluded from participation in, admission or access to, denied the benefits of, or otherwise be subjected to discrimination under any of this organization's programs or activities.

The person responsible for coordinating this organization's nondiscrimination compliance efforts is T.L. Christensen, General Manager. Any individual, or specific class of individuals, who feels that this organization has subjected them to discrimination may obtain further information about the statutes and regulations listed above from and/or file a written complaint with this organization; or the Secretary, U.S. Department of Agriculture, Washington, D.C. 20250, or the Administrator, Rural Electrification Administration, Washington, D.C. 20250. Complaints must be filed within 180 days after the alleged discrimination. Confidentiality will be maintained to the extent possible.

BRIEFLY

News items of interest to members of Illinois electric cooperatives

Rural elderly have high health costs

Elderly people living in rural America have far less income than their urban counterparts and are more likely to have health problems, analysts say. In addition, rural residents often find a narrower range of health services are available than in cities. The cost of providing care, however, can be higher because of the distances involved and low population density. About one-fourth of the U.S. population, including 12 percent of the elderly, live in rural areas. Fifteen percent of the rural elderly are poor. "The income of rural older households was 75 percent that of their urban counterparts," F.N. Schwenk of the Agricultural Research Service said. A 1989 survey by the Census Bureau found an average pre-tax income of \$15,367 a year for rural households composed of the elderly. In cities, the average was \$20,422. Rural elderly spent less in most major areas — housing, food and transportation — but slightly more on health expenditures. A key reason, Schwenk said, was possibly a reflection that rural people often were self-employed or worked for small firms that did not offer health benefits.

Hundreds take advantage of WWCEC Christmas tree chipping offer

With the realization that disposing of Christmas trees can be a real problem, Wayne-White Counties Electric Cooperative offered to dispose of trees in its service area as a public service. The cooperative issued a news release to the effect that trees would be chipped in Wayne City, McLeansboro, Carmi and Albion. Some 450 area residents dropped off their trees, and others indicated that they would have, too, if a site had been closer. "The service was well-received," notes Dale Warren, manager of WWCEC, "and we'll probably expand the program next year to include more locations." The chipper, which WWCEC uses in its routine tree-trimming operations, reduces a Christmas tree to a handful of mulch in a matter of seconds, and Warren notes that there were enough people who wanted the chips that disposal was no problem.

America to honor those who put food on our tables

The more than 20 million men and women who provide the food and fiber Americans use every day will be honored during National Agriculture Week March 15-21 and National Agriculture Day March 20. "Without a national observance, it is too easy to forget the importance of the American food and agriculture industry in our daily lives," says Bud Porter, chairman of the nationwide celebration. "We forget that our food and agriculture industry puts food on our table, clothes on our back and shelter over our heads each day." National Agriculture Day, National Agriculture Week and National Women in Agriculture Day (March 19) coincide with the beginning of spring when thousands of farmers across the country are preparing their fields for planting. The annual observance is designed to direct attention to the important contributions made by the food and agriculture industry. "For many Americans raised in the city, agriculture is as mysterious as a college level course in trigonometry," says Porter. "As a result, we have to help the public understand the challenges the industry faces in continuing to meet our food and fiber needs. We also must make them aware of the important stake they have in the future of our food and agriculture industry." For example, Porter says the food and agriculture industry represents nearly 16 percent of the Gross National Product and an estimated 21 million jobs (or 17 percent of the total national work force). Yet approximately 90 percent of the industry's jobs are off the farm. According to Porter, this means that Americans don't have to live on a farm to have their livelihood depend on agriculture. In fact he says a large segment of the population depends on agriculture but have never been on a farm: from the assembly worker building tractors to the people in food processing and retailing, railroads and other transportation. "Not many people are really aware of the connection — they see themselves as totally removed from agriculture, not realizing that their economic well-being as well as their daily sustenance is interwoven with our food and agriculture industry." Porter is director of sales branches at Deere & Company in Moline. He is a board member of the Agriculture Council of America (ACA), the national coordinator of National Agriculture Day.

Watts

Behind Illinois

The electricity provided by the electric cooperatives of Illinois is the power behind the state's top industry — agriculture. It's an industry with far-reaching ties to such diverse businesses as food processing and retailing, railroads and trucking, marketing, scientific research, and farm equipment and supplies. More than 500,000 people in 86 Illinois counties depend on their electric cooperative to keep their homes comfortable and secure, and to keep their farms and businesses operating.

National Agriculture Week is March 15-21

National Agriculture Day is March 20

Electric Cooperatives of Illinois



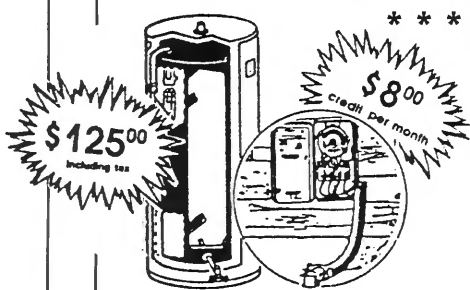
Good for ALL Illinois

Illinois Valley Electric Cooperative

*****Available options and programs*****

IVEC members . . . Did you know?

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.



*****Featuring this month*****

High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only – \$125 rebate if controlled by timer clock plus \$8 per month credit on electric bill

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.5 cents kwh – \$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate – back-up heat for geothermal and dual energy "all-electric" systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only – \$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement with electric water heater timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency – ground source GTS
 - ★ better than gas furnace
 - ★ clean energy
 - ★ off-peak rate of 3.5¢ kwh with ETS secondary heating
 - ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems – C-Band (24 channel) – Ku-Band (32 channel)
- Rural TV satellite program subscription packages – Basic Service \$11.95 mo. – HBO \$7.95 mo. – Cinemax & Disney \$14.95 mo. – other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August – \$40 total benefit – no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$11 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service – low monthly rates
- Six bill payment locations throughout IVEC's service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail in this month's REN issue. If you want more information about the above programs, contact Illinois Valley Electric's Member Services Department at toll-free 800-654-1088.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088
Emergencies — call toll-free 800-654-1088 — 24-hours a day

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, Vincent Fredrickson, Victoria, District 9; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; John Knueppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; John Scott, Neponset, District 8; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.

Ralph Martin ends 45-year IVEC career

One of Illinois Valley's outstanding employees — Ralph Martin — has closed out a career of service that spanned 45 years and included six decades. At the time of his retirement, Ralph was maintenance foreman including responsibilities for substation inspection.

Ralph was scheduled to retire early in February, but decided on the fourteenth. According to Ralph, that date had sentimental value: his parents' wedding anniversary, and he entered the Masonic Lodge on the fourteenth.

Ralph's 45 years of employment with IVEC started on May 17, 1947. The office was located in Princeton's old downtown south of May's Cigar Store. At that time the line trucks were parked about a block away at Dingy's Mobil Oil Station.

He also recalls in those first days that IVEC had 10 men, six trucks, one pole trailer and one small trailer that always was losing wheels. Substations included a step-up transformer at Utica, south of the Illinois River and one at Granville, the Victoria Metering Point, Wedron and Mineral. The Mineral Substation furnished electric power from the Johnson Sauk Trails park area to three miles southeast of Malden. He also noted that the Mineral station provided power to areas north of Bishop Hill.

Ralph says 1958 was a great year. This is when the materials and trucks were moved to the new headquarters building at its present site. Many improvements and changes have developed through the years. He has worked for five managers and 14 superintendents.

Ralph and his wife, Nellie, have no shortage of retirement plans. They've already traveled to Idaho and Georgia. Coming up, she says, are trips to Canada for fishing, to Hilton Head, S.C., and California.

He won't get bored when he isn't traveling. Ralph has a long list of hobby and recreational activities, including waterfowl carving, wood-working, fishing, hunting, and gardening. He also

enjoys walking every day, as well as biking and camping. His not-quite-so-active pursuits include weather predicting, advising co-workers on investments and being a Cubs and Bears fan.



Martin

Ralph has a family to help keep him busy, too. He and Nellie have three children, three grandchildren and three step grandchildren, with

another grandchild due any time.

Before he came to work for IVEC, Ralph worked on the railroad when he was young.

Born and raised in Bureau, he also spent time as a youngster working at his parents' hunting and fishing club as a "pusher." That was a person who helped hunters by pushing a boat or running an outboard motor through the backwaters of the Illinois River.

What will he enjoy most about retirement? Maybe it will be that he gets to relax and sleep through storms.

Thanks Ralph for all the years of dedicated service. Your humor and gentle manner will be missed.

**Is this your account number?
0001388000**

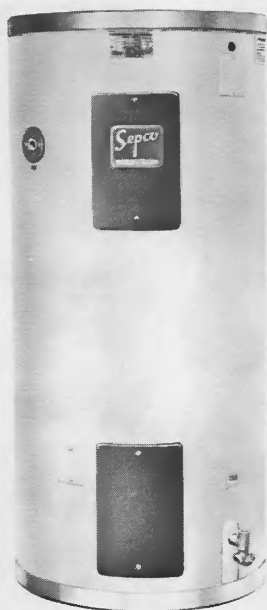
You could be a prize winner! If your name appears in this center section, mixed in with copy, call

Toll-free — 800-654-1088

IVEC members . . .

- ★ save on the cost of a new electric 60- or 80-gallon water heater.
- ★ earn credit on your monthly bill.

Purchase a new SEPCO energy efficient water heater from IVEC



You Can Heat electrically and . . .

● earn monthly credit with a timer switch \$8.00

Low, Low Price . . .

\$125.00

From your cooperative

Need a new water heater?

Should you need to replace your existing water heater, keep in mind that IVEC has 60-gallon and 80-gallon water heaters available for \$125.00 to members only. If the timer clock is installed, the \$125.00 will be rebated to you after 30 days.

IVEC members . . . Do you have an electric water heater?

If you do, you should consider installing a "timer clock" provided by Illinois Valley Electric to receive an \$8.00 per month credit. This is a guaranteed savings that totals \$96.00 per year.

No obligation. For details, call our Member Services Department toll-free 800-654-1088.

MEMBER SERVICES

Waterlogged pumps can produce high electric bills

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

It is necessary to have a cushion of air above the water. The air is compressed as water is pumped into the tank and expands as water is withdrawn. The larger the air cushion, the more water the tank can deliver between any given extremes of

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

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

Manufacturers have devised various solutions

IVEC members . . .

Enhance Your Communications!!!

Portable or mobile radio and telephone service

from

Illinois Valley Electric Cooperative

Route 6 & 34 West

Princeton, Illinois 61356



Providing

MOTOROLA

COMMUNICATION PRODUCTS

Whether you need to stay in touch with one person or a fleet of trucks, Illinois Valley Electric can provide the right communication service for you.

Call Toll Free 800-654-1088 for more information.

The Radio System features the following specifications:

- ★ The 800 MHZ Frequency Trunking System "pools" several radio channels so that all users in a given area have automatic access to any free channel.
- ★ You have immediate access to all available frequencies.
- ★ A trunked system provides added privacy to conversations.
- ★ Interruptions from outside conversations are almost impossible.
- ★ Operation is simple: After the volume level is set, the push talk button is the only control needed.

All these features for as little as \$7.00 per month.

Optional Telephone Interconnect

- ★ If your mobile radio is equipped for telephone, by merely the push of the phone button, your mobile radio connects you to a commercial telephone line. After the dial tone is heard, your mobile radio "becomes" a telephone.

This feature for as little as \$11.45 per month.

to this problem. One is to have an air valve controlled by a float inside the pressure tank. When the water level in the tank rises too high, the float opens an air valve and permits the pump to "sniff" the air, which is carried into the tank with the water. Should the valve core begin to leak, do not replace it with an auto tire valve core. The auto valve core has a much stronger spring and the pump cannot suck air through water.

Humidifiers need care, too

Just as with any other appliance, humidifiers need regular maintenance to keep them running efficiently and to prevent bad odors.

When the heating season is here, you'll want to plan on keeping the humidifier clean. The filter pad may need to be replaced. Or perhaps, a good

cleaning will make it last awhile longer. By gently squeezing a mild solution of water and vinegar through the pad, mineral deposits and dust will be washed away.

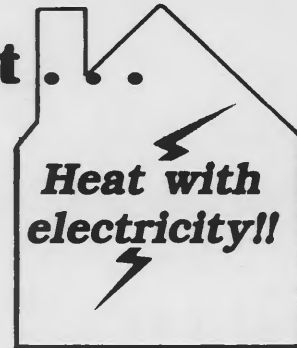
As water evaporates, residue will be left in the water reservoir. Scrub the inside of the tub with a mild detergent. This discourages growth of mold, mildew and bacteria. When the reservoir is refilled during the heating season, add a teaspoon of chlorine bleach or humidifier water treatment.

Also, dust the grill and wipe the cabinet with a soft cloth. In addition to cleaning the appliance routinely during the heating season, the Association of Home Appliance Manufacturers recommends the unit be cleaned thoroughly before the summer storage time. Check the owner's manual for complete instructions.

Heat electrically at low cost . . .

IVEC Members . . .

You can heat your home for 3.5¢ per kilowatt-hour!



If you have or will have electric heat installed in your home, ask us about supplemental electric thermal storage (ETS) heating, available through Illinois Valley Electric. You can lower peak demand and provide savings for yourself and all cooperative members.

Join the Dual Source Heat Program and qualify for the 3.5¢ per kilowatt-hour rate. At times of peak electrical use, when your primary electric heat source is automatically switched off for a short period, the ETS unit is the secondary source of warmth.

Also, rebates of \$75.00 per KW installed up to \$3,000.00 for all-electric installations are offered when you purchase the ETS unit. You can take advantage of the low Dual Electric Heat Rate when you control your primary electric heat at certain times during December, January and February.

With an ETS heater, your all-electric home can have a secondary electric heat source. And, it's less expensive than other secondary sources, such as gas or fuel oil furnaces.

ETS heating is most suited for members who have existing electric baseboard, ceiling cable electric heating, electric furnace or heat pump. The ETS unit contains ceramic bricks which have high heat retention characteristics. The bricks are placed around electric heating elements that will operate on off-peak times.

Our Dual Source Heating Program also combines using primary electric heat with a fossil fuel backup. A \$400.00 maximum rebate qualifies for this option and you can heat at the 3.5¢ per kilowatt-hour rate.

This special off-peak dual heat rate is based on a differential from the Schedule A "end block" rate. The differential will always be in place allowing electric heat to be a competitive energy source.

Contact the Member Services Department at Illinois Valley Electric for more details at toll free 800-654-1088.



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 11:30 a.m. on Tuesday, January 28, 1992, with all directors present except Ralph Freebairn. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective

departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved on:

1. A motion was made and approved to authorize the manager and attorney to meet with REA and CFC regarding an emergency loan.
2. A motion was made and approved to have the staff review all rates and bring the results to the board at a later date.
3. A motion was made and approved to participate in the Illinois Market Survey done by Sangamon State University.
4. A motion was made and approved to contribute to the Architects of Rural Progress's 50th edition.

The next board meeting is scheduled for February 27, 1992, at 11 a.m. The March board meeting will be held on March 24, 1992. The April board meeting is scheduled for the 28th at 11 a.m.

Illinois Valley Electric Cooperative

Put a little security in your night!

Sign up today for a rental security light and no maintenance headaches

Rent a light from IVEC!!!

Here's an excellent opportunity for less than \$11.00 per month!

Clip and mail to: Illinois Valley Electric Cooperative, Inc.

Attention: Security Light

P.O. Box 70 Princeton, IL 61356

or call toll free 1-800-654-1088

Name _____ Date _____

Address _____

(RR # and Box #)

(City)

(Zip Code)

Home Phone _____ Work Phone _____

Location Number _____ Account Number _____

(Listed on your bill)

(Listed on your bill)

Security Light Installation: Meter Pole _____ Transformer Pole _____

Face the Light: South _____ West _____ North _____ East _____

I would like Illinois Valley Electric Cooperative to install a new 100-watt high-pressure sodium vapor security light at the above location for a period of one year. Service will continue at the end of the time period unless either party gives written notice for discontinuance. IVEC will install, service, maintain and provide electricity to operate the light from dusk to dawn. I agree to pay the rental charge for the light per month after installation. I understand the security light remains the property of IVEC.

Member Signature _____

Robert C. Imler

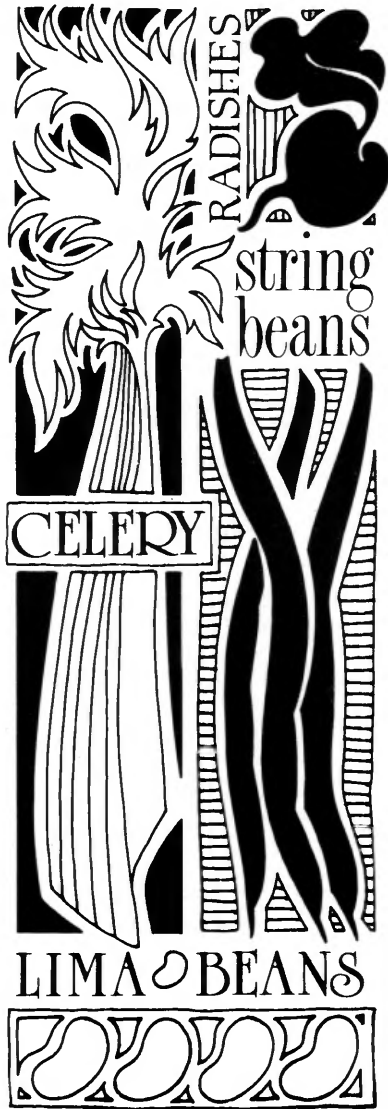
Quarterly operating statement

Report for January 1 to December 31, 1991

Account Description	1990	1991	Statistics and Revenue Data	1990	1991
Operating Revenue and Patronage Capital ..	\$7,132,742	\$7,627,221	Number Connected Consumers	54	83
Cost of Purchased Power	4,387,146	4,683,080	Average KWH Used	11,620	11,789
Distribution Expense—Operation	231,724	257,838	Average Bill	\$1,299	\$1,363
Distribution Expense—Maintenance	507,969	486,794	No. KWH Purchased	70,386,820	72,894,837
Consumer Accounts Expense	208,812	199,821	No. KWH Sold & Used by Co-op	63,994,901	66,187,467
Customer Service and			Line Loss Percent	9.1%	9.2%
Informational Expense	141,064	161,081	Cost Per KWH Purchased	6.23¢	6.42¢
Administrative & General Expense	519,676	536,855	Cost Per KWH Delivered	11.60¢	11.85¢
Operation & Maintenance Expense	5,996,391	6,325,469	Member Cost Per KWH	11.18¢	11.56¢
Depreciation & Amortization Expense	90,959	128,098	Miles Energized	1,743	1,744
Tax Expense—Property	44,118	42,427	Revenue Per Mile	\$4,092	\$4,373
Tax Expense—Other	81,456	77,381	Total Expense Per Mile	\$4,248	\$4,482
Interest on Long-Term Debt	1,205,081	1,244,950	Total Cooperative Payroll	\$1,117,099	\$1,137,560
Cost of Electric Service	7,418,005	7,818,325	Total Out-of-Pocket Direct Expenses		
Patronage Capital & Operating Margins ..	(285,263)	(191,104)	Reimbursed to Employees	\$2,978.95	\$3,989.46
Nonoperating Margins—Interest	113,178	86,341	Total Director Per Diem Days	227	252
Nonoperating Margins—Other	(25,107)	45,608	Total Director Per Diem Amount	\$17,075.00	\$18,900.00
Extraordinary Items	989	463	Total Out-of-Pocket Direct Expenses		
Patronage Capital or Margins	(196,203)	(58,692)	Reimbursed to Directors	\$8,218.34	\$11,045.12



Your health



According to the American Cancer Society, "Diet is suspected as an important cause of as much as 35 percent of all cancer deaths." Studies have shown that certain foods might actually help reduce risk for stomach, colon, breast and lung cancer.

Some of the vegetables and fruits that have been shown to protect against cancer are those high in vitamin C and vitamin A and vegetables called "cruciferous."

Good vitamin C sources are oranges, grapefruits, tomatoes, broccoli, potatoes and green and red peppers. For vitamin A eat peaches, strawberries, cantaloupe, spinach, carrots, sweet potatoes and tomatoes. The cruciferous vegetables are cabbage, cauliflower, broccoli and Brussels sprouts.

There are other ways to get your vitamins, too. There is evidence that drinking fresh vegetable and fruit juices, especially those called "organic" or pesticide-free, can help to combat against cancers. Low-fat dairy products (skim and 1 percent milk, low-fat cheese such as mozzarella and parmesan and yogurt), lean meats (tenderloin, flank steak, top and bottom round or lean veal), and high-fiber grains (add a little oat bran to your morning cereal) may help reduce cancer risks.

In your battle against cancer, avoid greasy foods, salt, smoked and nitrate-cured meats, tobacco — including smoking, chewing and snuff — and heavy alcohol consumption. Trim the fat off meat. Bake or broil instead of frying.

Finally, a word about fat. Some kinds of fats cause more problems than others. When shopping for cooking oils, look for monounsaturated and polyunsaturated oils such as corn, soybean, canola, olive oil or peanut oil. Stay away from butter and fried foods. So listen to Grandma and eat your vegetables. Then have fruit for dessert — and keep up the fight against cancer.

This article was prepared by Susan Eisendrath, a public health specialist for the National Rural Health Network, a subsidiary of the National Rural Electric Cooperative Association, NRECA is the Washington, D.C., service organization for the nation's 1,000 consumer-owned rural electric cooperatives.

Grandma was right

Remember when Grandma said, "No dessert until you finish eating your vegetables"? Those days may be gone but the message is still a good one, especially when it comes to fighting cancer.

DUCK!



That's the smart approach to power lines.

Now that the weather's nicer, you'll be out and about, fixing up your house or tending to the farm. Here's smart advice. Some of your projects may put you on the roof, others may have you moving tall poles or machinery. Sure, you know the power lines are there, but they may be closer than you think. Just remember to duck. Put some distance between the lines and yourself. TV antennas, grain augers, pool-cleaning poles and other objects are deadly when they come in contact with electricity. Look up and keep down near power lines. Get your jobs done safely.



Electric Cooperatives of Illinois

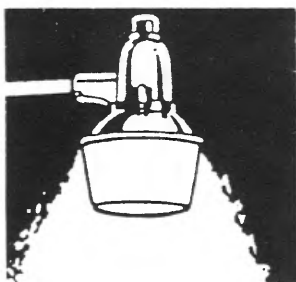
Good for ALL Illinois

Illinois Valley Electric Cooperative

*****Available options and programs*****

IVEC members . . . Did you know?

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.



*****Featuring this month*****

Security light rentals for approximately \$11 per month—call us for details

- ★ No maintenance headaches
- ★ Free installation and service
- ★ Automatic—no light switch

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.5 cents kwh—\$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate—back-up heat for geothermal and dual energy "all-electric" systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only—\$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement with electric water heater timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency—ground source GTS
 - ★ better than gas furnace
 - ★ clean energy
 - ★ off-peak rate of 3.5¢ kwh with ETS secondary heating
 - ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems—C-Band (24 channel)—Ku-Band (32 channel)
- Rural TV satellite program subscription packages—Basic Service \$11.95 mo.—HBO \$7.95 mo.—Cinemax & Disney \$14.95 mo.—other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August—\$40 total benefit—no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$11 per month
- EnergyTeller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service—low monthly rates
- Six bill payment locations throughout IVEC's service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail in this month's REN issue. If you want more information about the above programs, contact Illinois Valley Electric's Member Services Department at toll-free 800-654-1088.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Emergencies — call toll-free 800-654-1088 — 24-hours a day

Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, Vincent Fredrickson, Victoria, District 9; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; John Knueppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; John Scott, Neponset, District 8; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.

Load management can benefit IVEC members

... and help trim their cooperative's operating expenses.

In July of 1986, Illinois Valley Electric Cooperative introduced load management programs to its membership.

High efficiency water heaters were made available at a discounted price, timer clocks were furnished to control water heaters and a dual energy space heating concept allowed many members to enjoy competitive rates with other sources of energy. Special pricing, rebates and bonus packages, credits, and "off-peak" rates were available directly to participating members. Since the announcement of our initial programs, we have added all-electric and air-conditioner incentives to benefit IVEC members.

These load management programs have reduced IVEC's demand costs, which has helped stabilize electric rates.

As many of you are aware, peak demand occurs when members use the greatest amount of electricity during a 24-hour-day. The high cost of demand is a major factor in determining what IVEC will pay for power that it purchases to distribute to you. This wholesale power cost represents 62 percent of IVEC's total operating expenses. We are seeing results that show additional "off peak" kilowatt-hour sales and reduced power cost with the load management program.

We encourage those members who are not participating to call our Member Services Department for more details on each load management concept. You will be glad you did.

Each program offers a savings
you can count on . . .
Ask how to participate
for full benefit.
Call toll-free 800-654-1088

Marketing program listing

All electric geothermal heating and cooling systems

- Economical and affordable
- 300% efficiency
- Back-up ETS heating

3.5 cents kwh
Guaranteed off-peak heating rate
☆ Cash rebate — \$75.00 per KW
up to \$3,000.00 maximum
☆ Plus \$1,500.00 for first
6 geothermal homes installed
in 1992



Air conditioner load leveler

\$20.00 billing credit
for two summer months
For July and August
of each year



Dual energy space heating (fossil fuel back-up)

3.5 cents kwh
Guaranteed off-peak heating rate
Cash Rebate — \$75.00 per kw
up to \$400.00 maximum
Two sources of electric heat using
ETS is recommended over fossil fuel.



SEPCO high-efficiency 60- and 80-gallon water heaters

Sale price — \$125.00
☆ Pays for itself in energy savings
☆ 1-year warranty on parts and labor
☆ 10-year warranty provided on tank
☆ Rebate \$125 if timer clock is installed



Install a timer clock provided by IVEC on your water heater

\$8.00 credit
on your electric bill each month.
Total credit — \$96 per year
Time off requirements
6:00 a.m. to 8:00 a.m.
4:45 p.m. to 7:15 p.m.



Rental security light 100-watt H.P. sodium vapor

Under \$11.00 per month
● No maintenance headaches
● Free installation and service
● No additional kwh usage
● Automatic—No light switch
● No purchase cost of fixture



Richard Jordan

LOAD MANAGEMENT:

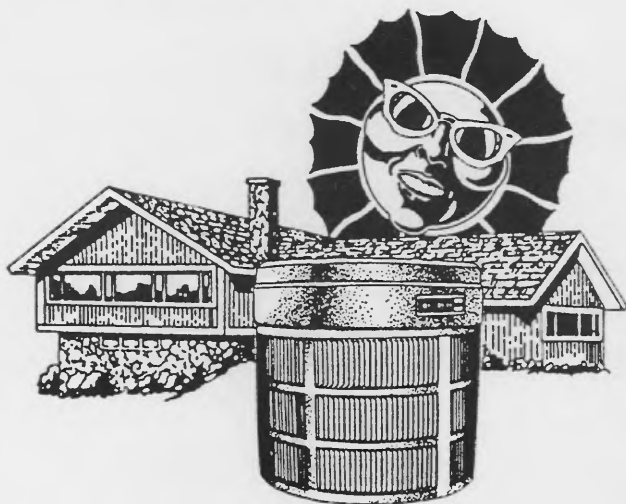
A way to level out peak electric use

IVEC members!!

Control air-conditioning costs with a "load leveler"

"Must have load leveler installed by June 30th for full benefit"

Enjoy the summer season and keep cooling costs economical with electricity. Help reduce summer peak demand and earn "credit" on your electric bill.



Save on
air conditioning
costs

\$20.00 credit for
months of July
and August

\$40.00

over two months

* * The Earned Credit * *

For the months of July and August only—if the member limits the hours of operation of the central air conditioner, the cooperative will issue a credit of not less than \$20.00 on the member's monthly electric bill. The load leveler device must be controlling the member's air conditioner for thirty (30) days before the credit can be applied. The \$20.00 monthly credit will be allowed only if a minimum 400 kilowatt-hour usage for each household is recorded. Contact Illinois Valley Electric's Member Services Department at toll free 1-800-654-1088 for more information.

MEMBER SERVICES

Low voltage

You are at home one evening when suddenly the lights blink a couple of times, then become very dim.

You are experiencing a low-voltage situation. Your appliances are not getting enough power to operate normally.

Our advice is to unplug or shut off those appliances that operate with motors and do not attempt to use them until the lights come back to full brilliance and remain so for at least 15 minutes.

Low voltage . . . will not damage

Lights
Stoves
Toasters
Water heaters

may damage

Air conditioners
Furnaces
Computers
Hair dryers
Compactors
Pumps
Dishwashers
Refrigerators
Disposals
TVs
Dryers
VCRs
Freezers
Washers

If it has a motor on it or in it, shut it off or unplug it!

But, you ask, how can I cope with a low-voltage

condition if I'm not at home when it occurs?

Well, help is here in the form of an automatic low-voltage protector. Ask your electrician or electrical supplier about a device called a brownout protector that solves the problem for automatic appliances such as freezers, refrigerators, furnaces and air conditioners.

A brownout protector continually monitors the line voltage. If a low-voltage situation occurs, it will disconnect the motor it controls. The motor cannot operate until the voltage returns to an acceptable level and stays there for at least five minutes. And it comes in two configurations. One type that is ideal for freezers and refrigerators simply plugs into the outlet and the appliance then plugs into it. The other type can be wired into the circuit that serves the furnace or air conditioner.

Low-voltage can be caused a number of ways — none of which your cooperative has any control over. Now your motors can be protected even while you're gone.

Also, if you're concerned about high-voltage surges damaging the electronics in your appliances and home entertainment equipment contact your electrician about installing a Surge Sentry. Surge Sentry is a device that will protect against surges.

Be careful with the trees, please

Are you planning to clear land or get rid of dead trees?

Cutting down trees is serious business, and observing a few rules will help you accomplish your task safely.

- Always look overhead and to all sides surrounding your cutting site. Make sure the tree will not come into contact with any power lines when it falls.
- If a tree does fall into a power line, or you come across a tree that has already fallen, do not — under any circumstance — try to remove it.
- Stay clear of the tree and the line, and call us soon as possible. We'll send a crew right away to take care of the problem.

Contact us for more advice before you begin your tree-trimming. We'll be happy to share more safety measures with you.

*** Notice ***

The Illinois Valley Electric Cooperative office will be closed on Friday, April 17, in observance of "Good Friday." Please call toll free 800-654-1088 to report emergencies. This service to IVEC members is available 24 hours per day.



Happy Easter



The board, management and employees wish all members and their families a happy Easter.

Is this your account number? 0003207001

You could be a prize winner! If your name appears in this center section, mixed in with copy, call

Toll-free — 800-654-1088



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 1 p.m. on Thursday, February 27, 1992, with all directors present except Dorothy Wilson and Vincent Fredrickson. Manager T.L. Christensen, attorney Gary Barnhart and auditor Zane Juncker were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or

moved on:

1. A motion was made and approved to authorize the manager and attorney to write a short-term contract with Pro-Comm USA of the Quad Cities to have Pro-Comm sell Motorola radios and load IVEC's radio systems.

2. IVEC sent letters to 23 high schools regarding Illinois Youth Day to be held in Springfield in April. Out of the 23 schools, 10 have committed 20 students to this program at this time. Other schools may be interested. A test will be given to the students in Springfield, and four will be selected to go to Washington, D.C., in June.

3. A motion was made and approved to accept the auditor's report for 1991.

4. A motion was made and approved for NRECA to send information regarding health and life insurance in the members electric bills.

5. The Legislative Conference will be held in Washington, D.C., May 3 through May 6, 1992.

The next board meeting is scheduled for March 24, 1992, at 1:30 p.m. The April board meeting will be held on April 28, 1992. The May board meeting is scheduled for the 26th.

Heat/cool
with
electricity

System:GT[®]

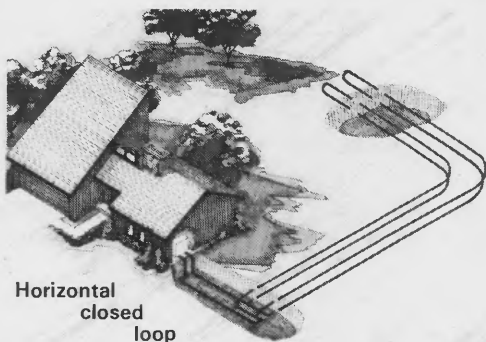
Geothermal heating, cooling and water heating

Heat/cool
with
electricity

Heat and cool with 300% efficiency

IVEC members, now you can get maximum comfort, energy and cost savings from a system designed to use natural energy from the earth.

Better than the Best Gas Furnace!



Horizontal
closed
loop

What is a Geothermal system?

Geothermal is the safest, most-energy-efficient, pollution-free heating and cooling system available.

Basically it looks like a normal furnace, but that's where the similarity ends. Because it burns no fossil fuel, it emits no pollutants, thus, no chimney is required. Therefore, it can be installed almost anywhere, in a basement, crawlspace, attic or closet.

Geothermal is a complete home heating system.

In the summer, select the cooling mode on the thermostat and the geothermal system is your complete home cooling center. Geothermal can also supply most of your domestic hot water requirements. Customers report savings up to 60 percent heating their homes. Cooling cost reductions of 50 percent are not uncommon.

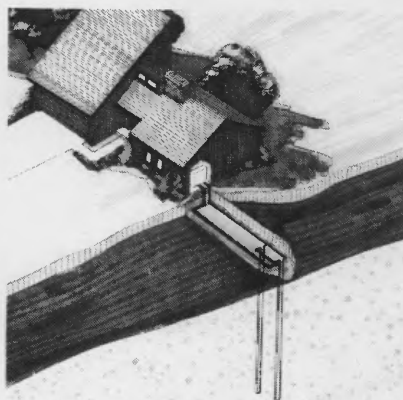
How does it work?

Sized to individual requirements, lengths of plastic pipe are buried in the ground either vertically or horizontally, depending upon lot size.

After installation, this sealed "loop" is filled with water and an anti-freeze solution. This assures a maintenance-free circulation system.

Warmed by the earth, incoming water in the loop is pumped to the geothermal unit where heat is extracted in the heat exchanger. Liquid freon is vaporized by this heat, pressurized by the compressor, and pumped through the air coil at approximately 190 degrees F to 200 degrees F. Return air is forced through the coil by the blower and the subsequent warm air is distributed throughout your home in the normal manner, using a system of ducts.

In the summer, the system reverses the process, extracting



Vertical closed loop

heat from inside the building and discharging it to the ground loop and domestic water heater where the cooling cycle begins.

Because we are dealing with relatively constant ground temperatures, the geothermal system has a three-to-one efficiency ratio, thereby realizing substantial energy savings.

Let the ground you walk on heat and cool your home!

Cash rebates

- Illinois Valley Electric will rebate \$75 per kw installed up to a maximum \$3,000.00 for the all-electric geothermal system.
- Additional bonus of \$1,500 to the first six homes that install a new geothermal system in 1992.
- Ask about IVEC's off-peak rate of 3.5 cents/kwh for more savings combining geothermal heating with ETS secondary heating.

WE WILL HELP YOU WATCH YOUR FIGURE.

You'll think your energy bill is on a crash diet. But reduced energy costs are common with a geothermal system.

- ☆ *Economical*
- ☆ *Safe*
- ☆ *Clean*
- ☆ *Competitive*

For more details

- Call Illinois Valley Electric at toll free 800-654-1088 or the following WaterFurnace dealers
- Philhower Electric Plumbing & Heating
Main Street
Tiskilwa, IL 61368
(815) 646-4481
- Turczyn Heating and Air Conditioning
1328 Pulaski Street
Peru, IL 61354
(815) 223-0715
- Energy Specialists Co.
224 N. Main Street
Toluca, IL 61369
(800)782-7491

Illinois Valley Electric Cooperative

IVEC MEMBERS!! Subscribe to Rural TV . . . Satellite TV Equipment and Programming Available

Illinois Valley Electric Cooperative • Princeton, Illinois • Phone 800-654-1088
There are over 150 unscrambled channels available plus the following subscriptions:

Expanded Basic 28 channels for \$19.95 per month

Arts & Entertainment	WWOR	Lifetime	Country Music Television
Discovery Channel	ESPN	Family Channel	Headline News
*Learning Channel	WTBS	*Nostalgia Channel	Nashville Network
Nickelodeon	CNN	Prime Network	PrimeTime 24 (WABC, WXIA, WBBM)
*Travel Channel	VH-1	USA Network	Superstar Connection (KTVT, WGN, WPIX)
Weather Channel	MTV	WSBK	*Black Entertainment Television

*unscrambled channels

Basic Service 16 channels for \$11.95 per month

Nashville Network	Discovery Channel	Country Music Television	ESPN
Family Channel	Headline News	*Learning Channel	CNN
Nickelodeon	*Nostalgia Channel	Superstar Connection (KTVT, WGN, WPIX)	WTBS
USA Network	*Travel Channel		

*unscrambled channels

G1 Package 11 channels for \$8.95 per month

Arts & Entertainment	CNN	Country Music Television	Discovery Channel
ESPN	Family Channel	Headline News	Nashville Network
USA Network	WGN	WTBS	



INITIAL SET UP CHARGE
(ONE TIME FEE):\$10.00

TO CHANGE SERVICE
SUBSCRIBED TO:\$5.00

ADDRESS CHANGES: ...\$1.00

REHIT CHARGE:\$5.50

Our premium channels

Programs	Per Mo.
HBO	\$7.95
Cinemax	7.95
Disney	7.95
Showtime	7.95
The Movie Channel	7.95
HBO, Cinemax, Showtime, The Movie Channel and Disney Combinations	
Any 2 services	14.95
Any 3 services	20.95
Any 4 services	27.95
All 5 services	33.95
Satellite Sports Network 8.55	
Home Team Sports	MSG
HSE	PASS
KBL Network	Pacific Sports
Midwest Sports	Prime Ticket
	PSN Rock Mountain
	PSN Upper Midwest
	Sport South
	Sunshine Network

uniden®

Satellite Television Systems



Full one-year warranty
on every satellite component

Call toll free
1-800-654-1088

Ask for a Member
Services Representative



Complete satellite television systems installed by IVEC!

*** Check this low installation price!!!! ***

Special Price (C Band-24 Channel)	\$1,480.00
Sales Tax	\$ 92.50
	<hr/>
Equipment Price + Tax	\$1,572.50
Installation	\$ 425.00
Total Price	<hr/> \$1,997.50



Corrine Turner shows one of her refinished pieces — the table and chair set that got the whole operation going many years ago.

Trial and error teaches furniture restoration

A grandmother's passion for furniture painting led, in a roundabout way, to a home-based business for a Monticello woman. Corrine Turner, a member of Eastern Illini Electric Cooperative, learned her craft by trial and error.

"It all started," she says with a chuckle, "when my aunt, Irene Dunaway of Bement, gave me a table and four chairs that had once belonged to my grandmother, who loved to paint."

That love of painting was evident by the numerous coats of paint on the table and chairs, and Corrine set out to remove them. It turned out to be a laborious project.

"I went to the library for books on how to strip furniture," she says, "and started working in our back yard, trying the things the books suggested. There were so many different things to learn. After three summers of work with different methods, the table and chairs were finished to their original beauty."

Even though the furniture is well over a century old, the family still uses it daily.

With the table and chairs satisfactorily completed, Corrine started to look for other things to work on, learning something new with every job. She still reads every refinishing and antique book or pamphlet she can find.

"Our home is filled with furniture I've refinished," Corrine says, "and I go to farm and estate sales and pick up dilapidated pieces to redo because they're a real challenge. Every piece has its own personality and history, and they all mean a lot to me because I put a lot of time and work into them. My son, James, helps me with some of the repairs."

When she ran out of furniture to work on in her own house, Corrine started on that of friends and relatives. Friends of friends admired her work and asked her to refinish woodwork and furniture for them.

And as word of her expertise spread, Corrine started taking on bigger jobs, like stripping and refinishing all the woodwork and doors in a 15-room house. People from as far away as Chicago and from all the nearby towns have furniture she has restored. She buys antiques and restores them for sale at area shows.

"It doesn't take me three years to complete a job any more," she says. "Over the years I've learned which products and tools are the best to use on all the problems I find in old furniture. I do the stripping by hand, because dipping furniture in strong solutions is too hard on the wood. My husband, Gordon, and I have a big metal building behind the house that we work in, so we don't have to work in the basement or back yard any more."

What started out as a hobby some 30 years ago has now become a small business.

Home wiring hazards

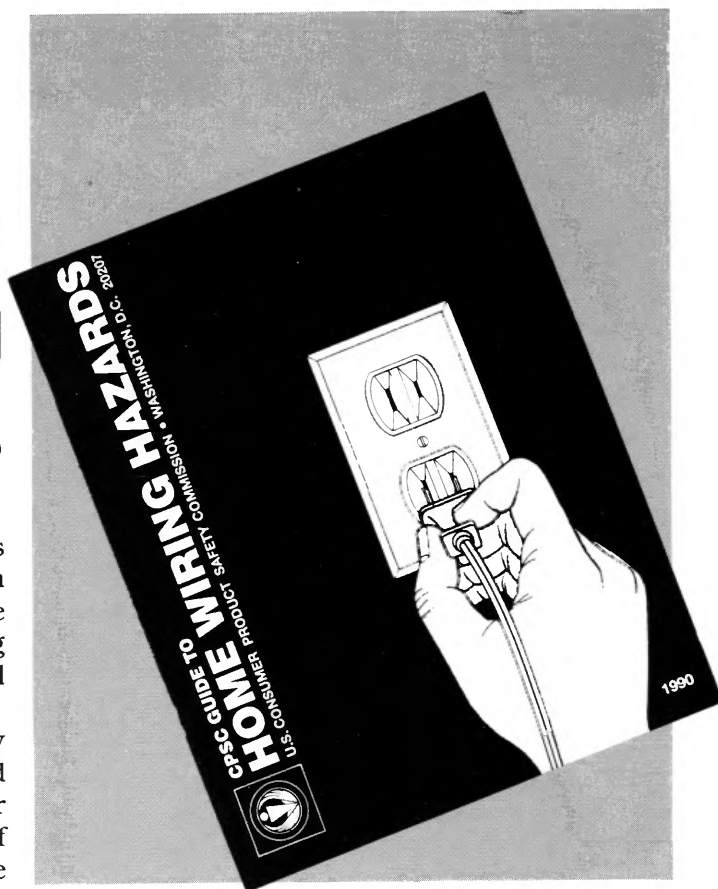
Many people treat electricity with a lot less care than they should. It's so easy to plug in an appliance or flip a switch. But some forget that the power used to light a lamp or run a washing machine is also strong enough to do physical harm.

Each year, about 1,200 people in the U.S. die by accidental electrocution and in electricity-related fires. A book available from the U.S. Consumer Product Safety Commission stresses that many of those deaths could have been prevented if people knew how to maintain their home wiring system. Using clear illustrations and a problem/solution format, the *Guide to Home Wiring Hazards* describes warning signs of electrical hazards and explains how to handle them.

One of the best things you can do to keep your home electrical system working safely is to have an electrician or electrical inspector check it at least every 10 years. Between inspections, it's important for you to do your own checking. The most obvious indication of an electrical problem is a blown fuse in your fuse box or a tripped switch in your electrical panel. This happens when more electricity is demanded in a certain area than the system was designed to handle. If turning on a particular appliance causes the problem, check to see if you've overloaded the circuit branch or if the appliance is broken. If so, let a professional make the repairs. Don't try to increase your circuit's capacity by replacing a blown fuse with a penny or by installing a larger-capacity circuit breaker to remedy a tripped switch. You'll let too much electricity flow, risking shock or fire.

Even if you've been careful not to overload your electrical system, electrical problems can still occur. And whether the problem is with a cord, plug, fixture, or outlet, the signs of an electrical hazard are the same: sparks, arcs (bright flashes of light), sizzling or buzzing, shocks, warm plugs or receptacles, or an odor of burned or overheated wiring or insulation. Don't use the problem unit until it can be repaired.

Many electrical problems and accidents can be



prevented by using appliances and fixtures only as they were intended. Don't pinch electrical cords in doorways or under rugs or furniture and never nail or staple cords. Pull the plug, not the cord, when disconnecting appliances from outlets. And don't overload outlets or extension cords. Avoid using older extension cords that may be brittle, damaged, or have a low wattage capacity. Keep your lamps and lighting fixtures from overheating by checking to see that bulbs are of the right wattage. Newer fixtures are marked with the size of the bulb you need. Although they're not always marked, most older fixtures are designed to work with a 60-watt bulb.

In addition to using your electrical equipment correctly, you can help prevent electrocution by using ground fault circuit interrupters (GFCIs). These special outlets or attachments to existing outlets stop the flow of electricity when they detect an electrical current leakage. You could get a shock from that flow of electricity before the GFCI shuts off, but the unit will prevent serious injury and death. GFCIs are most often used in wet areas of the home such as the bathroom, kitchen, or basement where the threat of an electrical shock is greater.

To learn more about keeping your home wiring system working safely and efficiently, the *Guide to Home Wiring Hazards* should be helpful. Send your name, address and 50 cents to the Consumer Information Center, Department 431Y, Pueblo, Colorado 81009.

Illinois Valley Electric Cooperative

***** Available options and programs *****

For Illinois Valley Electric members

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.

***** Featuring this month *****



IVEC Payment Centers to serve your area.

- Galva Area **First Illini Bank**
112 North Exchange Street
- Princeton Area **Citizens First National Bank**
606 South Main Street
- Kewanee Area **Peoples National Bank**
207 North Tremont Street
- Ottawa Area **First National Bank of Ottawa**
701 LaSalle Street
- Sheffield Area **First Bank of Sheffield**
113 South Main Street
- Peru-LaSalle Area **Citizens First National Bank of Oglesby**
Peru Mall, East Entrance
Route 51 and Wenzel Road

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.5 cents kwh—\$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate—back-up heat for geothermal and dual energy “all-electric” systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only—\$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement with electric water heater timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency—ground source GTS ★ better than gas furnace ★ clean energy
 - ★ off-peak rate of 3.5¢ kwh with ETS secondary heating ★ economical/affordable
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 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems—C-Band (24 channel)—Ku-Band (32 channel)
- Rural TV satellite program subscription packages—Basic Service \$11.95 mo.—HBO \$7.95 mo.—Cinemax & Disney \$14.95 mo.—other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August—\$40 total benefit—no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$11 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service—low monthly rates
- Six bill payment locations throughout IVEC’s service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail in this month’s REN issue. If you want more information about the above programs, contact Illinois Valley Electric’s Member Services Department at toll-free 800-654-1088.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Emergencies — call toll-free 800-654-1088 — 24-hours a day

Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, Vincent Fredrickson, Victoria, District 9; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; John Knueppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; John Scott, Neponset, District 8; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.

In support of REA — *From the Rochester Post-Bulletin*

Editor's note: The following editorial, originally entitled, "REAs show why system remains so important," is reprinted from the Rural Electric Newsletter, which printed the article with permission of AgriNews, a supplement to the Rochester, Minn., Post-Bulletin, where it appeared last November 14.

A past segment of the television news program 60 Minutes suggested that the Rural Electrification Administration has outlived its purpose and should no longer be subsidized by taxpayers.

Bush Administration officials were then quoted as saying that the power lines are up, the farmers have electricity, so let's quit giving rural electric cooperatives low interest loans and loan guarantees.

The White House Office of Management and Budget has recommended phasing out all REA subsidies to electric cooperatives over a 10-year period.

The 60 Minutes program offered examples of REA low-interest loans being used to finance a luxury ski resort in Colorado and a golf course in Florida.

We think it's too bad a 60 Minutes crew wasn't in Iowa and Minnesota last winter.

A massive ice storm — the worst anyone can remember — toppled miles of power lines and left thousands of rural residents without electrical power during a week when record cold hit the area.

Some people are just getting their power restored this week.

Damage to RECs throughout the area hit by the storm will be millions of dollars.

As the manager of one Iowa rural electric cooperative put it, "I'd love to see 60 Minutes do a piece on keeping the power on in rural areas

under these conditions. They'd see that we don't have any luxury resorts and golf courses out here."

Instead, they would have seen line crews working 16- to 18-hour days in frigid temperatures.

They would have seen farmers assisting line crews by cutting trees, chipping ice, pulling out trucks that were stuck and providing workers with hot coffee and warm meals.

They would have seen neighbors helping neighbors, people cooking on camp stoves, homes lit with candles and fire departments hauling water for livestock.

Everyone — including the municipal and investor-owned utilities did an admirable job of turning the lights back on in rural Minnesota and Iowa during this difficult time.

But now the work of restoring systems to their prestorm condition begins.

The RECs in Minnesota and Iowa can't withstand the type of damage they did without relying on low-interest REA loans. Some RECs would have difficulty finding financing from private-sector sources alone.

Unlike the Bush Administration, we don't think that the REA has outlived its purpose.

Yes, the electric lines are up, but maintaining those lines and providing affordable service to rural customers is an ongoing process.

If there are abuses of REA loans, do something about that, but don't turn off the lights on the entire system.

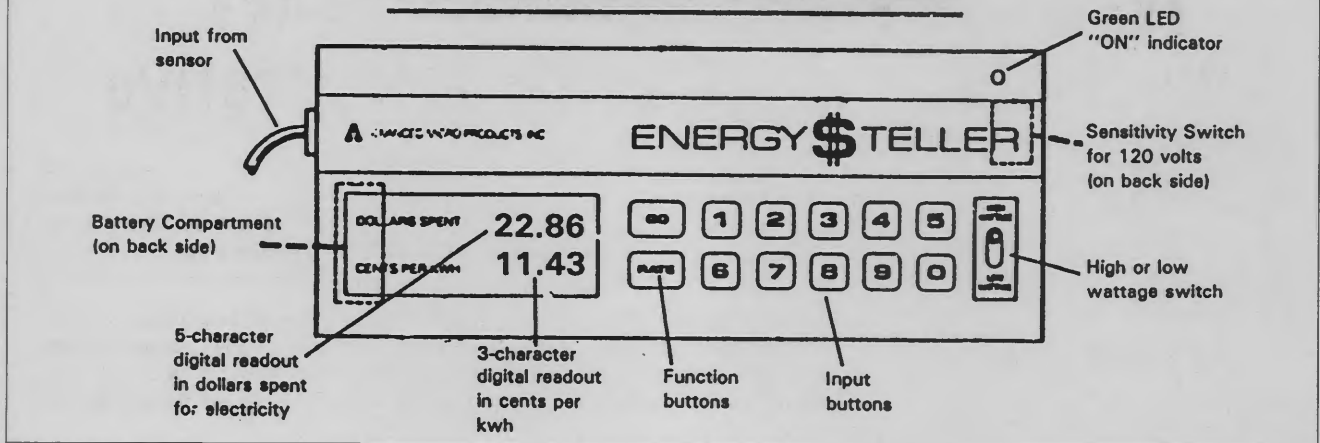
(Illinois Valley Electric Cooperative has experienced severe storms in past years and can appreciate the comments from the Iowa manager. We need to keep things in perspective and understand that REC's perform a vital service in rural America for all it's residents.)

**Is this your account number?
0003339003**

You could be a prize winner! If your name appears in this center section, mixed in with copy, call

Toll-free — 800-654-1088

DISPLAY UNIT FEATURES:



Energy\$Teller pinpoints energy usage

The cost of electrical energy, and of all energies, has now reached the point where it is becoming an economic concern for all segments of society. We think it is important that our members know how much energy is being consumed and how it is being used. This information is important, enabling us to make intelligent decisions about how best to reduce energy consumption.

The Energy\$Teller is a microprocessor-based system that can give you this information. The device is very simple to use and has widespread application for assessing your everyday use of energy. The use of the Energy\$Teller will help IVEC members to secure accurate information on how much energy is used by

different appliances and will provide the information needed to budget household energy consumption.

The Energy\$Teller is provided to any member who requests such service from IVEC's Member Service Department. The device can be picked up or delivered to a member's location and its application explained to the member. IVEC retains ownership and its use is only on a temporary basis. A deposit will be required until unit is returned to the cooperative. The Energy\$Teller is provided solely as another service to IVEC's membership.

CALL TODAY — Member services personnel will provide any additional information requested.

EARN EXTRA \$\$\$

EARN EXTRA \$\$\$

EARN EXTRA \$\$\$

IVEC is seeking members who are interested in reading meters once a month in their service area. Meter readers get paid for each assigned meter plus mileage. Mail this application or call toll free (800) 654-1088.

*** Meter reader application ***

To: Illinois Valley Electric Cooperative
P.O. Box 70
Princeton, Illinois 61356

Attention: meter reader application

I am interested in being an Illinois Valley Electric Neighborhood Meter Reader when a route position becomes available. Please send me an application form. I am a member of Illinois Valley Electric Cooperative.

Name _____

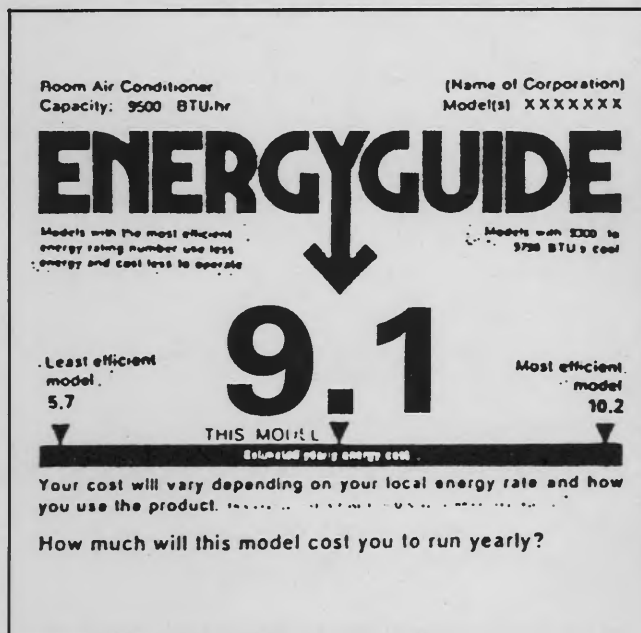
Address _____

City _____ Telephone (____) _____

Zip _____



MEMBER SERVICES



Let the yellow tag be your guide

There's more to buying an appliance than just looking at the price tag. It's also important to compare energyguide labels.

When buying an air conditioner, you should look for a higher number. Air conditioners are labeled with an energy efficiency rating (EER), which is the ratio of the cooling capacity of the unit to the amount of electric power used by the unit. The higher the number, **the more efficient** the air conditioner. You will save money on operating costs as long as you own it.

If you are looking at central air conditioning systems, check the SEER number (seasonal energy efficiency ratio).

Our example illustrates a room air conditioner label.

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 buildings — 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 preselected shelter, or even a ditch in the open. Damage can be minimized 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.



Farmers: Let IVEC help choose your bin location

Before your bin site location is final, please contact the Engineering Department of your Cooperative so that the distance between the bin and overhead power lines can be measured.

Failure to do so may result in additional charges to you or the owner of the bins if the Cooperative is required to alter its facilities to comply with the new National Electric Safety Codes. Please do not hesitate to contact the Engineering Department of your Cooperative so that we can help you with your installation.

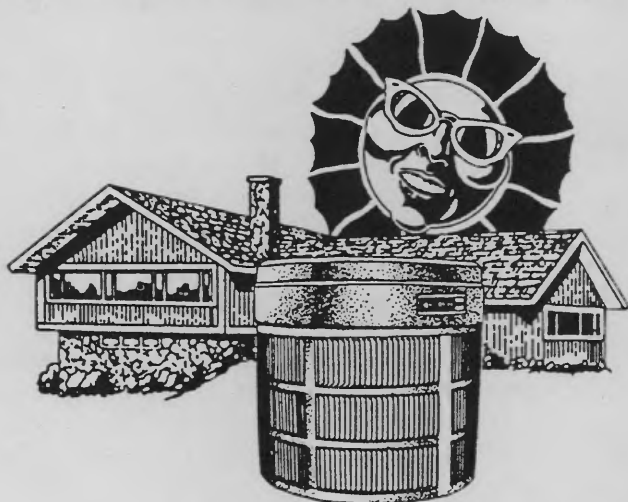
**** Notice **** The Illinois Valley Electric Cooperative office will be closed on Friday, May 29, in observance of Memorial Day. Please call toll free 800-654-1088 to report emergencies. This service to IVEC members is available 24 hours per day.

IVEC members!!

Control air-conditioning costs with a "load leveler"

"Must have load leveler installed by June 30th for full benefit"

Enjoy the summer season and keep cooling costs economical with electricity. Help reduce summer peak demand and earn "credit" on your electric bill.



Save on
air conditioning
costs

\$20.00 credit for
months of July
and August

\$40.00

over two months

* * The Earned Credit * *

For the months of July and August only—if the member limits the hours of operation of the central air conditioner, the cooperative will issue a credit of not less than \$20.00 on the member's monthly electric bill. The load leveler device must be controlling the member's air conditioner for thirty (30) days before the credit can be applied. The \$20.00 monthly credit will be allowed only if a minimum 400 kilowatt-hour usage for each household is recorded. Contact Illinois Valley Electric's Member Services Department at toll free 1-800-654-1088 for more information.



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 2 p.m. on Tuesday, March 24, 1992, with all directors present. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or

moved on:

1. A motion was made and approved to give Robert Arbuckle of Pro-Comm a fee for each radio sale made after the first five sold each month. These radios would be on IVEC's radio tower system.
2. The annual meeting was discussed. The board approved having the annual meeting on August 4, 1992, at the Princeton High School during the day time. The actual time and other information will be reported at a later date.
3. A motion was made and approved to appoint a committee to work on redistricting of the IVEC service areas. This would make the districts more evenly represented.
4. Information regarding health and life insurance from NRECA will not be sent in the members electric bills because of cost involved.

The next board meeting is scheduled for April 28, 1992, at 11 a.m. The May board meeting will be held on May 26, 1992. The June meeting is scheduled for the 23rd.

Kristy Karenke

Illinois Valley Electric Cooperative

IVEC MEMBERS!! Subscribe to Rural TV . . . Satellite TV Equipment and Programming Available

Call Illinois Valley Electric Cooperative • Phone 800-654-1088

There are over 150 unscrambled channels available plus the following subscriptions:

Expanded Basic 28 channels for \$19.95 per month

Arts & Entertainment	WWOR	Lifetime	Country Music Television
Discovery Channel	ESPN	Family Channel	Headline News
*Learning Channel	WTBS	*Nostalgia Channel	Nashville Network
Nickelodeon	CNN	Prime Network	PrimeTime 24 (WABC, WXIA, WBBM)
*Travel Channel	VH-1	USA Network	Superstar Connection (KTVT, WGN, WPIX)
Weather Channel	MTV	WSBK	*Black Entertainment Television

*unscrambled channels

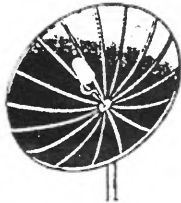
Basic Service 16 channels for \$11.95 per month

Nashville Network	Discovery Channel	Country Music Television	ESPN
Family Channel	Headline News	*Learning Channel	CNN
Nickelodeon	*Nostalgia Channel	Superstar Connection (KTVT, WGN, WPIX)	WTBS
USA Network	*Travel Channel		

*unscrambled channels

G1 Package 11 channels for \$8.95 per month

Arts & Entertainment	CNN	Country Music Television	Discovery Channel
ESPN	Family Channel	Headline News	Nashville Network
USA Network	WGN	WTBS	



INITIAL SET UP CHARGE
(ONE TIME FEE):\$10.00

TO CHANGE SERVICE
SUBSCRIBED TO:\$5.00

ADDRESS CHANGES: ...\$1.00

REHIT CHARGE:\$5.50

Our premium channels

Programs	Per Mo.	
HBO	\$7.95	
Cinemax	7.95	
Disney	7.95	
Showtime	7.95	
The Movie Channel	7.95	
HBO, Cinemax, Showtime, The Movie Channel and Disney Combinations		
Any 2 services	14.95	
Any 3 services	20.95	
Any 4 services	27.95	
All 5 services	33.95	
Satellite Sports Network	8.55	
Home Team Sports	MSG	PSN Rock Mountain
HSE	PASS	PSN Upper Midwest
KBL Network	Pacific Sports	Sport South
Midwest Sports	Prime Ticket	Sunshine Network

uniden®

Satellite Television Systems



Full one-year warranty
on every satellite component

Call toll free
1-800-654-1088

Ask for a Member
Services Representative



Complete satellite television systems installed by IVEC!

*** Check this low installation price!!!! ***

Special Price (C Band-24 Channel)	\$1,480.00
Sales Tax	\$ 92.50
	<hr/>
Equipment Price + Tax	\$1,572.50
Installation	\$ 425.00
Total Price	\$1,997.50

Special — for July and August only — 10% off installation price!!!

An old idea...improved



Sorry, Axle. Your square wheel hasn't caught on yet, but the year-'round comfort of your cave is still in fashion. In fact, our most efficient means of heating and cooling — the geothermal system — uses energy from the earth, like your cave. We'll call you when we need your wheel, Axle, but for safe, clean and efficient cave comfort, we'll call:

Electric Cooperatives of Illinois



Good for ALL Illinois

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.

Monday through Friday

Telephone (800) 654-1088

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P.O. Box 70

Route 6 & 34 West

Princeton, Illinois 61356

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Rep. George Sangmeister (center) poses with, from left, Earl Bates of Kewanee, T.L. Christensen of Princeton, Gary Barnhart of Canton and Joe Danielson of Princeton. Bates and Danielson are IVEC directors. Christensen is the co-op manager, and Barnhart serves as attorney.

IVEC leaders in Washington, D.C.

Last month, four representatives of Illinois Valley Electric Cooperative joined with electric cooperative leaders from across the nation in Washington, D.C., for the annual NRECA Legislative Conference. Many of you know that NRECA is the National Rural Electric Cooperative Association, the organization that represents electric cooperative interests in Washington.

What goes on in Washington is very important to the well-being of your consumer-owned electric cooperative. Over the more than a half-century that electric cooperatives have existed, Congress has been a strong ally in assuring that the remote, sparsely populated rural areas have the quality and quantity of electric service available to those people who live in the towns and cities.

It is vital that electric cooperatives maintain a continuing program of communication with Congress. Rural electrification has its critics, usually those who are philosophically opposed to such a federal-citizen partnership or people who lack knowledge about the program. During recent times, Congress has undergone significant change. There has been considerable turnover, and there are fewer Congressmen who represent rural areas. In the next session of Congress, Illinois will have two fewer Congressmen that the state has had for the last 10 years.

As an example of what is happening in Congress, consider the fact that one of the newly drawn Congressional districts in Illinois will be the largest geographic area in a single district in any

state east of the Mississippi River.

Also important to electric cooperatives is the Rural Electrification Administration, which is the banker for rural electric systems. REA, as it is known, has been vital as IVEC has worked over the last 15 years to assure quality and quantity of electric service for its members at reasonable prices.

During the Legislative Conference, two directors — Earl Bates of Kewanee and Joe Danielson of Princeton — and T.L. (Kris) Christensen, manager, met with four U.S. Representatives and staff members of another, as well as the state's two Senators, to convey IVEC's concern about legislative and regulatory issues before Congress. They met with Reps. George Sangmeister, Dennis Hastert, Lane Evans and Bob Michel, as well as staff people with Rep. Phil Crane. Sens. Alan Dixon and Paul Simon also met with larger groups of Illinois leaders. In addition, they also met with

REA officials in order to provide the agency with information dealing with IVEC's continuing efforts to serve its members.

Under the present Congressional district alignment, IVEC's service territory includes portions of three districts: 14th (Hastert), 17th (Evans) and 18th (Michel).

Under the new district arrangement, Hastert, Evans and Michel are candidates in November for reelection in geographically rearranged districts bearing the same numbers as the present districts. Sangmeister is a candidate in the 11th district. His present district is the Fourth.

The following material addresses the major issues discussed:

Rural electric cooperative financing

For rural Illinois to grow, a strong infrastructure including up-to-date utility services must be developed. The electric cooperatives of Illinois require a high level of capital to continue their efforts to provide a safe, reliable, and efficient source of electric energy throughout the 86 counties they serve. Thirty-six percent of a rural electric distribution systems capital requirements come from REA. These funds come in the form of loans and guarantees, not grants. In fact, in 1991, loan payments to REA exceeded loan advances by \$2.9 billion.

Unfortunately, there is currently a backlog of loan applications at REA totaling nearly \$800 million. This backlog causes delays in receiving loan funds and impairs the ability of electric cooperatives to carry out necessary maintenance and improvements. It is important that this backlog be reduced if electric cooperatives are to continue their efforts to improve rural America. Increased loan fund availability for electric coop-



Joe Danielson (left) provides information to Rep. Dennis Hastert. Danielson is an IVEC director.



Rep. Lane Evans (second from right) talks with Gary Barnhart, co-op attorney. Looking on, from left, are Earl Bates of Kewanee and T.L. Christensen, co-op manager.

eratives would lead to construction and spending, boosting many depressed rural economies.

Partially in response to criticism about the REA program, electric cooperatives have conducted a study of the Rural Electrification Act and are supporting newly introduced legislation to improve the REA program and make it more efficient and effective. This legislation, which will result in no cost to the government, will help our highly successful federal-private partnership program to run better.

All electric utility systems receive federal financial assistance. Rural electric cooperative systems, however, receive the fewest federal dollars per consumer. This situation exists even though rural electric cooperatives have the lowest number of consumers per mile of line, the smallest revenue per mile of line and the lowest level of assets and equity. In addition, 77 percent of all rural electric cooperative rates (more than 95 percent in Illinois) are higher than those of neighboring utilities. Electric cooperatives and their member-consumers are not asking for special treatment but believe they deserve a level playing field.

Rural telecommunications

Electric and telephone cooperatives in Illinois and throughout the country have organized and operate the National Rural Telecommunications Cooperative (NRTC). NRTC and its member systems — including IVEC — are attempting to provide improved information, education, and entertainment programming to rural areas. Unfortunately, NRTC and other home satellite dish distributors must pay as much as five times more than cable companies for identical programs. In addition, some programmers absolutely refuse to sell their programs to NRTC at any cost. Rural television consumers are now fighting for equal access to all programming at nondiscriminatory prices. It is very important for rural consumers that Congress assure equal access at nondiscriminatory pricing for NRTC.

National energy strategy

Congress is establishing a national energy strategy. We believe it is vital for this country to have a comprehensive domestic national energy strategy and policy, and rural electric cooperatives have a vital role to play in this process. Electric cooperatives believe many key elements should be retained in the national energy strategy.

In addition, the electric cooperatives of Illinois support the increased use of ethanol-enriched fuels to reduce dependence on foreign oil and contribute to cleaner air. We encourage federal participation support for the development and commercialization of electric vehicles, electric-hybrid vehicles and advanced batteries as a method to improve our national energy and environmental situations.



Joe Danielson (right) of Princeton greets Rep. Bob Michel. Danielson is an IVEC director.

Energy conservation rebates

We believe the national energy strategy and a sound federal tax strategy should promote energy efficient appliances, motors and other energy saving devices. Such a strategy will ultimately improve our environment and economy. We urge Congress to exempt from federal taxation cash rebates made by utilities to their consumers when they are associated with efforts to promote the efficient use of energy. The House Way and Means Committee has included provisions of H.R. 1007 in its proposal for the national energy strategy. We urge all members of the Illinois Delegation to support these provisions when the national energy strategy is considered as a package later in this session of Congress. IVEC offers such rebates, and we strongly support the tax exemption for these rebates.

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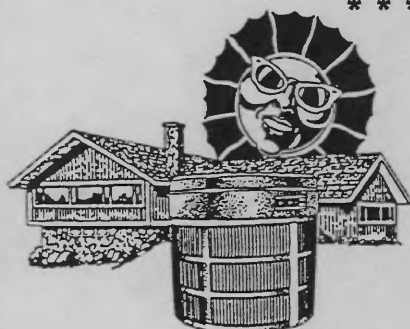


The board, management and employees wish all members and their families an enjoyable holiday.

*** * * Available options and programs * * ***

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*** * * Featuring this month * * ***

Control air-conditioning costs with a "load leveler"

Enjoy the summer season and keep cooling costs economical with electricity. Help reduce summer peak demand and earn a \$20 credit on your electric bill for July and August.

The Earned Credit – \$40.00 over two months

Look over this list and find the programs that fit your needs and call us.

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 - ★ 300% efficiency – ground source GTS
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IVEC members . . .

Enhance Your Communications!!!

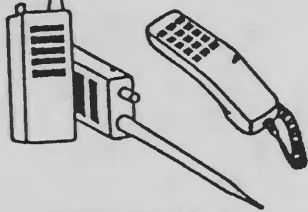
Portable or mobile radio and telephone service

from

Illinois Valley Electric Cooperative

Route 6 & 34 West

Princeton, Illinois 61356



Providing

MOTOROLA

COMMUNICATION PRODUCTS

Throughout the life of their product line, Motorola continually verifies dependability and quality for all your communication requirements.

Wide-area coverage available

Call Toll Free 800-654-1088 for more information.

The Radio System features the following specifications:

- ★ The 800 MHZ Frequency Trunking System "pools" several radio channels so that all users in a given area have automatic access to any free channel.
- ★ You have immediate access to all available frequencies.
- ★ A trunked system provides added privacy to conversations.
- ★ Interruptions from outside conversations are almost impossible.
- ★ Operation is simple: After the volume level is set, the push talk button is the only control needed.

All these features for as little as \$7.00 per month.

Optional Telephone Interconnect

- ★ If your mobile radio is equipped for telephone, by merely the push of the phone button, your mobile radio connects you to a commercial telephone line. After the dial tone is heard, your mobile radio "becomes" a telephone.

This feature for as little as \$11.45 per month.

******* Special announcement *******

Attention all Illinois Valley Electric Co-op customers utilizing the IVEC mobile radio/telephone system:

IVEC and Pro-Comm U.S.A. have entered into a contract appointing Pro-Comm as exclusive marketing representative for the IVEC trunked radio system. IVEC has made this appointment to ensure that its current and future customers have the availability of the most professional and technical information available as to their equipment needs. Pro-Comm is a division of Quad City Two-Way, Inc., which is a factory authorized Motorola Service Center, the largest radio service and sales business in western/north central Illinois and eastern Iowa. The Pro-Comm sales representative in Princeton is Dick Heaton, a life-long resident and owner of the NAPA Auto Parts store. You can now call the Princeton NAPA Auto Parts store at (815)875-6419 to ask about or order Motorola products and services.

Is this your account number?

0004797501

You could be a prize winner! If your name appears in this center section, mixed in with copy, call

Toll-free — 800-654-1088



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 11 a.m. on Tuesday, April 28, 1992, with all directors present. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved on:

1. The cooperative had a good response from the high schools for the Rural Illinois Youth Day. We took 33 students representing 18 area high schools to Springfield on April 29, 1992. Four students were chosen from the group to par-

ticipate in the Washington Tour, D.C., June 12 through June 19.

2. In the March board meeting a motion had been made to appoint a committee to work on redistricting the IVEC service area to make each district more evenly represented. The Redistricting Committee met and shared their proposed ideas. A motion was made and approved to accept the committees redistricting proposal to be voted on at the 1992 annual meeting and become effective in 1993.

3. A motion was made and approved to adopt the two year work plan for 1992-1993 subject to refinancing availability.

4. A motion was made and approved to adopt the board resolution requesting a 2 percent loan from the Rural Electrification Administration.

5. A motion was made and approved to renew a two year answering service agreement.

6. A motion was made and approved to have a meal at the annual meeting to be held on August 4, 1992, at the Princeton High School. Entertainment will also be provided. More details will become available in the REN at a later date.

The next board meeting is scheduled for May 26, 1992, at 11 a.m. The June board meeting will be held on June 23, 1992. The July meeting has been scheduled for the 28th.

Gary Lupo

MEMBER SERVICES

Look out for potential hazards!

This time of the year most people are outside enjoying the nice days . . . cleaning up, making home improvements, getting into the fields or just enjoying the nice weather.

Whatever takes you outdoors this spring, remember to look up and be safe! Electric lines, both overhead and underground, are a potential hazard!

Whether you're moving tall farm equipment, flying kites, cleaning gutters or planting trees, be aware of the electric lines in the area. Illinois Valley Electric Cooperative, your member-owned utility, wants you to be safe and sound this spring. Electricity is a wonderful, often taken for granted servant. But remember not to take those electric lines for granted — they can be deadly!

Call before you dig!

Putting in a brand new garden or planting trees this spring? Be sure that you don't plant or dig near underground power lines. You might be shocked to find buried cables by accident. If in doubt, call Illinois Valley Electric to find the location of underground cables in your area.

Don't fly kites . . .

. . . near power lines. Spring is ideal kite-flying weather, but keep those kids and kites away from the utility lines. Electric lines and kites form a deadly combination!

Look around!

Watch the overhead power lines in the farmyard and near the fields! These lines carry deadly high-voltage loads. Any contact between the lines and augers, combines, antennas or other equipment might be fatal.

Look up around the home or farm!

When you are carrying metal ladders, long boards, pipes or poles, remember to be on the alert for any utility lines in the yard. When you're on the roof making repairs, cleaning gutters or working on an antenna, be alert for any power lines within reach.

During emergencies . . .

stay clear of fallen electric lines. Call your electric cooperative immediately! Never assume that a fallen power line is dead!



Thirty area students representing Illinois Valley Electric Cooperative joined with approximately 175 others from downstate Illinois in Springfield on April 29 for "Rural Electric and Telephone Youth Day." The students toured the State Capitol and met with their legislators, and visited Abraham Lincoln's home and neighborhood, the Illinois Supreme Court and State Library, the Old State Capitol, the Illinois Vietnam Veteran's Memorial and the Lincoln Tomb. The students also met Illinois Lieutenant Governor Bob Kustra, who spoke at a luncheon. At the State Capitol they also met with Representative Frank Mautino of Spring Valley and learned more about the General Assembly and the legislative process. Representing Illinois Valley Electric Cooperative were, chaperone Linda Lorenzen from Illinois Valley Electric, Damon Barraso of DePue, Kami Becker of LaMoille, Mandy Benson and Mark Boston of Galva, David Claasen of Wyanet, Dane Crist of Knoxville, Erin Fogle of LaMoille, Angela Fredrickson of Victoria, Elizabeth Gentry of LaSalle, Jarrod Grant of Cambridge, Jessica House and Nate Kibby of Oneida, Amber Larson of Knoxville, Megan Machick of DePue, Beth Moritz of Wyanet, Stefanie Murdock of Williamsfield, Sarah Newcomer of LaSalle, Doni Okkerse of Ottawa, Dan Polley and Christy Porter of Mendota, Keli Robison of Hall, Jeremy Scott of Neponset, Kristen Shields of Ottawa, Erich Simpkins and Eric Sledgister of Princeton, Michelle Tanzillo of Kewanee, Jeff Templeton of Hall, Tiffany VanWinkle of Kewanee, Todd West of Williamsfield, Nate Yepson of Neponset and chaperone Barry Burkman from Illinois Valley Electric. The day-long activities were sponsored by the electric and telephone cooperatives of Illinois. Winners of the Washington, D.C., tour are: Jarrod Grant, Mark Boston, Liz Gentry and Todd West. First runner-up is Amber Larson, and second runner-up is David Claasen. Angela Fredrickson will participate as a "Willie Wiredhand" student, paying her own way on the tour.

Quarterly operating statement

Report for January 1 to March 31, 1992

Account Description	1991	1992	Statistics and Revenue Data	1991	1992
Operating Revenue and Patronage Capital ..	\$1,891,490	\$1,881,689	Number Connected Consumers	5,595	5,608
Cost of Purchased Power	1,153,603	1,187,231	Average KWH Used (Monthly)	861	894
Distribution Expense—Operation	31,041	71,068	Average Bill (Monthly)	\$102.50	\$105.79
Distribution Expense—Maintenance	120,126	105,605	No. KWH Purchased	17,707,622	17,537,517
Consumer Accounts Expense	51,606	47,671	No. KWH Sold & Used by Co-op	16,264,687	16,102,582
Customer Service and			Line Loss Percent	8.1%	8.2%
Informational Expense	41,058	50,131	Cost Per KWH Purchased	6.51¢	6.77¢
Administrative & General Expense	117,573	135,659	Cost Per KWH Delivered	11.62¢	12.37¢
Operation & Maintenance Expense	1,515,007	1,597,365	Member Cost Per KWH	11.22¢	11.73¢
Depreciation & Amortization Expense	29,534	35,812	Miles Energized	1,743	1,744
Tax Expense—Property	11,239	10,849	Revenue Per Mile	\$1,044	\$1,079
Tax Expense—Other	20,932	25,139	Total Expense Per Mile	\$1,081	\$1,138
Interest on Long-Term Debt	307,594	315,676	Total Cooperative Payroll	\$306,054	\$252,243
Cost of Electric Service	1,884,306	1,984,841	Total Out-of-Pocket Direct Expenses		
Patronage Capital & Operating Margins ...	(64,816)	(103,152)	Reimbursed to Employees	\$669	\$615
Nonoperating Margins—Interest	27,949	15,417	Total Director Per Diem Days	65	66
Nonoperating Margins—Other	(3,735)	7,361	Total Director Per Diem Amount	\$4,875	\$4,950
Extraordinary Items	-0-	-0-	Total Out-of-Pocket Direct Expenses		
Patronage Capital or Margins	(40,602)	(80,374)	Reimbursed to Directors	\$3,757	\$4,066

IVEC members . . . Mark your calendar!!!

1992 Annual Meeting

**Illinois Valley Electric
Cooperative**

Tuesday, August 4, 1992

Schedule of events

***Registration begins at 11 a.m.**

***Entertainment in auditorium prior to meeting at 11:30 a.m.**

***Meal available beginning at 11:15 a.m. in cafeteria**

***Annual meeting to begin at 1 p.m.**

**Princeton High School Auditorium
103 South Euclid Avenue
Princeton, Illinois**

"More information to come in your July REN"

Nominating committee appointed



The annual meeting of Illinois Valley Electric Cooperative will be held Tuesday, August 4, 1992, at the Princeton High School Auditorium, 103 S. Euclid, Princeton. An election of board members will be part of the business meeting. A nominating committee has been appointed to nominate candidates for election to the board of directors. Members of the committee are: Harold Anderson, RR 2, Cambridge, IL 61238, (309)853-8044; Robert Godke, RR 1, Kewanee, IL 61443, (309)853-5184; Dean Gutshall, RR 2, Sheffield, IL 61361, (815)454-2086; Joe Strelau, RR 2, Mendota, IL 61342, (815)539-7504; Robert Angus, RR 4, Ottawa, IL 61350, (815)433-1174; John Redshaw, RR 1, Hennepin, IL 61327, (815)925-7546; Donald Tippner, RR 5, Princeton, IL 61356 (815)879-5801; Don Marquis, RR 1, Box 77, Buda, IL 61314 (309)895-6372 and Roger Sieboldt, RR 2, Victoria, IL 61485, (309)879-2457.

If an Illinois Valley Electric Cooperative member has a candidate for this committee to consider, please contact a representative to make your suggestions.

The nominating committee will meet at 3:00 p.m. on Tuesday, June 23, 1992.

Kids and water: A time for special awareness

How many times have you left a small child unsupervised, even for a brief moment? In these busy times, adults **must** remember that close supervision of young children around water is imperative to ensure their safety. With the warm weather here, it's time to take a dip in a pool, lake, ocean or other body of water. Children are naturally curious and must be supervised when in or around pools and spas, according to the National Swimming Pool Safety Committee (NSPSC).

Water and children can be a fun, enjoyable and healthy combination as long as a few simple safety rules are followed, to prevent drownings and near-drownings. Adult supervision, pool and spa barriers, and a knowledge of cardiopulmonary resuscitation (CPR) will help provide a safe and fun atmosphere for you and your family. Drownings and near-drownings are a very serious problem, accounting for about 300 deaths annually of children under age five. The typical drowning victim is a boy between one and three years of age, who is thought not to be in the pool or spa area at the time of an accident. Near-drownings occur even more frequently than drownings, and all caretakers of children—parents, grandparents,

babysitters, older siblings—must be responsible for supervision and for learning emergency procedures. A little knowledge goes a long way.

In addition to constant supervision, the NSPSC recommends barriers to make the pool or spa area safer. Barriers should prevent access to the pool or spa by unsupervised children. Fences should be at least four feet high with self-closing, self-latching gates, which are kept in good working order. If the house is used as one side of the barrier, the pool or spa should be equipped with a power safety cover, or doors leading to the pool should be equipped with an alarm system or self-closing and self-latching devices. While these measures do not replace supervision, they can prevent or detect access by young children to the pool or spa. NSPSC suggests these barriers be used in "layers," with each layer adding to the safety of the pool or spa.

The NSPSC also reminds parents that while many infants, toddlers and preschoolers participate in aquatic programs to make the water more enjoyable, children must still be supervised at all times in the pool or spa area and around any body of water. Learn cardiopulmonary resuscitation (CPR), keep a phone by the pool or spa, and make sure that everyone knows the emergency medical service phone numbers. Keep an eye on those kids and enjoy a safe and fun swimming season! To receive **free water safety information call 1-800-323-3996.**

Drowning prevention checklist

The NSPSC offers parents and pool/spa owners the following checklist to help prevent child drownings and near-drownings.

Supervision:

Never take your eyes off a child when he or she is in or near any body of water, even for a second.

Don't rely solely on barriers, such as fences or walls. There is no substitute for constant supervision!

Keep toys, tricycles, and other children's playthings out of the water and away from the pool or spa.

Don't consider your children to be "drown-proof" because you enrolled them in water-proofing or swimming classes.

Don't rely on inflatable devices to keep your child afloat. These are not substitutes for adult supervision!

Barriers:

Make sure your pool, spa or hot tub has a fence, wall, or safety cover that guards against unsupervised access, particularly by

young children.

Make sure doors leading to the pool or spa area are self-closing and self-latching, or are equipped with exit alarms, and are never propped open. Gates should have self-closing, self-latching mechanisms. Latches should be out of reach of young children and kept in proper working order.

Make sure the safety cover is always closed when the pool or spa is not in use.

Always drain standing (surface) water from the pool or spa cover. Remember that even a few inches of water can be hazardous, especially to young children.

Emergency procedures:

Learn how to administer lifesaving techniques to children, including cardiopulmonary resuscitation (CPR).

Install a phone, or keep a cordless phone, in the pool or spa area.

Post the emergency medical services phone number (i.e. 911) in an easy-to-see place near the pool or spa, and make sure that everyone learns the numbers(s).

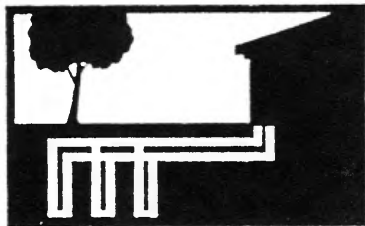
Illinois Valley Electric Cooperative

***** Available options and programs *****

For Illinois Valley Electric members

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.

***** Featuring this month *****



WaterFurnace.

Geothermal heating * Cooling * Hot water

All-electric geothermal heating and cooling systems

- ★ \$1500.00 cash bonus for 1992
- ★ 300% efficiency
- ★ off-peak rate of 3.5¢ kwh with ETS secondary heating
- ★ \$75.00 rebate per KW installed

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.5 cents kwh—\$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate—back-up heat for geothermal and dual energy “all-electric” systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only—\$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement if electric water heater is controlled by timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency—ground source GTS
 - ★ better than gas furnace
 - ★ clean energy
 - ★ off-peak rate of 3.5¢ kwh with ETS secondary heating
 - ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems—C-Band (24 channel)—Ku-Band (32 channel)
- Rural TV satellite program subscription packages—Basic Service \$11.95 mo.—HBO \$7.95 mo.—Cinemax & Disney \$14.95 mo.—other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August—\$40 total benefit—no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$11 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service—low monthly rates
- Six bill payment locations throughout IVEC’s service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail with this month’s REN issue. If you want more information about the above programs, contact Illinois Valley Electric’s Member Services Department at toll-free 800-654-1088.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.

Monday through Friday

Telephone (800) 654-1088

Emergencies — call toll-free 800-654-1088 — 24-hours a day

P.O. Box 70

Route 6 & 34 West

Princeton, Illinois 61356

Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, Vincent Fredrickson, Victoria, District 9; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; John Knueppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; John Scott, Neponset, District 8; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.

House panel approves EMF research plan

A plan to create a comprehensive federal program of research into the health effects of electric and magnetic fields (EMF) passed the House Science Committee and was expected to be ready for approval by the full House of Representatives.

The proposal, endorsed by consumer-owned electric utilities, calls for spending an additional \$12 million a year for the next five years on research into whether EMF causes cancer and other health problems. As much as half of that amount, which would nearly triple the level of the current federal EMF research program, would be contributed by the electric utility and the appliance industries.

The federal government currently spends about \$6 million a year on EMF research. Electric utilities, through their research arm, spend about \$15 million a year. Rep. George Brown (D-Calif.), Committee chair and co-sponsor of the bill, said, "This is a scientific, rational approach to getting the research done so we can avoid the specter of lawsuit, construction delays, and regulations going forward in increasing numbers without the scientific evidence needed for sensible public policy."

Concern about the health effects of EMF has been growing in the past few years after studies found higher rates of cancer in children living near power lines. However, some of those same studies found no association between cancer rates and higher levels of EMF, leading most scientists to say they cannot make any conclusions about whether EMF harms health.

A key feature of Brown's bill provides for coordination of federal research through an Inter-agency Committee of the Department of Energy, Environmental Protection Agency, the Department of Health and Human Services, the Occupational Safety and Health administration, and four



Rep. George Brown (D-Calif.), chair of the House Science, Space, and Technology Committee, oversees Committee approval of a bill establishing an expanded program of research into the health effects of electric and magnetic fields.

other federal agencies.

Bob Bergland, executive vice president of the National Rural Electric Cooperative Association, which represents the nation's 1,000 consumer-owned electric utilities, joined other utility leaders in calling for approval of the bill.

"We hope this bill becomes law this year," Bergland said in congressional testimony in April. "The sooner we can answer EMF health questions with certainty, the better."

Bergland also praised a section of the bill calling for a \$1 million a year public information program, saying, "Even optimistic research forecasts say solid answers are years away. Consumers in the meantime will be acting on the information available before all the research is complete. They

need information they can trust on EMF; they need it now; and they need it in a form that is not so technical that it is not useful."

REA delays and uncertain times prompt increase request

The rural recession and a years-long backlog in loans from the Rural Electrification Administration (REA) have prompted consumer-owned electric utilities to request a \$200 million increase in a key lending program of the REA.

The request, which would bring the level of REA loans to local electric distribution co-ops to \$822 million for the fiscal year that begins October 1, was delivered to Congress in written testimony of Bob Bergland, executive vice president of the National Rural Electric Cooperative Association.

Noting that rural electric co-ops expect their need for REA loans to rise 18 percent next year, Bergland said, "Rural electric systems, because of the flat, uncertain rural economy, have put off borrowing for system improvements for the past several years, relying instead on spot improve-

ments and repairs utilizing internal and private funds. Now, they're at the end of the string. They absolutely require affordable REA loans to continue to provide reliable service."

Because REA loans are repaid with interest, Bergland said that the actual cost to the government of the \$200 million increase would be \$42 million. That increase, he added, would create an additional 7,000 jobs.

"In this time of great economic uncertainty throughout the nation, and especially in rural areas, rural Americans and the national leaders look to these cooperative electric systems to play a leadership role to implement programs that will provide jobs immediately," Bergland said. "These are not part-time, minimum wage, make-work jobs: These are jobs for skilled and unskilled workers that pay well and carry benefits for employees."

Bergland also observed that rural electric systems repaid the federal government \$2.9 billion more than they borrowed last year.

MEMBER SERVICES

Energy-saving tips

✓ Unclog the exhaust

Keep the outside exhaust of your clothes dryer clean. Check it regularly. A clogged exhaust lengthens the drying time and increases the amount of energy used.

✓ Oven meals

When using the oven, make the most of the heat from that single source. Cook as many foods as you can at one time. Prepare dishes that can be stored or frozen for later use or make all oven-cooked meals.

✓ Maintenance

Keep appliances in good working order so they will last longer, work more efficiently and use less energy.

✓ In the workshop

Keep cutting edges sharp. A sharp bit or saw cuts more quickly and therefore uses less power.

✓ Test the seal

Make sure your refrigerator door seals are airtight. Test them by closing the door over a piece of paper or a dollar bill so it is half in and half out of the refrigerator. If you can pull the paper or bill out easily, the latch may need adjustment or the seal may need replacing.

David Meredith

✓ Outdoor lighting

Use outdoor lights only when they are needed. One way to make sure they're off during the daylight hours is to put them on a photocell unit or timer that will turn them off automatically.

✓ Water heater purchase

Energy efficient water heaters may cost a little more initially, but reduced operating costs can more than make up for the higher outlay. Check the Energy Guide label to help choose an energy thrifty heater. Check with Illinois Valley Electric Cooperative to find out about its Sepco energy-efficient water heater at a big savings!!

**Is this your account number?
0001695500**

You could be a prize winner! If your name appears in this center section, mixed in with copy, call

Toll-free — 800-654-1088

1992 Annual Meeting

Illinois Valley Electric Cooperative

Princeton High School Auditorium

103 South Euclid Avenue • Princeton, Illinois

Come early – Visit the exhibit booths and bargain table

Tuesday, August 4, 1992

- ★ Registration Begins at 11:00 A.M. ★ Meeting will start at 1:00 P.M.
- ★ Complimentary dinner to be served in cafeteria beginning at 11:15 A.M.

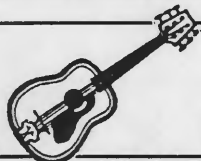


*** Complimentary dinner ***

- * Ribeye and pork chop sandwich
- * Potato salad and baked beans
- * Your choice of lemonade, iced tea, coffee
- * Dessert — ice cream

Registration prize

\$5.00 credit coupon to be awarded to IVEC members upon registration. This credit can be used on your next electric bill.



Entertainment

Prior to meeting in auditorium beginning at 11:30 A.M.
Featuring: Jerry Hanlon Show * Singer-Songwriter * Yodeler

- Marketing and load management exhibits
- Energy\$Teller exhibit for auditing electric usage in your home
- High blood pressure check – American Red Cross
- Soyland Power Cooperative information table and exhibit
- Rural TV subscription and satellite dish antenna installation exhibit
- 800-MHZ radio system and telephone interconnect exhibit
- Electrical safety demonstration and pedal power display

Special bargain table!!

Discounted prices to IVEC members only!

All of these items available at low prices

- | | | |
|------------------------------|--|--------------------------------------|
| ● Electric griddle | ● Digital clock radio | ● 3-D size flashlight with batteries |
| ● Electric pencil sharpener | ● 1/2-gal. jug | ● Automatic night light |
| ● Souper pot (Dutch oven) | ● Clock/timer | ● Smoke detector |
| ● Can opener/knife sharpener | ● Long life light bulbs/130V (4-pak) | ● 6-outlet surge suppressor |
| ● 4-qt. ice cream freezer | (40, 60, 75, 100W sizes available) | ● Steam/dry iron |
| ● Beverage whip | ● 3/8" variable speed reversible drill | |

Limited availability of some Bargain Table items. Cooperative has right to substitute.

Drawing For Grand Prize

20-inch Magnavox color television
with stereo and remote

**Plus other prizes to be awarded
after meeting including:**

- Royal Dirt Devil hand held vacuum cleaner w/attachment kit
- Shop-Vac 5 gallon plastic wet-dry
- Litex "Crown 52" hugger ceiling fan
- AT&T answering system
- GE Spacemaker AM/FM clock radio w/cassette player
- Maverick deluxe electric indoor grill
- Rival 5-qt. deluxe ice cream freezer
- Cheyenne 28" solid oak and glass table lamp

IVEC members . . .

Enhance Your Communications!!!

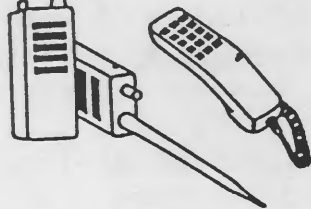
Portable or mobile radio and telephone service

from

Illinois Valley Electric Cooperative

Route 6 & 34 West

Princeton, Illinois 61356



Providing

MOTOROLA

COMMUNICATION PRODUCTS

Throughout the life of their product line, Motorola continually verifies dependability and quality for all your communication requirements.

Wide-area coverage available

Call Toll Free 800-654-1088 for more information.

The Radio System features the following specifications:

- ★ The 800 MHZ Frequency Trunking System "pools" several radio channels so that all users in a given area have automatic access to any free channel.
- ★ You have immediate access to all available frequencies.
- ★ A trunked system provides added privacy to conversations.
- ★ Interruptions from outside conversations are almost impossible.
- ★ Operation is simple: After the volume level is set, the push talk button is the only control needed.

All these features for as little as \$7.00 per month.

Optional Telephone Interconnect

- ★ If your mobile radio is equipped for telephone, by merely the push of the phone button, your mobile radio connects you to a commercial telephone line. After the dial tone is heard, your mobile radio "becomes" a telephone.

This feature for as little as \$11.45 per month.

******* Special announcement *******

Attention all Illinois Valley Electric Co-op customers utilizing the IVEC mobile radio/telephone system:

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Illinois Valley Electric Cooperative

IVEC members . . .

- ★ save on the cost of a new electric 60- or 80-gallon water heater.
- ★ earn credit on your monthly bill.

**Purchase a
new SEPCO
energy
efficient
water heater
from IVEC**

You Can Heat

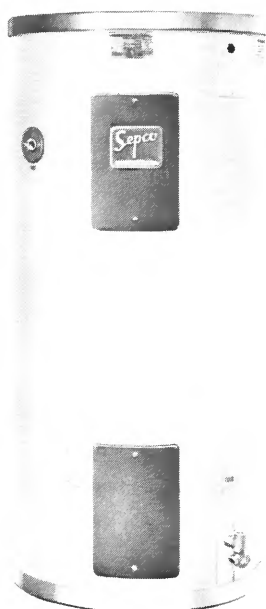
electrically

and . . .

- earn monthly credit
with a timer switch

\$8.00

**No obligation. For details, call our Member Services Department
toll-free 800-654-1088.**



Low, Low Price . . .

\$125.00

From your cooperative

**Need a new
water heater?**

Should you need to replace your existing water heater, keep in mind that IVEC has 60-gallon and 80-gallon water heaters available for \$125.00 to members only. If the timer clock is installed, the \$125.00 will be rebated to you after 30 days.

**IVEC members . . .
Do you have an
electric water heater?**

If you do, you should consider installing a "timer clock" provided by Illinois Valley Electric to receive an \$8.00 per month credit. This is a guaranteed savings that totals \$96.00 per year.



Board Room Report

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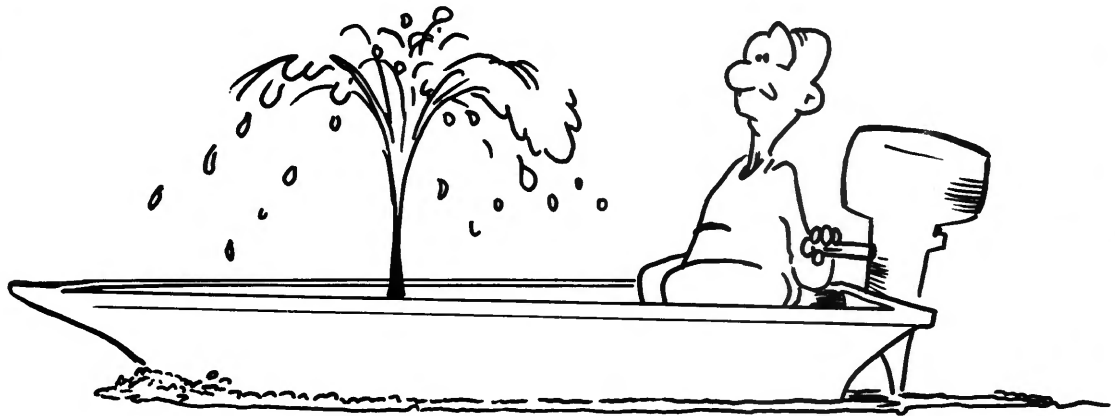
reviewed and discussed.

The following items were discussed and/or moved on:

1. The board moved and approved the by-law amendment changes made for director redistricting to be shared at the annual meeting with the cooperative membership in August 1992.
2. The board moved and approved to have the Director Nominating Committee meet at 3 p.m. on Tuesday, June 23, 1992.
3. A motion was made and approved to purchase a water furnace to use as a demonstrator for Turczyn Heating and the cooperative's other water furnace dealers.

The next board meeting is scheduled for June 23, 1992, at 11 a.m. The July board meeting will be held on July 28, 1992. The August board meeting has been scheduled for the 25th.

Save yourself!



Ahoy, neighbor! There you are, enjoying life's passing scene, when you get the odd feeling that there's a leak somewhere. At first, maybe your feet are a little chilly. Before long, your whole body may have this uncomfortably cool sensation. No doubt about it. There's a draft around here.

All it takes is a slim space one-twelfth of an inch wide around a door or window in your house. That's like a hole in your wall 4 by 5 inches wide, letting in our frosty Midwestern winter and letting out all that air you're heating and cooling. It's enough to sink your energy budget.

SAVE YOURSELF...all those dollars that are seeping through your home's cracks and insufficient insulation. Save yourself now, before your timbers start to shiver. Modern weatherization — such as weatherstripping, caulking around windows and doors, and adding efficient insulation in the attic — will pay for itself in lower heating and cooling costs. Your electric cooperative has a crew that can advise you on the best course for your particular home. Fix those leaks now. Winter will be here sooner than you think.



Electric Cooperatives of Illinois

Good for ALL Illinois

Air conditioning

A cool idea that changed society

Miami was a sleepy outpost, Las Vegas an obscure crossroads, and the American Southwest was thinly populated as the bulk of the nation's population crammed itself into the country's northeast quarter.

Then came air conditioning. Of all the electric appliances that have changed our lives in the past half century, it could be that air conditioning has had the most profound impact.

It is difficult to imagine a United States — easily the most air-cooled society in history — without air conditioning. More than 90 percent of the new cars we buy are equipped with air conditioning. Sociologists credit the air conditioner with changing the nation's population patterns and basic modes of living. So it is curious that its primary function, cooling the air, was an afterthought to its inventor.

In 1902, Willis Haviland Carrier, a 25-year-old engineer, was asked to consider a problem deviling a Brooklyn publishing company. On humid summer days, the paper used in the company's printing presses would absorb moisture and swell, causing difficulties in color printing.

Carrier figured the best way to remove the moisture from the air was to cool it, so he designed what he called "an Apparatus for Treating Air" — machine that blew air over cooled pipes.

The air conditioner had been invented, but it would be a dozen years before anybody thought to use it for the express purpose of cooling tortured humans. That happened in 1914 when Carrier designed one of his machines — a behemoth measuring 20 feet long, six feet tall — to cool the mansion of Charles G. Gates in Minneapolis.

Soon movie theaters across the country were touting their "Comfort Cooling" or "Air Chilled" interiors, sometimes in larger marquee type that the movies being shown. Hospitals added air-conditioned chambers to make operating more sanitary.

Almost without notice, air conditioning was having a far more profound effect on America than a trip to the movies or a relatively rare surgery.

In the late 1920s, air conditioners were installed in the chambers of the U.S. Congress; the White House and the Supreme Court followed in the early 1930s. This led directly to longer sessions of Congress, a development that for good or ill changed the way we're governed.

The social impact of air conditioning is a hot topic for historians and social scientists. Raymond Arsenault, a professor at the University of South Florida, said his interest in the subject began



innocently when he asked his wife what he should teach his students about the post-World War II South.

"My wife said, 'Tell them about air conditioning. That is what recent Southern history is all about,' " he said. Air conditioning made living in cities far more bearable and made the South more attractive to northeastern industries considering relocation.

Since the 1940s, the proportion of Southerners living in urban areas has doubled, and the average wage in the South has risen from 52 percent of the national average in 1930 to 90 percent of the national average by the mid-1980s.

Air conditioning made places like Las Vegas and Walt Disney World possible. By 1980, even the Alamo was air conditioned. As Arsenault noted, in that year Houston, Tex., spent \$66 million on air conditioning, an amount that exceeded the Gross National Product of some Third World nations. As one journalist said, "Two of the country's fastest-growing cities — Houston and Dallas — would probably be provincial backwaters today without air conditioning."

That's all to the good, most agree. But some lament that something has also been lost: A slow pace, a rhythm of living that involved long visit with family, weekend picnics to the nearest shady grove or swimming hole, evening stretching from dusk to moonlight spent on a front porch swing.

That style of living is gone with the cool jets of air issuing from the nearest central air unit or heat pump. And not everyone is happy with that.

"It has ruined us," said one man who spent his life, as his parents did, in Jackson, Miss.

That's a nostalgic idea, but try selling it in Phoenix or St. Louis the next time the sweat-o-meter — a human's internal gauge of heat and humidity — hits triple digits.

—Rural Electric News Service

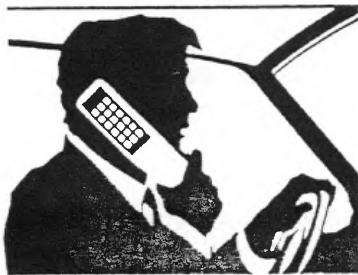
Illinois Valley Electric Cooperative

***** Available options and programs *****

For Illinois Valley Electric members

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.

***** Featuring this month *****



Two-way mobile or portable radio system featuring a 800-MHZ frequency trunking capability

- ★ For as little as \$7.00 per month
- ★ Optional mobile or portable telephone service
- ★ Wide area coverage available
- ★ Motorola communications equipment

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.5 cents kwh — \$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate — back-up heat for geothermal and dual energy "all-electric" systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only — \$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement if electric water heater is controlled by timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency — ground source GTS ★ better than gas furnace ★ clean energy
 - ★ off-peak rate of 3.5¢ kwh with ETS secondary heating ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems — C-Band (24 channel) — Ku-Band (32 channel)
- Rural TV satellite program subscription packages — Basic Service \$11.95 mo. — HBO \$7.95 mo. — Cinemax & Disney \$14.95 mo. — other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August — \$40 total benefit — no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$11 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service — low monthly rates
- Six bill payment locations throughout IVEC's service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail with this month's REN issue. If you want more information about the above programs, contact Illinois Valley Electric's Member Services Department at toll-free 800-654-1088.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Emergencies — call toll-free 800-654-1088 — 24-hours a day

Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, Vincent Fredrickson, Victoria, District 9; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; John Knueppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; John Scott, Neponset, District 8; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.



Three directors reelected at meeting . . .

Illinois Valley Electric Cooperative manager T.L. Christensen, left, congratulates three directors of the cooperative on their reelection to three-year terms on the Illinois Valley board of directors. The election was held during Illinois Valley's 53rd Annual Meeting of Members August 4 in Princeton. Unanimously reelected by Illinois Valley members were, from left; Marion Rieker of Sheffield, Robert Sondgeroth of Mendota and Vincent Fredrickson of Victoria.

Your annual meeting report

Higher rates, director redistricting and director elections were the main items of business at the 53rd Annual Meeting of Members of Illinois Valley Electric Cooperative August 4 in Princeton.

Marion Rieker of Sheffield, Robert Sondgeroth of Mendota and Vincent Fredrickson of Victoria were reelected to three-year terms on the cooperative board of directors. The election was by unanimous vote with no opposition. Fredrickson has served Illinois Valley members since 1980, Sondgeroth since 1982 and Rieker since 1983.

Cooperative president Earl Bates of Kewanee advised members that rates will increase an average of 5 percent effective September 1. "For a typical member using 1,000 kilowatt-hours per month, the increase will amount to \$4.76, or approximately 3.5 percent," Bates said.

T.L. Christensen, IVEC general manager, said two factors are driving the cooperative's need for increased revenue — storm damage and the age of

the cooperative system. He said storms in late 1990 and early 1991 did \$1.5 million in damage to the Illinois Valley system. Although service was quickly restored, the damaged lines need to be rebuilt. In addition, the cooperative has more than 600 miles of line built in the 1940s and another 300 miles of line built in the 1950s that need to be upgraded.

"We have a loan application pending with the Rural Electrification Administration for \$1.5 million to rebuild 52.27 miles of storm-damaged lines," Christensen said. "In addition, our new two-year work plan calls for \$4.6 million to replace 81 miles of aging and deteriorating lines."

The aging of the IVEC system will require that the cooperative invest \$2 million per year for the next 10 years to replace all lines more than 50 years old. "It is imperative that these lines are replaced so that members will have reliable service and so that our system is better able to with-

stand the high winds and ice that strike our territory periodically," Christensen said.

The bylaw amendment approved by voice vote of the members will redraw the nine districts from which members of the Illinois Valley board are elected. Prior to redistricting, districts varied in size, from as few as 259 members in District 8 to 1,170 in District 5.

Under the plan approved by the members, director districts will vary in population only from 488 to 546 members.

"Just as national and state legislative districts must be reapportioned periodically to ensure equal representation of citizens, electric cooperative districts must remain balanced to ensure

equal representation of all members within the cooperative," Christensen explained after the members' meeting. "The bylaw amendment approved by our members will ensure equal representation for all members," he added.

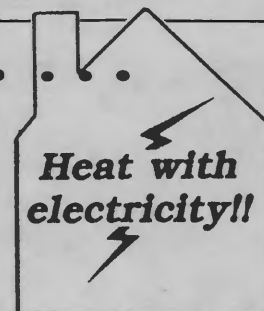
Following the annual meeting of members, the board of directors met to reorganize for the coming year. Bates was reelected president; John Scott of Neponset, vice-president; and Joe Danielson of Princeton, secretary-treasurer.

Illinois Valley Electric Cooperative is a not-for-profit member-owned electric utility serving mostly rural portions of Bureau, Knox, Henry, Putnam, Stark, LaSalle, Marshall and Kendall counties.

Heat electrically at low cost

IVEC Members

**You can heat your home
for 3.5¢ per kilowatt-hour!**



If you have or will have electric heat installed in your home, ask us about supplemental electric thermal storage (ETS) heating, available through Illinois Valley Electric. You can lower peak demand and provide savings for yourself and all cooperative members.

Join the Dual Source Heat Program and qualify for the 3.5¢ per kilowatt-hour rate. At times of peak electrical use, when your primary electric heat source is automatically switched off for a short period, the ETS unit is the secondary source of warmth.

Also, rebates of \$75.00 per KW installed up to \$3,000.00 for all-electric installations are offered when you purchase the ETS unit. You can take advantage of the low Dual Electric Heat Rate when you control your primary electric heat at certain times during the months of December, January and February.

With an ETS heater, your all-electric home can have a secondary electric heat source. And, it's less expensive than other secondary sources, such as gas or fuel oil furnaces.

ETS heating is most suited for members who have existing electric baseboard, ceiling cable electric heating, electric furnace or heat pump. The ETS unit contains ceramic bricks which have high heat retention characteristics. The bricks are placed around electric heating elements that will operate on off-peak times.

Our Dual Source Heating Program also combines using primary electric heat with a fossil fuel backup. A \$400.00 maximum rebate qualifies for this option and you can heat at the 3.5¢ per kilowatt-hour rate.

This special off-peak dual heat rate is based on a differential from the Schedule A "end block" rate. The differential will always be in place allowing electric heat to be a competitive energy source.

Contact the Member Services Department at Illinois Valley Electric for more details at toll free 800-654-1088.

**Is this your account number?
0000130504**

You could be a prize winner! If your name appears in this center section, mixed in with copy, call

Toll-free — 800-654-1088



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 11:00 a.m. on Tuesday, June 23, 1992, with all directors present except Robert Sondgeroth. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved on:

1. The board moved and approved to pledge money to Northern Illinois Industrial Development Corporation.
2. It was moved and approved to appoint director Vincent Frederickson to serve on the board of directors at AIEC in Springfield for 1992-93.

Director Robert Sondgeroth will be the alternate.

3. It was moved and approved that director Marion Rieker serve as the voting delegate to the AIEC annual meeting in Springfield in August 1992. Director Ralph Freebairn will be the alternate.

4. It was moved and approved to appoint director Vincent Fredrickson as voting delegate to NRECA and director Marion Rieker will be the alternate. These directors will also serve as the CFC delegates.

5. It was moved and approved to appoint director John Knueppel as delegate for Illinois State-wide Power Cooperative at the AIEC annual meeting in Springfield in August.

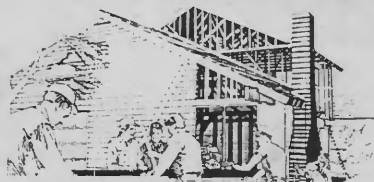
6. Plans are being made for the 53rd IVEC annual meeting. It will be held August 4, 1992, in the Princeton High School. A meal will be served from 11:15 a.m. to 1:00 p.m. Registration will begin at 11:00 a.m. and end at 1:00 p.m. at which time the business meeting will begin. Entertainment will be provided in the auditorium beginning at 11:30 a.m. The annual meeting booklet will be mailed in late July.

The next board meeting is scheduled for July 28, 1992, at 11:00 a.m. The August board meeting will be held on August 20, 1992. The September meeting is tentatively scheduled for the 22nd.

Norma Nordtvedt

Member Services

Use electricity in your planning!!



When you decide to remodel your home or build a new house, the options for your home's energy source may seem puzzling. They aren't.

Once you've reviewed them, you'll choose electricity. When electricity is your power of choice, you've chosen the safe, dependable, cost-effective alternative. No flames or fumes in the house. No fuel tanks to fill or sudden shortages. Just set the thermostat and relax.

Be careful with the trees, please

Are you planning to clear land or get rid of dead trees?

Cutting down trees is serious business, and observing a few rules will help you accomplish your task safely.

- Always look overhead and to all sides surrounding your cutting site. Make sure the tree will not come into contact with any power lines

when it falls.

- If a tree does fall into a power line, or you come across a tree that has already fallen, do not — under any circumstance — try to remove it.
- Stay clear of the tree and the line, and call us soon as possible. We'll send a crew right away to take care of the problem.

Contact us for more advice before you begin your tree-trimming. We'll be happy to share more safety measures with you.

Office closing

The Illinois Valley Electric Cooperative office will be closed on Monday, September 7, in observance of Labor Day. Please call toll free 800-654-1088 to report emergencies. This service to IVEC members is available 24 hours per day.

LABOR DAY



The board, management and employees wish all members and their families a safe and enjoyable holiday.

Heat/cool
with
electricity

System:GT[®]

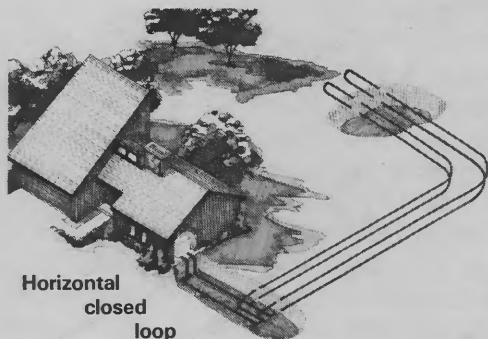
Geothermal heating, cooling and water heating

Heat/cool
with
electricity

Heat and cool with 300% efficiency

IVEC members, now you can get maximum comfort, energy and cost savings from a system designed to use natural energy from the earth.

Better than the Best Gas Furnace!



What is a Geothermal system?

Geothermal is the safest, most-energy-efficient, pollution-free heating and cooling system available.

Basically it looks like a normal furnace, but that's where the similarity ends. Because it burns no fossil fuel, it emits no pollutants, thus, no chimney is required. Therefore, it can be installed almost anywhere, in a basement, crawlspace, attic or closet.

Geothermal is a complete home heating system.

In the summer, select the cooling mode on the thermostat and the geothermal system is your complete home cooling center. Geothermal can also supply most of your domestic hot water requirements. Customers report savings up to 60 percent heating their homes. Cooling cost reductions of 50 percent are not uncommon.

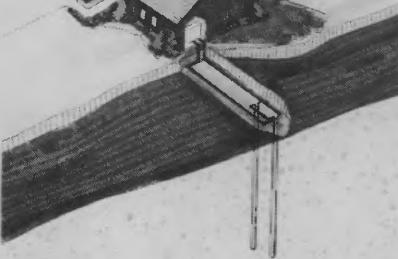
How does it work?

Sized to individual requirements, lengths of plastic pipe are buried in the ground either vertically or horizontally, depending upon lot size.

After installation, this sealed "loop" is filled with water and an anti-freeze solution. This assures a maintenance-free circulation system.

Warmed by the earth, incoming water in the loop is pumped to the geothermal unit where heat is extracted in the heat exchanger. Liquid freon is vaporized by this heat, pressurized by the compressor, and pumped through the air coil at approximately 190 degrees F to 200 degrees F. Return air is forced through the coil by the blower and the subsequent warm air is distributed throughout your home in the normal manner, using a system of ducts.

In the summer, the system reverses the process, extracting heat from inside the building and discharging it to the ground loop and domestic water heater where the cooling cycle begins.



Vertical closed loop

Because we are dealing with relatively constant ground temperatures, the geothermal system has a three-to-one efficiency ratio, thereby realizing substantial energy savings.

Let the ground you walk on heat and cool your home!

Cash rebates

- Illinois Valley Electric will rebate \$75 per kw installed up to a maximum \$3,000.00 for the all-electric geothermal system.
- Additional bonus of \$1,500 to the first six homes that install a new geothermal system in 1992.
- Ask about IVEC's off-peak rate of 3.5 cents/kwh for more savings combining geothermal heating with ETS secondary heating.

Substantial savings

We will help
you watch
your energy cost.

You'll think your energy bill is on a crash diet. But reduced energy costs are common with a geothermal system.

- ☆ Economical
- ☆ Safe
- ☆ Clean
- ☆ Competitive

For more details

- Call Illinois Valley Electric at toll free 800-654-1088 or the following WaterFurnace dealers
- Philhower Electric Plumbing & Heating
Main Street
Tiskilwa, IL 61368
(815) 646-4481
- Turczyn Heating and Air Conditioning
1328 Pulaski Street
Peru, IL 61354
(815) 223-0715
- Energy Specialists Co.
224 N. Main Street
Toluca, IL 61369
(800)782-7491

Illinois Valley Electric Cooperative

IVEC MEMBERS!! Subscribe to Rural TV . . . Satellite TV Equipment and Programming Available

Call Illinois Valley Electric Cooperative • Phone 800-654-1088

There are over 150 unscrambled channels available plus the following subscriptions:

Expanded Basic 28 channels for \$19.95 per month

Arts & Entertainment	WWOR	Lifetime	Country Music Television
Discovery Channel	ESPN	Family Channel	Headline News
*Learning Channel	WTBS	*Nostalgia Channel	Nashville Network
Nickelodeon	CNN	Prime Network	PrimeTime 24 (WABC, WXIA, WBBM)
*Travel Channel	VH-1	USA Network	Superstar Connection (KTVT, WGN, WPIX)
Weather Channel	MTV	WSBK	*Black Entertainment Television

*unscrambled channels

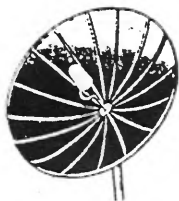
Basic Service 16 channels for \$11.95 per month

Nashville Network	Discovery Channel	Country Music Television	ESPN
Family Channel	Headline News	*Learning Channel	CNN
Nickelodeon	*Nostalgia Channel	Superstar Connection (KTVT, WGN, WPIX)	WTBS
USA Network	*Travel Channel		

*unscrambled channels

G1 Package 11 channels for \$8.95 per month

Arts & Entertainment	CNN	Country Music Television	Discovery Channel
ESPN	Family Channel	Headline News	Nashville Network
USA Network	WGN	WTBS	



INITIAL SET UP CHARGE
(ONE TIME FEE): \$10.00

TO CHANGE SERVICE
SUBSCRIBED TO: \$5.00

ADDRESS CHANGES: . . . \$1.00

REHIT CHARGE: \$5.50

Our premium channels

Programs	Per Mo.	
HBO	\$7.95	
Cinemax	7.95	
Disney	7.95	
Showtime	7.95	
The Movie Channel	7.95	
HBO, Cinemax, Showtime, The Movie Channel and Disney Combinations		
Any 2 services	14.95	
Any 3 services	20.95	
Any 4 services	27.95	
All 5 services	33.95	
Satellite Sports Network	8.55	
Home Team Sports	MSG	PSN Rock Mountain
HSE	PASS	PSN Upper Midwest
KBL Network	Pacific Sports	Sport South
Midwest Sports	Prime Ticket	Sunshine Network

uniden[®]
Satellite Television Systems



Full one-year warranty
on every satellite component

Call toll free
1-800-654-1088

Ask for a Member
Services Representative



Complete satellite television systems installed by IVEC!

*** Check this low installation price!!!! ***

Special Price (C Band-24 Channel)	\$ 1,480.00
Sales Tax	\$ 92.50
Equipment Price + Tax	\$ 1,572.50
Installation	\$ 425.00
Total Price	\$ 1,997.50

Special – for July and August only – 10% off installation price!!!

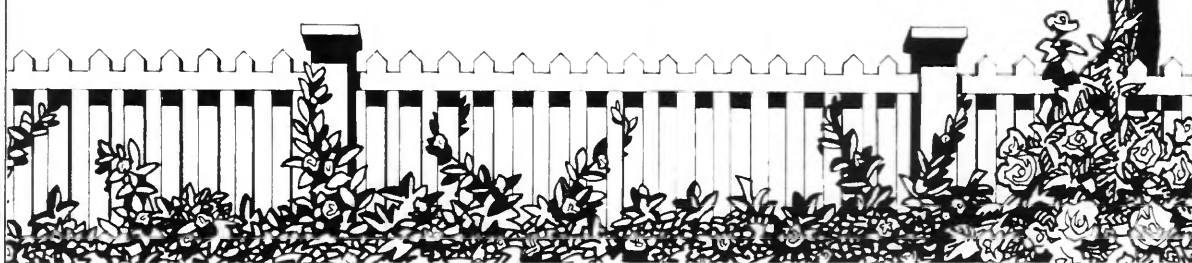
Leave my tree alone!

The trees in our yard. Their shade mixes well with lemonade on a summer afternoon. Their branches mix well with kids, who turn them into fortress walls, or daydream hideouts. Unfortunately, they don't mix well with power lines, not at all. It can mean "lights out."

Your electric cooperative routinely inspects its miles of line each year to make sure they are clear of brush and branches. Trimming is necessary, but our crews try to keep the natural attractiveness of the trees as they work.

You can help, too. The best time to avoid the problem is when you plant. Make sure the growing tree will stay clear of power lines. Proper pruning of young trees controls their branch growth.

Plant wisely. You'll enjoy the pleasures of your trees and the constant convenience of electricity.



Electric Cooperatives of Illinois

Good for ALL Illinois

I wanted some answers

I'm 32, I've got a wife and a son, and I'm on electric cooperative lines.

When I moved into this subdivision, I didn't know much about cooperatives. They did good work 50 years ago bringing lights to the farms, but that doesn't mean much to me today. I just want good electric service and I don't want to pay a lot.

My first bill was a little more than I expected, so I went to my co-op to get some answers. They were very helpful, and I learned some things. Like rural co-ops have fewer customers per mile of power line than city utilities do, so there are fewer people to share the expense. That makes sense. And it costs more to maintain lines that go for miles into the countryside. I can understand that, too.

I also learned that I'm a member of my utility, not a customer. I can elect neighbors to serve on the co-op board of directors, or I can even run myself. I'd never heard of such a thing.

I brought home some of the co-op's brochures about rate programs that can help lower my bills and use electricity more efficiently. I think there are a couple I can try.

This was all pretty new to me. *There's more to an electric cooperative than a monthly bill in the mail.*



Electric Cooperatives of Illinois

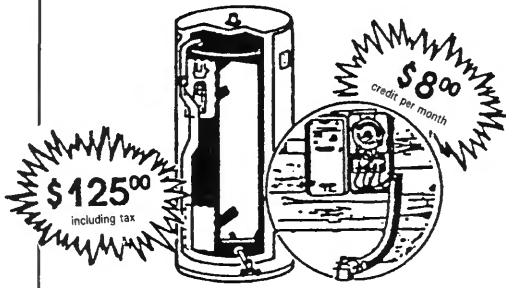
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IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



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Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

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Your board of directors

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Bush names Huff REA Administrator

President Bush has named James Huff Sr., a Mississippi farmer and retired businessman who directed that state's Farmers Home Administration office, to head the Rural Electrification Administration (REA).



Huff

"His farming, ranching, manufacturing, and government experience make him the perfect choice to lead the REA," Bush said.

Huff's nomination to the 10-year appointment as REA administrator has been approved by the Senate.

The REA, which is a part of the U.S. Department of Agriculture, plays a vital role for the nation's 1,000 consumer-owned electric utilities by providing loans and loan

guarantees that help maintain and extend electric service.

Huff is the 11th REA administrator, he succeeds Gary Byrne, the former California banker who left the agency late last year for a seat on the Farm Credit Administration board.

Huff directed the Mississippi office of the federal Farmers Home Administration since November 1989, over-seeing a \$2.2 billion farm and rural housing loan program that serves some 65,000 borrowers. He operates a 600-acre cattle ranch and tree farm in the south-central part of the state, and worked for more than 30 years with a nearby building products company.

The Electric Power Associations of Mississippi cited Huff's background when the state rural electric organization's board passed a resolution supporting his nomination.

In Washington, Huff received statements of bipartisan support from the state's congressional delegation.

International electric projects help environment

The nation's consumer-owned electric utilities are taking small but important steps around the world to protect the environment, an electric cooperative representative told a post-United Nations conference.

Those steps were described in a paper presented at a meeting on international cooperation, by Roy Palk, Assistant General Manager of the National Rural Electric Cooperative Association (NRECA). NRECA, based in Washington, D.C., represents the nation's 1,000 consumer-owned utilities. The meeting, arranged by the State Department, followed 10 days of U.N. negotiations dealing with international plans for environmental protection.

Palk described several NRECA international ac-

tivities that are paying environmental dividends:

- Watershed management. NRECA is directing a tree-growing project upstream from a hydroelectric dam in Guatemala. That project will reduce soil erosion. In addition, since trees absorb carbon dioxide, a "greenhouse gas" that may contribute to global warming, the project can serve as an example of reforestation.

- Renewable energy projects. NRECA has worked with co-ops throughout the world on small hydroelectric and other renewable energy projects.

- Power line network extensions and efficiency. Making better use of electricity from centralized power plants can result in reduced emissions from

(Continued on page 12d)

(Continued from page 12c)

numerous small diesel plants throughout an area.

• Surplus materials. By sharing equipment with counterparts overseas, U.S. co-ops make possible greater use of clean electricity, ease demands on landfill space, and save energy needed to make new materials. "It's global recycling," Palk said.

Ecowatts: electricity with ecology in mind

Some technologies can perform work better with electricity than with other fuels. That's an old premise with a new name: ecowatts. According to Mark P. Mills, the energy consultant who came up with the name, ecowatts means using elec-

tricity instead of another fuel and gaining benefits for the global environment, with a side benefit of gaining convenience or economic advantage or even easing local pollution. He uses lawn mowers as an example.

A standard gasoline mower with three horsepower uses a quart of gasoline in two hours. The same job can be done with electricity using 2.2 kilowatt-hours (about a tenth of what a home uses in a day). Burning the gasoline releases 36,800 BTUs of heat. By contrast, the electricity creates 24,400 BTUs, an increase of one third in efficiency.

Also, over a seven-year lifetime, an electric lawn mower would cut carbon monoxide, hydrocarbons and other pollutants, and that's important in a country that has about 84 million lawn mowers.

Tim Quart



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 10:30 a.m. on Tuesday, July 28, 1992, with all directors present except Ralph Freebairn and Dorothy Wilson. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board

concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved on:

1. The cost-of-service study was received and discussed in great detail. Also, the need for increased future revenue to repair storm damage and replace aging utility plant facilities was discussed. After due consideration, a general rate increase was approved amounting to just less than 5 percent.

2. The NRECA Region V meeting will be held in Stevens Point, Wisconsin, September 15 through September 17, 1992.

The next board meeting is scheduled for August 20, 1992, at 11 a.m. The September board meeting will be held on September 22, 1992. The board meeting for October is scheduled for the 27th.

Two-Way Radio and Telephone Service

Offering Area
Wide Coverage

Reach your people —
in the field or on the road.

Offering Motorola
quality products

The Radio System Offers the Following Specifications

- ★ The 800 MHZ Frequency Trunking System "pools" several radio channels so that all users in a given area have automatic access to any free channel — privacy — no fade area.

All features for as little as \$7.00 per month.

Optional Telephone Interconnect

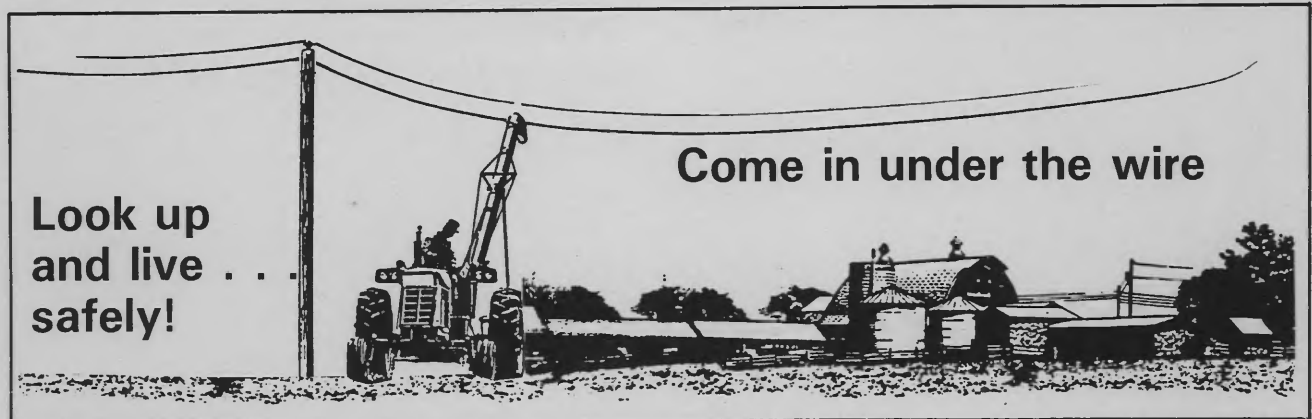
- ★ If your mobile radio is equipped for telephone, by merely pushing the phone button, your portable or mobile radio connects you to a commercial telephone line. After the dial tone is heard, your radio "becomes" a telephone.

This feature for as little as \$11.45 per month.

Call Toll Free 800-654-1088 — Ask for a Member Services Representative

MEMBER SERVICES

Member Services



Look up
and live . . .
safely!

Come in under the wire

Play it safe during harvest

They say you reap what you sow.

If in fact actions lead to the resulting consequences, many accidents could be avoided if time is taken to think safety first.

Illinois Valley Electric Cooperative wants to remind its members that all year-round, on the farm, in the home, or on the road, safety must be a conscious priority. Specifically during harvest time, many avoidable accidents occur in rural areas.

Modern farming requires the use of large complex machinery. Each year, a tragic number of accidents are caused by careless handling of farm equipment around electric power lines. Illinois Valley Electric Cooperative urges you to use caution at all times — to watch for overhead power lines and utility poles to avoid any contact with this potentially lethal power equipment.

Insist that hired hands and family members learn to survey their working area carefully before operating farm equipment. Have every worker make sure the equipment he is using will not come into contact with power lines, poles or power-support equipment.

Although you may have no power lines in your fields, they are usually present in equipment storage areas and grain storage areas.

Be sure paths from equipment storage areas to fields and from fields to grain storage areas are safe routes. There should be ample clearance for combines, pickers, balers, front-end loaders, stackers or any other equipment you're moving about your farm.

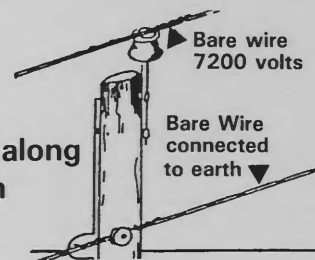
**Is this your account number?
0003817001**

You could be a prize winner! If your name appears in this center section, mixed in with copy call

Toll-free — 800-654-1088

**Are you
aware?**

that electric lines along
roads and through
fields are bare!



If there is any question about whether equipment will clear a power conductor, assume it won't and take a different route.

More often than not, power lines follow property lines. When you reach the end of a field and turn your equipment, there's a very good chance power lines will be nearby. Always be alert to power lines along your property lines. They may even be hidden by trees or brush, so take precautions to ensure your equipment doesn't make contact.

Grain augers and bins are often used along property lines, too, since such placement makes the best use of the land. Again, be sure the augers don't contact power lines.

Crop-storage equipment such as augers, balers and stackers can be extended in height to exceed electric code clearances for power lines. Take precautions to be sure the stacking equipment won't contact the lines. It only takes one mistake to bring tragedy.

If contact is made while you are on the equipment, remain on the machine and call for help. Have a family member or neighbor call the cooperative and a crew will be sent to disconnect power.

If no one is around to help, jump free of the equipment to the ground. Be sure that at no time you or anyone touches the equipment and the ground at the same time.

Make it a safe autumn season. Think "safety first."

Better than the Best Gas Furnace!

System:GT

Geothermal heating, cooling and water heating

Heat with electricity!!

☆ **Economical** ☆ **Safe** ☆ **Clean** ☆ **Competitive**

No matter what you've heard about "high efficiency" gas furnaces, there's a heating and cooling system that's up to three times more efficient than the best of them. The System:GT ground source heat pump system.

Not only is a System:GT 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 System:GT can even provide your home with hot water!

We can show you the details of how a System:GT 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.

If you're ready to experience ultimate comfort, efficiency and savings, talk to us about the ultimate heating and cooling system.

System:GT

Because no matter what you've heard about "high efficiency" gas furnaces, nothing beats a System:GT. Call a System:GT dealer or Illinois Valley Electric Cooperative for more information.

** For more details **

- Call Illinois Valley Electric at toll free 800-654-1088 or the following System:GT dealers
- Philhower Electric Plumbing & Heating
Main Street
Tiskilwa, IL 61368
(815) 646-4481
- Turczyn Heating and Air Conditioning
1328 Pulaski Street
Peru, IL 61354
(815) 223-0715
- Energy Specialists Co.
224 N. Main Street
Toluca, IL 61369
(800)782-7491

*** Cash rebates ***

- Illinois Valley Electric will rebate \$75 per kw installed up to a maximum \$3,000.00 for the all-electric geothermal system.
- Additional bonus of \$1,500 to the first six homes that install a new geothermal system in 1992.
- Ask about IVEC's off-peak rate of 3.75 cents/kwh for more savings combining geothermal heating with ETS secondary heating.

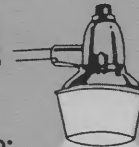
Heat/cool
with
electricity

Heat and cool with System:GT – 300% efficiency

Put a little security in your night!

Sign up today for a rental security light and no maintenance headaches

Rent a light from IVEC!!!



Here's an excellent opportunity
for less than \$12.00 per month!

Clip and mail to:
Illinois Valley Electric Cooperative, Inc.
Attention: Security Light
P.O. Box 70 Princeton, IL 61356
or call toll free 1-800-654-1088

Name _____ Date _____

Address _____

(RR # and Box #)

(City)

(Zip Code)

Home Phone _____ Work Phone _____

Location Number _____ Account Number _____

(Listed on your bill)

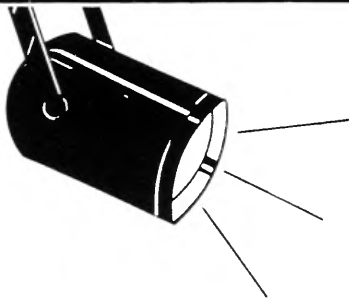
(Listed on your bill)

Security Light Installation: Meter Pole _____ Transformer Pole _____

Face the Light: South _____ West _____ North _____ East _____

I would like Illinois Valley Electric Cooperative to install a new 100-watt high-pressure sodium vapor security light at the above location for a period of one year. Service will continue at the end of the time period unless either party gives written notice for discontinuance. IVEC will install, service, maintain and provide electricity to operate the light from dusk to dawn. I agree to pay the rental charge for the light per month after installation. I understand the security light remains the property of IVEC.

Member Signature _____



1992 Annual Meeting highlights

Drawing prize winners

Grand prize winner
20-inch Magnavox Color Television
James Stuepfert, Sheridan

Other prize winners

George Wilsey, Kewanee
Earl & Evelyn Marit, Walnut
James G. & Margaret Lair,
Dahinda
John C. Ott, Lafayette
J. Steven Barlow, Princeton
Weldon & Shirley Oetken,
Marseilles
Glenn Sommerville, Mendota
Anthony A. Pavinato, Spring
Valley
Gary Setchell, Ottawa
Leslie Wiley, Cambridge
Agnes Harth, Mendota
Deborah Gould, Princeton
Harry G. & Mary V. Wallace,
Galva
Tilio Primo, Sheffield
George A. & Helen V.
Swanson, Princeton
Paul Yucas, Spring Valley
Glen E. Kimberley, Princeton

Donald & Barbara Marquis, Buda
Ralph & Helen Peterson,
Altona
Peter J. & Mary A. Hanley,
Utica
Roy Romagnoli, Princeton
Robert & Marcelene Godke,
Kewanee
Donald McNally, Arlington
Carl L. Cherrie, Princeton
Wilmer Sears, Tiskilwa
William Erickson, Granville
Theresa Kostello, Princeton
Synerva Selvig, Ottawa
William Kaufmann, Tiskilwa
Joe & Louise Stremlau,
Mendota
Vera A. Earhart, Oglesby
Elizabeth McMichael, Ottawa
William R. Mix, Ottawa
Eugene S. Schlindwein,
Sheffield



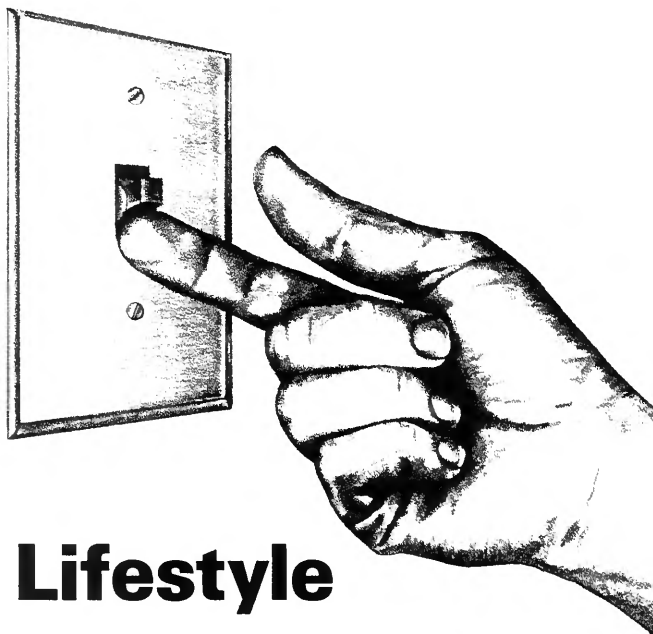
Illinois Valley Electric Cooperative manager T. L. Christensen, left, congratulates three directors of the cooperative on their reelection to three-year terms on the Illinois Valley board of directors. The election was held during Illinois Valley's 53rd Annual Meeting of Members, held Tuesday (August 4, 1992) at Princeton High School. Unanimously reelected by Illinois Valley members were, from left, Marion Rieker of Sheffield, Robert Sondgeroth of Mendota and Vincent Fredrickson of Victoria.



Members registering for meeting



Left: The IVEC high-efficiency water heater display at the meeting. Above: Members check items available at the Bargain Table.



Lifestyle can make a difference

You know, you have complete control over how you use your electricity. You choose the ingredients that are necessary for you to maintain your standard of living.

The way you live and the way you use your electrical appliances have a greater impact on your consumption of electricity than the number of appliances you have.

We in Illinois have relatively good lifestyles, and we tend to use more energy than the national average. This applies to all forms of energy, not just electricity.

Let's take a look at some of these "lifestyle considerations" that can make your electric bill appear to be higher than "normal."

Family size

Let's face it, there is a direct relationship between the number of people living at home and the amount of energy that is used. That's especially true if you have teenagers at home. In addition, if friends and relatives are visiting, you can expect to use more energy for cooking, baking, laundry and hot water.

Space heating and cooling

From a comfort standpoint, most of us prefer to be relatively cool in summer and warm in winter. Others prefer temperature extremes. In Illinois, humidity plays an important part in our year-round comfort, too. If we operate dehumidifiers in

summer (and to lesser degree, humidifiers, in winter), this contributes to our household energy consumption because they tend to run continuously. Portable space heaters, air conditioners, and fans in such places as the garage and basement also contribute to our energy consumption.

By taking a look at our "comfort" lifestyle in terms of maintaining relative humidity and temperature, we can use energy wisely in many ways. These range from adding insulation, weatherstripping and caulking to simply turning down the heat and turning off the air conditioning in a room not being used.

Water heating

About 15 percent of the energy used in the average American home is for water heating. Hot water plays a very important role in everyone's lifestyle—but many lifestyles require substantial quantities of hot water, and that results in higher energy use.

Ask yourself some of the following questions:

"When I take a bath, do I use hot water sparingly, or is the tub completely full of water?"

"Do I take short showers, or do I stay in the shower until the hot water gets cold?"

"Do I repair leaky faucets, or simply let them drip and waste hot water?"

"Do I operate automatic washers and dishwashers with a full load, or just whenever it's convenient? (Like with a pair of jeans or just a few dishes)?"

Appliance use

We have a host of time- and labor-saving appliances available to help us do our work whenever we need their service. Your appliances work for you around the clock, whenever you choose to use them. Wise use of appliances can have a positive effect on your energy consumption.

For example, ask your self questions like these:

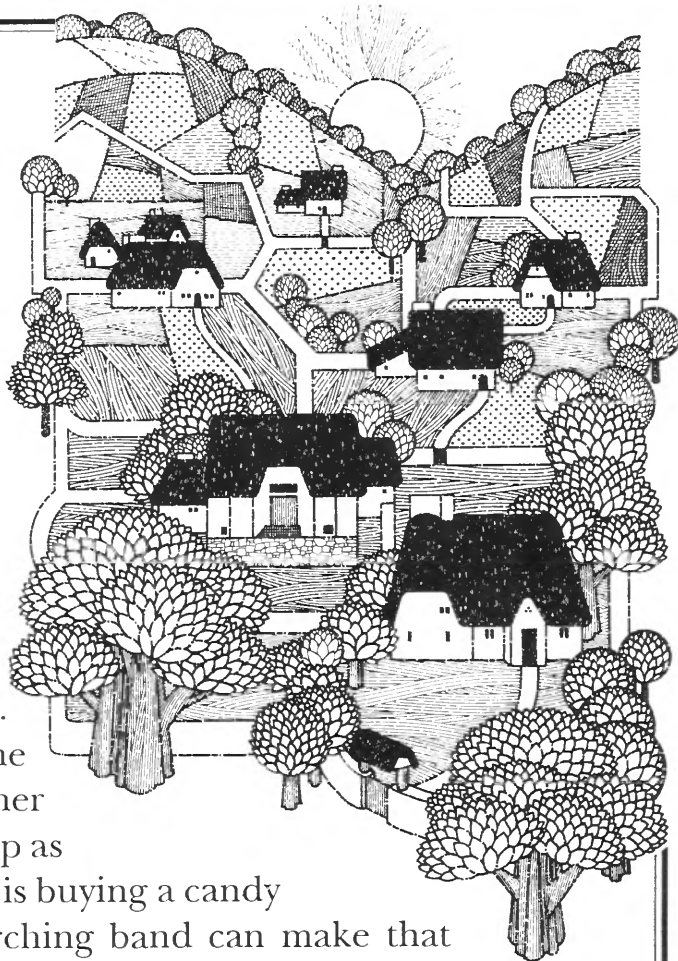
"Do I turn off lights when a room is not in use, or do I leave them on?" "Does my television set entertain the entire family, or does it entertain an empty room?"

"Do I leave the oven on 'warm' for an extended period of time, or do I cook many dishes at once and then turn the oven off?"

These are prime considerations that affect the amount of electricity you use to maintain your lifestyle. All Americans are part of the residential sector, and spirited energy management consciousness is likely to start at home.

The effects of a home and farm energy management program can pay big dividends!

You see them every day



He's selling soft drinks to you at the town festival. She's sitting next to you at the school basketball game. Another one waves from the front step as you go to work. Yet another is buying a candy bar so your daughter's marching band can make that spring trip.

They're all around you. They are part of your electric cooperative, bringing the best possible electric service to homes, farms and businesses. They work in the office, or they are out on the power poles, or they are like you — a fellow member-owner. And, they are part of your community.

The "cooperative" kind of utility isn't some faceless office in a faraway city. It's you and the people you see at the grocery store or the local dance. It's you and your neighbors getting together to make your community a better place to live.

October is Cooperative Month



Electric Cooperatives of Illinois

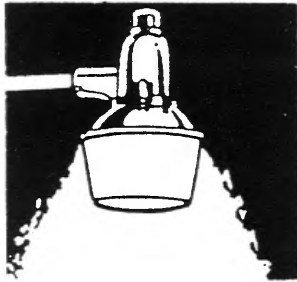
Good for ALL Illinois

Illinois Valley Electric Cooperative

***** Available options and programs *****

For Illinois Valley Electric members

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.



***** Featuring this month *****

Security light rentals for approximately \$12 per month—call us for details

- ★ No maintenance headaches
- ★ Free installation and service
- ★ Automatic—no light switch

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.75 cents kwh—\$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate—back-up heat for geothermal and dual energy “all-electric” systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only—\$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement if electric water heater is controlled by timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency—ground source GTS
 - ★ better than gas furnace
 - ★ clean energy
 - ★ off-peak rate of 3.75¢ kwh with ETS secondary heating
 - ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems—C-Band (24 channel)—Ku-Band (32 channel)
- Rural TV satellite program subscription packages—Basic Service \$11.95 mo.—HBO \$7.95 mo.—Cinemax & Disney \$14.95 mo.—other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August—\$40 total benefit—no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$12 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service—low monthly rates
- Six bill payment locations throughout IVEC’s service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail with this month’s REN issue. If you want more information about the above programs, contact Illinois Valley Electric’s Member Services Department at toll-free 800-654-1088.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Emergencies — call toll-free 800-654-1088 — 24-hours a day

Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, John Scott, Neponset, District 8; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; Vincent Fredrickson, Victoria, District 9; John Kneuppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.

Scott receives certification

John Scott (left) of Neponset has received professional certification from the National Rural Electric Cooperative Association (NRECA). Scott is a director of Illinois Valley Electric Cooperative, Princeton. He received Professional Directors Certification at the 51st Annual Meeting of the Association of Illinois Electric Cooperatives (AIEC) in Springfield August 25-27. He completed a series of required training and educational courses plus additional credits in order to receive the certification. Sixteen Illinois electric cooperative directors and 10 employees received professional certification during the meeting. The presentations were made August 26. With Scott is Connie M. Shireman of Elizabeth, manager of Jo-Carroll Electric Cooperative and chairman of the Continuing Education Committee of the IEC Managers' Association. The certification program provides member-owned electric cooperatives the opportunity to train directors and employees in fundamental principles and new developments in management and energy-related technology.



Who knows who owns the electric company?

Americans don't pay much attention to what kind of business provides their electricity, according to a recent survey. But when they are asked to compare how utilities do their jobs, consumer-owned cooperatives come out ahead of investor-owned and publicly owned systems.

Researchers for The Roper Organization, which conducted the survey, suggest that people know relatively little about their electric utility because they are largely satisfied with the service they are getting. More than 80

percent say they are very or reasonably satisfied with their electric service—a higher degree of satisfaction than they indicate for their local telephone or cable TV services.

The survey on attitudes toward rural communities and businesses was commissioned by the National Rural Electric Cooperative Association, the Washington, D.C., service cooperative for the nation's 1,000 consumer-owned electric utilities.

The survey found that only 35 percent of Americans say they have heard of rural electric

cooperatives, which are owned by their consumers. Forty percent say they have heard of electric companies that are owned by investors and 54 percent have heard of publicly owned electric companies, such as municipal utilities.

In fact, large majorities of Americans admit they know little about any type of business, including cooperatives. Only about 3 in 10 Americans say they know a great deal or a fair amount about any type of businesses asked about: investor-owned; publicly owned;

employee-owned; or consumer-owned, such as cooperatives.

But of those who say they have heard to some degree about cooperative businesses, attitudes are overwhelmingly positive: 71 percent say they have generally positive feelings about cooperatives.

Electric cooperatives enjoy a

high degree of consumer satisfaction, better than any other type of electric utility, according to the survey. For people who say they are served by electric co-ops, solid majorities rank co-ops highest of the three types of utility ownership in terms of the amount of influence consumers can have, fairness of

rates, concern for the environment, management efficiency, dependable service, and fairness of "profits" (the term "profits" doesn't technically apply to electric co-ops, since net income is termed a "margin" and is returned to consumer-owners as investment in the electric system or capital credits).

Rural Americans point to multiple problems threatening their communities

In a recent survey, rural Americans declined to identify any single threat to their communities, but they tended to agree that self-help programs sponsored by citizens and industry are the best way to ease the multiple threats they did mention.

Those findings come from a nationwide survey of attitudes toward rural America conducted by the Roper Organization and commissioned by the National Rural Electric Cooperative Association. NRECA is the Washington, D.C., service cooperative for the nation's 1,000 consumer-owned electric utilities.

The survey found that, for the most part, the threats that rural people see to their communities could apply to cities and suburbs as well.

Asked to choose from a list of problems that severely threaten the future of rural America, just over half mentioned an increase in crime, a loss of family farms, or alcohol abuse.

Slightly fewer rural people, between 44 and 48 percent, mentioned use of illegal drugs, lack of jobs, lack of land, the closing of small businesses, the depletion of natural resources,

and the lack of quality in education.

Of much less concern, mentioned by less than 30 percent of rural Americans, are a decline in the work ethic, migration into cities, a lack of services, and migration into rural areas.

What should be done about these threats? Asked to choose from a list of solutions, strong

majorities of 61 percent said either citizen or industry self help projects like job training or retraining.

Far fewer rural people, but still a large minority of 47 percent, chose government self-help programs like job training or retraining. Forty-five percent said government grants of money, 35 percent said tax incentives to industry, and 33 percent said government loans to community organizations.

What rural people say threatens the future of rural America

An increase in crime	53%
Loss of family farms	52
Alcohol abuse	52
Increased use of illegal drugs	48
Lack of jobs	48
Lack of land	45
The closing of small businesses	45
The depletion of natural resources	45
Lack of quality in education	44
A decline in the quality of the environment	39
Change in the traditional family structure	35
Change in traditional values	33
Skills that are no longer in demand in today's increasingly technological society	32
A decline in the American work ethic	27
Migration into cities	27
Lack of services	18
Migration into rural America	17

Source: The Roper Organization

You could be a REN prize winner!!!

Is this your account number?
0004324500

If your name appears in this center section, mixed in with copy, you will receive a nice prize.

Call toll-free — 800-654-1088

Heat/cool
with
electricity

System:GT[®]

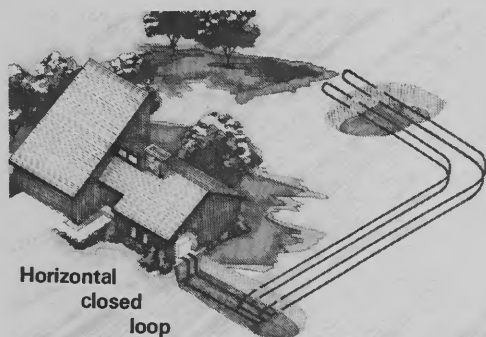
Geothermal heating, cooling and water heating

Heat/cool
with
electricity

Heat and cool with 300% efficiency

IVEC members, now you can get maximum comfort, energy and cost savings from a system designed to use natural energy from the earth.

Better than the Best Gas Furnace!



What is a Geothermal system?

Geothermal is the safest, most-energy-efficient, pollution-free heating and cooling system available.

Basically it looks like a normal furnace, but that's where the similarity ends. Because it burns no fossil fuel, it emits no pollutants, thus, no chimney is required. Therefore, it can be installed almost anywhere, in a basement, crawlspace, attic or closet.

Geothermal is a complete home heating system.

In the summer, select the cooling mode on the thermostat and the geothermal system is your complete home cooling center. Geothermal can also supply most of your domestic hot water requirements. Customers report savings up to 60 percent heating their homes. Cooling cost reductions of 50 percent are not uncommon.

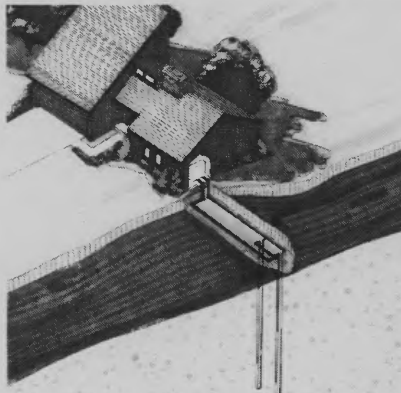
How does it work?

Sized to individual requirements, lengths of plastic pipe are buried in the ground either vertically or horizontally, depending upon lot size.

After installation, this sealed "loop" is filled with water and an anti-freeze solution. This assures a maintenance-free circulation system.

Warmed by the earth, incoming water in the loop is pumped to the geothermal unit where heat is extracted in the heat exchanger. Liquid freon is vaporized by this heat, pressurized by the compressor, and pumped through the air coil at approximately 190 degrees F to 200 degrees F. Return air is forced through the coil by the blower and the subsequent warm air is distributed throughout your home in the normal manner, using a system of ducts.

In the summer, the system reverses the process, extracting heat from inside the building and discharging it to the ground loop and domestic water heater where the cooling cycle begins.



Because we are dealing with relatively constant ground temperatures, the geothermal system has a three-to-one efficiency ratio, thereby realizing substantial energy savings.

Let the ground you walk on heat and cool your home!

Cash rebates

- Illinois Valley Electric will rebate \$75 per kw installed up to a maximum \$3,000.00 for the all-electric geothermal system.
- Additional bonus of \$1,500 to the first six homes that install a new geothermal system in 1992.
- Ask about IVEC's off-peak rate of 3.75 cents/kwh for more savings combining geothermal heating with ETS secondary heating.

Substantial savings

We will help you watch your energy cost.

You'll think your energy bill is on a crash diet. But reduced energy costs are common with a geothermal system.

☆ *Economical* ☆ *Safe* ☆ *Clean* ☆ *Competitive*

For more details

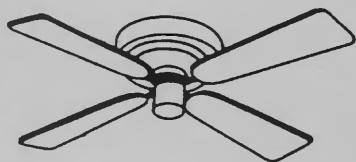
- Call Illinois Valley Electric at toll free 800-654-1088 or the following WaterFurnace dealers
- Philhower Electric Plumbing & Heating, Main Street, Tiskilwa, IL 61368, (815) 646-4481
- Turczyn Heating and Air Conditioning, 1328 Pulaski Street, Peru, IL 61354, (815) 223-0715
- Energy Specialists Co., 224 N. Main Street, Toluca, IL 61369, (800)782-7491
- Ottawa Heating & Air-Conditioning, 632 First Ave., Ottawa, IL 61350, (815) 433-1811

Ceiling fans stir up energy savings

A touch of nostalgia may do more than create the mood of a long-past, unhurried era. The slowly revolving blades of an electric ceiling fan are practical, as well as attractive.

A fan may not drastically lower your electric bill, but it will raise the comfort level of a room. In the winter, the turning blades force the rising warm air back down into the living area of a room. In the summertime, the constant motion helps circulate conditioned air or offers slight breezes, which gives you the opportunity to set your thermostat at a higher setting, which could, in turn, lower your expenses.

You may discover extra advantages of a ceiling fan as well. If a fan is located above an open porch, screened porch or sunroom, the air movement may discourage insects.



Signs on power poles create safety hazards

With fall elections just around the corner, political signs will be popping up just about everywhere — along roadsides, in yards and on buildings. Unfortunately, some of these signs will be nailed or stapled to your cooperative's power poles, which creates a serious safety hazard for some of the cooperative's employees.

A lineman or serviceman who has to climb a pole with sharp nails, tacks and staples driven into it may have his climbing hooks cut out on the pole, and this may result in a serious injury. The possibility of encountering nails or tacks protruding from the side of a power pole is increased at night when cooperative personnel sometimes make emergency repairs.

Nails and tacks are also a threat to safety equipment such as insulated rubber gloves, which cooperative personnel use to protect themselves from electric shock. Should these gloves become punctured or ripped, the gloves' insulating quality is lost, and the cooperative employee could receive a serious or fatal shock.



We are asking candidates and their campaign workers to avoid putting signs and posters on our power poles during the elections season.

And it's not just during election years that signs get nailed to the cooperative power poles. Some folks think power poles are a convenient place to nail up sale signs, yard sale notices and similar announcements.

The attaching of signs to Illinois Valley Electric's power poles, whether it's a political poster or yard sale notice, creates a safety hazard for cooperative personnel. Please help us keep your cooperative power poles free of nails, tacks and staples.

M. J. Pletkovich

The cooperative needs access to its equipment

Situations where Illinois Valley Electric equipment cannot be reached because of overgrown trees, fences, patios, decks, etc., may cause the Cooperative to enforce its "Right of Access" Policy.

This policy states that authorized representatives of the Cooperative shall have the right of access to the premises of the member at all reasonable times for the purpose of reading, testing or inspection of meters; connecting or disconnecting service; inspection of wires and apparatus; and making repairs of lines or rights-of-way. Unreasonable deterrents to access of Cooperative facilities shall cause the service to be disconnected. We encourage all members to please give consideration to the employees of the Cooperative and contractual meter readers. Lets make their job easier and safer.

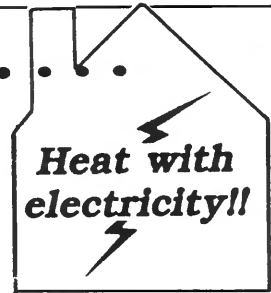
Be careful when cutting winter wood

Cutting wood to be used for heat is a long and laborious task, which often begins in late summer and early fall. Illinois Valley Electric Cooperative employees encourage everyone to use extreme caution when cutting wood for this winter.

If a tree falls on a line, you and your neighbors could be without electricity for several hours. But an even greater concern is the life-threatening situation that exists when an energized line is down. If anyone should come in contact with the line, it could be fatal.

There are "old" tree cutters and "careless" tree cutters, but there are no "old careless tree cutters."

Heat electrically at low cost IVEC Members You can heat your home for 3.75¢ per kilowatt-hour!



If you have or will have electric heat installed in your home, ask us about supplemental electric thermal storage (ETS) heating, available through Illinois Valley Electric. You can lower peak demand and provide savings for yourself and all cooperative members.

Join the Dual Source Heat Program and qualify for the 3.75¢ per kilowatt-hour rate. At times of peak electrical use, when your primary electric heat source is automatically switched off for a short period, the ETS unit is the secondary source of warmth.

Also, rebates of \$75.00 per KW installed up to \$3,000.00 for all-electric installations are offered when you purchase the ETS unit. You can take advantage of the low Dual Electric Heat Rate when you control your primary electric heat at certain times during the months of December, January and February.

With an ETS heater, your all-electric home can have a secondary electric heat source. And, it's less expensive than other secondary sources, such as gas or fuel oil furnaces.

ETS heating is most suited for members who have existing electric baseboard, ceiling cable electric heating, electric furnace or heat pump. The ETS unit contains ceramic bricks which have high heat retention characteristics. The bricks are placed around electric heating elements that will operate on off-peak times.

Our Dual Source Heating Program also combines using primary electric heat with a fossil fuel backup. A \$400.00 maximum rebate qualifies for this option and you can heat at the 3.75¢ per kilowatt-hour rate.

This special off-peak dual heat rate is based on a differential from the Schedule A "end block" rate. The differential will always be in place allowing electric heat to be a competitive energy source.

Contact the Member Services Department for more details at toll free 800-654-1088.



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 10:30 a.m. on Thursday, August 20, 1992, with all directors present except Joe Danielson, Ralph Freebairn and Dorothy Wilson. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective

departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved on:

1. A motion was made and approved to pay NRECA annual dues and half of the AIEC annual dues.
2. The Cooperative had several calls and letters regarding the IVEC annual meeting. We appreciate the members taking their time to let us know their opinions on these meetings.
3. In the last REN it was reported that the September board meeting would be September 22. Due to a conflict the meeting has been scheduled for September 29.

The next board meeting is scheduled for September 29, 1992, at 11 a.m. The October board meeting will be held on October 27, 1992. The November meeting is scheduled for the 24th.

Thanksgiving

means a farmer's been

hard at work

In an increasingly convenience-oriented and processed world, sometimes the connection between the farm and the food seems remote.

With Thanksgiving arriving it may be time to contemplate what the American farm means to the nation.

Farming began unpretentiously enough on the North American continent. In 1607, English colonists in Jamestown, Va., planted corn, grain, potatoes, pumpkins, melons, cotton and even oranges and pineapples.

The idea was straightforward. To stay alive, you ate what you and your neighbors grew.

But today the connection is more abstract. Only one American in 100 makes a living on the farm, but the food they produce more than feeds the rest of us.

The United States has less than 7 percent of the world's land, yet produces 13 percent of the world's food.

American agriculture strengthens the nation's economy, generating nearly \$40 billion a year in export trade. Japan is its top customer.

"Farm production is the one area where the United States can outcompete any country in the world," said Dean Kleckner, president of the American Farm Bureau Federation.

Our agricultural productivity is the envy of the world. It ranges from cranberry bogs to fish farms to cotton plantations to orange groves.

But every year, the number of American farmers and ranchers dwindles. Since the turn of the century, the number of people living on farms has dropped from 29.8 million to fewer than five million. Most live on family farms.

Each farmer fills the average yearly food and fiber needs of 128 people, including 94.3 in the United States and 33.7 abroad. That's a huge jump from 1940, when each farmer fed 19 people.

Americans enjoy the most affordable and diverse array of goods available anywhere in the world. We devote only 10.3 percent of our income — an average of \$1,691 — to buying food. Compare that with India, where 53 percent of income is spent on groceries, or China, where food takes a 49 percent bite out of each paycheck.

The average size of a farm in 1990 was 461 acres. One acre can produce 42,000 pounds of strawberries, 24,000 pounds of navel oranges or 640 pounds of cotton lint. An acre's yield of 35 bushels of wheat makes 2,450 loaves of bread.

Technology, more than anything, has changed the American farm. Consider that in 1850 it took a farmer 35 hours to produce one acre of corn using draft animals, a walking plow and planting by hand. In 1930, it took around eight hours using horses and tractors. But today, two or three hours can produce an acre of corn using modern tractors

and harvesting equipment.

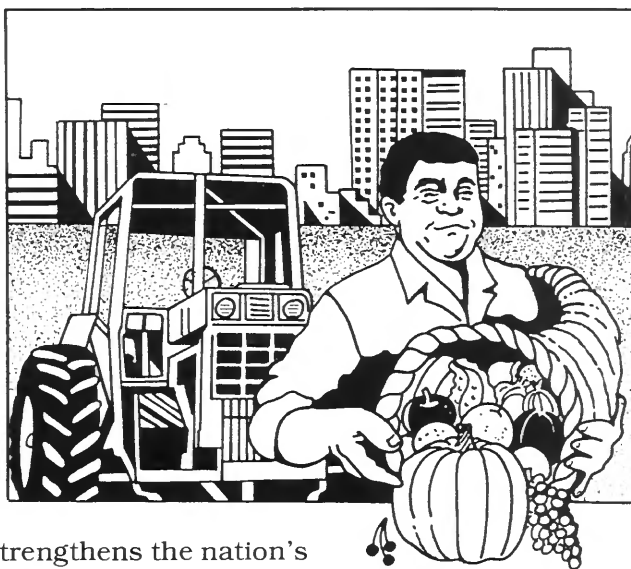
About 20 percent of all American workers, some 21 million people, are employed in jobs that rely on the American farmer, from field hands to supermarket cashiers.

Texas has the most farms (186,000), followed by Missouri (108,000), Iowa (104,000), Kentucky (93,000), Minnesota and Tennessee (89,000 each), Ohio (84,000) and Illinois (83,000).

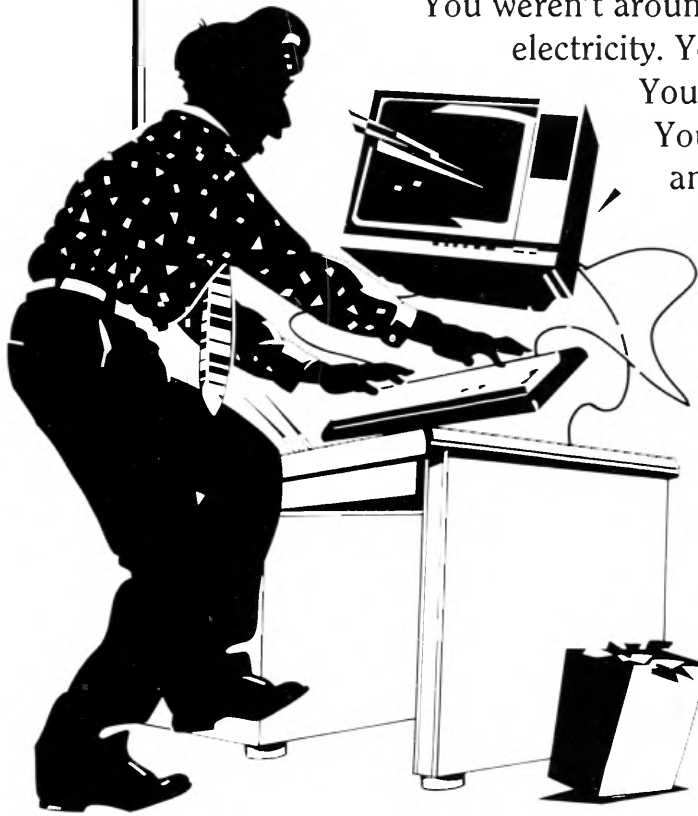
Every year nine billion trees are seeded on farmland. Farms and ranches provide food and habitat for 75 percent of the nation's wildlife.

So when the bounty of the American farm fills your Thanksgiving day dinner table, take a moment to remember the people — those in your family and those on the farm — who put it there.

—Rural Electric News Service



We power the computer generation



You weren't around when farms didn't have electricity. You never even lived on a farm.

You never had kerosene lamps. You DO have a stereo system and a VCR and a personal computer. All you know is that your power comes from an electric cooperative, and you're called a member instead of a customer. All you're asking for is reliable service at a reasonable price....Membership in a cooperative means that the electric utility is YOUR organization. It's more than paying a bill each month. The cooperative was formed especially to serve your community. YOU

elect its directors. YOU receive capital credit refunds. YOU are a member-owner. Your electric cooperative is looking ahead to what you and your children will be needing in the coming years.



Electric Cooperatives of Illinois

Good for ALL Illinois

Illinois Valley Electric Cooperative

*** * * Available options and programs * * ***

For Illinois Valley Electric members

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.

*** * * Featuring this month * * ***



IVEC Payment Centers to serve your area.

- Galva Area First Illini Bank
112 North Exchange Street
- Princeton Area Citizens First National Bank
606 South Main Street
- Kewanee Area Peoples National Bank
207 North Tremont Street
- Ottawa Area First National Bank of Ottawa
701 LaSalle Street
- Sheffield Area First Bank of Sheffield
113 South Main Street
- Peru-LaSalle Area Citizens First National Bank of Oglesby
Peru Mall, East Entrance
Route 51 and Wenzel Road

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.75 cents kwh—\$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate—back-up heat for geothermal and dual energy “all-electric” systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only—\$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement if electric water heater is controlled by timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency—ground source GTS ★ better than gas furnace ★ clean energy
 - ★ off-peak rate of 3.75¢ kwh with ETS secondary heating ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems—C-Band (24 channel)—Ku-Band (32 channel)
- Rural TV satellite program subscription packages—Basic Service \$11.95 mo.—HBO \$7.95 mo.—Cinemax & Disney \$14.95 mo.—other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August—\$40 total benefit—no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$12 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service—low monthly rates
- Six bill payment locations throughout IVEC’s service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail with this month’s REN issue. If you want more information about the above programs, contact Illinois Valley Electric’s Member Services Department at toll-free 800-654-1088.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Emergencies — call toll-free 800-654-1088 — 24-hours a day

Your board of directors

President, Earl Bates, Kewanee, District 2; Vice President, John Scott, Neponset, District 8; Secretary-Treasurer, Joe Danielson, Princeton, District 7; Ralph Freebairn, Ottawa, District 5; Vincent Fredrickson, Victoria, District 9; John Kneueppel, Cambridge, District 1; Marion Rieker, Sheffield, District 3; Robert Sondgeroth, Mendota, District 4; and Dorothy Wilson, Hennepin, District 6.

National survey about cooperatives

A recent survey by The Roper Organization found that, among those who have heard to some degree about cooperatives, attitudes are overwhelmingly positive toward them — 71 percent say they are generally positive about cooperative businesses. Only 10 percent say they feel negatively toward cooperatives, while 19 percent say they don't know. The survey on attitudes toward rural and urban communities was commissioned by the National Rural Electric Cooperative Association in Washington, D.C.

Although Americans seem disheartened about the state of the country, they have more faith in their own communities, according to the survey. While 72 percent of all Americans say the country is "on the wrong track," nearly half say their own community is headed in the right direction. A majority of Americans, or 54 percent say they are generally optimistic about the future of their community.

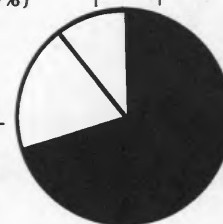
Recession-minded Americans are divided over whether the environment or economic growth should be the priority, the survey indicates. The share of people who say environmental considerations are more important than economic growth has fallen from 48 percent in 1991 to 33 percent in 1992. Those who favor economic growth rose from 27 percent to 36 percent, and 22 percent (up eight points since 1992) say there can never

Americans who know about cooperative businesses say they have positive feelings about them.

Generally positive (71%)

Generally negative (10%)

Don't know (19%)



Source: The Roper Organization

be a tradeoff.

The survey found that 69 percent of Americans say that people who live in small towns and rural areas are more likely to have a strong sense of family compared with people who live in large cities. The survey also found majorities who thought rural people were more likely to be friendly (62 percent), to be honest in their business dealings (61 percent), to be committed to their community (58 percent), and more likely to get real fun out of life (53 percent.)

Sandy Quincer

Electricity helps recycling make dollars and sense

Recycling is a growing business initiated by environmental concern and sustained by economic success. The business is not without its problems, including in some cases, causing a new waste product in the process, or using more energy.

Now, upcoming electrically powered technologies called electrotechnologies, are helping prepare and process recyclable materials. This

help will also result in recycling becoming more profitable. The nation's consumer-owned electric utilities are helping develop these recycling technologies through their support of the Electric Power Research Institute (EPRI), Palo Alto, California, the research arm of electric utilities.

For example, in aluminum recycling the current method results in a scum or dross that forms on the molten metal. This prevents the industry from

capturing another 10 percent of aluminum. No method exists to easily and completely separate the dross from the metal. But a technology is under development that would separate the dross and regain more aluminum. The resulting waste is 30 percent less in volume than before.

This process is in the laboratory stages, but a model indicates it will result in annual savings that equal the installation expense.

Another EPRI project would improve paper recycling. Existing technology for recycling paper uses steam to create pressure in a high-pressure chamber. When the pressure in the chamber is released the paper literally explodes, removing ink

and breaking up any glue bonds. EPRI is looking at using an electric heat pump to recover the process steam and make the process more energy efficient. Also under exploration is the use of a strong oxidant like ozone to improve the whiteness and strength of recycled papers. Ozone, a gas generated from an electric discharge, works on the surface of fibers to improve bonding for greater strength. This allows up to twice as much of recycled fiber to be used for new paper.

Electrotechnologies can help industries expand recycling capabilities while improving efficiency, productivity and reducing environmental concerns.

IVEC MEMBERS.....
CNN HEADLINE NEWS ESPN USA NICKELODEON CBN WGN
WPIX KTVT LIFETIME WEATHER CHANNEL NASHVILLE
NETWORK WTBS DISCOVERY NOSTALGIA CHANNEL
LEARNING CHANNEL COUNTRY MUSIC TV TRAVEL CHANNEL
A&E PRIME TIME 24 SKYLINE SILVER WTBS STARDUST
THEATRE STARION PREMIER THEATRE HBO CINEMAX
DISNEY CNN HEADLINE NEWS NICKELODEON
CBN WGN WPIX KTVT LIFETIME WEATHER CHANNEL
NASHVILLE NETWORK WTBS DISCOVERY NOSTALGIA
CHANNEL LEARNING CHANNEL COUNTRY MUSIC TV TRAVEL

IVEC provides Rural TV service

There are lots of reasons people choose Rural TV as their satellite TV service. Many popular channels packed full of entertainment for the whole family — super stations from coast to coast, the latest movies, up-to-the-minute news, and college and professional sports. Plus one-stop satellite shopping for equipment and programming all at affordable prices. But maybe the best reason of all to go with Rural TV is that it's provided by people you know, right here at your cooperative. Nobody knows more about providing satellite TV service. IVEC provides Uniden satellite television systems.

- ★ *Complete Satellite television systems installed by IVEC!*
- ★ *Check our low installation price!!!! \$1,997.50*
- ★ *Ask about our TV program subscriptions — low monthly rates.*

Call toll-free 1-800-654-1088

Illinois Valley Electric Cooperative

Ask for a Member Services Representative

MEMBER SERVICES

Have you though about your water heater lately?

No one wants to be left without hot water. So don't wait until your water heater quits before you think about replacing it. If the water heater is getting some age on it, replace it now and save yourself making a hasty decision later. Most older water heaters are often not energy-efficient. Illinois Valley Electric provides its members with free high-efficiency water heaters if the heater is controlled by a timer clock.

Call the cooperative office for more information on how to receive your free water heater!!!

For your information, here's how much water is needed for typical household activities:

- Tub bath 5 to 25 gallons
- Shower bath 3 gallons/minute
- Bathing an infant 2 gallons
- Shaving 2 to 3½ gallons
- Hand washing 1 to 2 gallons
- Housecleaning 5 to 12 gallons
- Food preparation 3 to 6 gallons
- Hand dishwashing 3 to 4 gallons
- Dishwasher 5 to 10 gallons
- Clothes washing 25 to 40 gallons

Two-Way Radio and Telephone Service

Offering Area
Wide Coverage

Reach your people —
in the field or on the road.

Offering Motorola
quality products

The Radio System Offers the Following Specifications

- ★ The 800 MHZ Frequency Trunking System "pools" several radio channels so that all users in a given area have automatic access to any free channel — privacy — no fade area.

All features for as little as \$7.00 per month.

Optional Telephone Interconnect

- ★ If your mobile radio is equipped for telephone, by merely pushing the phone button, your portable or mobile radio connects you to a commercial telephone line. After the dial tone is heard, your radio "becomes" a telephone.

This feature for as little as \$11.45 per month.

Call Toll Free 800-654-1088 — Ask for a Member Services Representative

Holiday closing

The Illinois Valley Electric Cooperative office will be closed on Thursday, November 26, and Friday, November 27, in observance of Thanksgiving. Please call toll free 800-654-1088 to report emergencies. This service is available 24 hours per day.

☆☆☆☆☆☆☆☆

Happy Thanksgiving

The board, management and employees wish all members a happy holiday!!



**24-hour emergency
dispatch service**

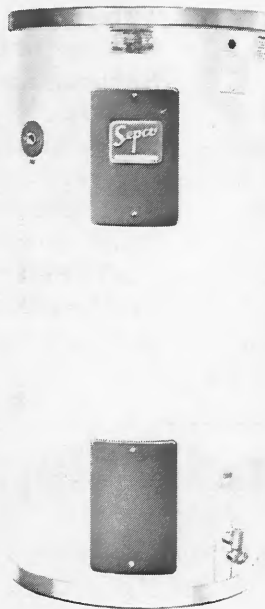
**IVEC members!
Call 800-654-1088
to report power failures**

IVEC members . . .

★ save on the cost of a new electric 60- or 80-gallon water heater.

★ earn credit on your monthly bill.

Purchase a new SEPCO energy efficient water heater from IVEC
You Can Heat



electrically

and . . .

● earn monthly credit with a timer switch

\$8.00

No obligation. For details, call our Member Services Department toll-free 800-654-1088.

Low, Low Price . . .

\$125.00

From your cooperative

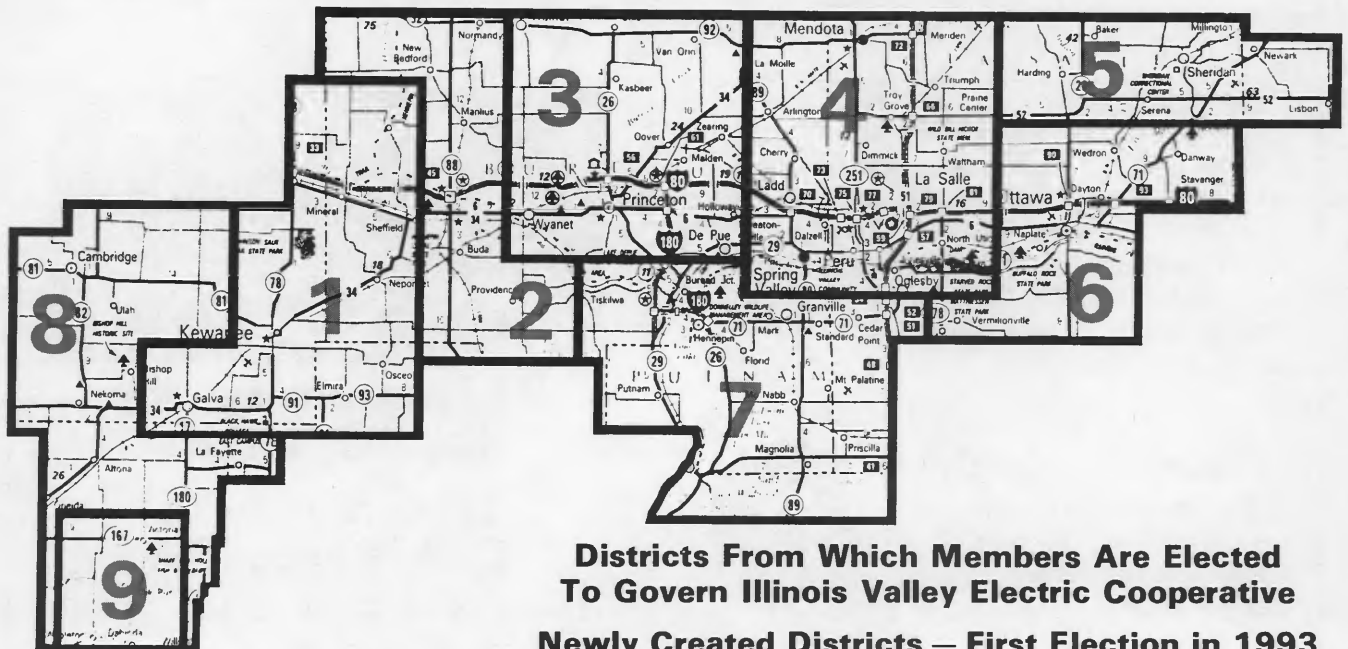
Need a new water heater?

Should you need to replace your existing water heater, keep in mind that IVEC has 60-gallon and 80-gallon water heaters available for \$125.00 to members only. If the timer clock is installed, the \$125.00 will be rebated to you after 30 days.

IVEC members . . . Do you have an electric water heater?

If you do, you should consider installing a "timer clock" provided by Illinois Valley Electric to receive an \$8.00 per month credit. This is a guaranteed savings that totals \$96.00 per year.

Service area map and member districts



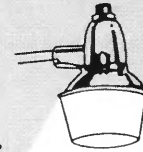
Districts From Which Members Are Elected To Govern Illinois Valley Electric Cooperative
Newly Created Districts — First Election in 1993

Illinois Valley Electric Cooperative

Put a little security in your night!

Sign up today for a rental security light and no maintenance headaches

Rent a light from IVEC!!!



Here's an excellent opportunity
for less than \$12.00 per month!

Clip and mail to:
Illinois Valley Electric Cooperative, Inc.
Attention: Security Light
P.O. Box 70 Princeton, IL 61356
or call toll free 1-800-654-1088

Name _____ Date _____

Address _____
(RR # and Box #) (City) (Zip Code)

Home Phone _____ Work Phone _____

Location Number _____ Account Number _____
(Listed on your bill) (Listed on your bill)

Security Light Installation: Meter Pole _____ Transformer Pole _____

Face the Light: South _____ West _____ North _____ East _____

I would like Illinois Valley Electric Cooperative to install a new 100-watt high-pressure sodium vapor security light at the above location for a period of one year. Service will continue at the end of the time period unless either party gives written notice for discontinuance. IVEC will install, service, maintain and provide electricity to operate the light from dusk to dawn. I agree to pay the rental charge for the light per month after installation. I understand the security light remains the property of IVEC.

Member Signature _____



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 10:30 a.m. on Tuesday, September 29, 1992, with all directors present. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month. Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous

month were reviewed and discussed.

The following items were discussed and/or moved on:

1. A motion was made and approved to authorize the board and management to sign the Lakewood Estates Subdivision Agreement. This agreement pertains to installing underground primary line.
2. A motion was made and approved to monitor cooperative underground fuel tanks for a period of one year in compliance with the EPA. A tank tightness test to monitor gas used would be performed.

The next board meeting is scheduled for October 27, 1992, at 11 a.m. The November board meeting will be held on November 24, 1992. The December meeting is tentatively scheduled for the 22nd.

You could be a REN prize winner!!!

Is this your account number?
0002936604

If your name appears in this center section, mixed in with copy, you will receive a nice prize.

Call toll-free — 800-654-1088



Your health

It began five years ago, an important mission clouded by skepticism. The goal: an international network of volunteers offering life-saving blood marrow to those with fatal blood diseases.

Many in the health community doubted that anyone would undergo

Marrow donors provide hope for recovery

even minor surgery for a total stranger. But today, the National Marrow Donor Program (NMDP) has more than half a million volunteers in the United States, Germany, Israel and Italy. All have registered to donate marrow — a jelly-like substance contained in bone cavities that produces the white blood cells vital to the immune system.

“We have grown rather remarkably,” says NMDP spokeswoman Jessica Fallon, recalling how doctors had predicted that the volunteer pool would probably never exceed 50,000. Fallon explains that the Minneapolis-based program, established in 1987 by congressional authorization, began with the names of 10,000 blood platelet donors — “the kind of person who understood the need for blood products.”

For critically ill patients unable to generate normal blood cells, a marrow transplant is often the last attempt at long-term recovery. Those who might benefit from this state-of-the-art treatment, however, must first find a volunteer with matching marrow. While 30 percent are matched with a family member, the remainder must look to unrelated donors. Depending on how common a person's marrow type is,

the odds of a successful search range from one in 100 to one in 1 million. Currently, only a third of those who consult the registry find a match suitable for a transplant; many die before a compatible donor is located.

“This is cutting-edge technology, and it's just entering the public consciousness that there's something like this for people with leukemia, lymphoma and other blood disorders,” Fallon says.

To its credit, however, the NMDP currently makes 45 matches a month. Its goal is 25 a day and, by 1995, a national network of one million volunteers of all races.

The marrow collection process takes a couple of hours, requires a one-night hospital stay and is relatively painless. Still, becoming a marrow donor entails making a physical and psychological pledge, not to be taken lightly.

The pact is a seven-step process that begins when an eligible volunteer, in good health and between 18 and 55, contacts one of NMDP's 101 U.S. donor sites, which include community blood banks and local Red Cross centers. There the prospective donor gives two tablespoons of blood and agrees to join NMDP's registry. A lab identifies the volunteer's tissue type. Testing is either free or costs between \$48 and \$78, depending on the facility.

The donor's tissue type is entered into the NMDP's international database. After a preliminary match is made, additional (free) blood tests verify a precise match. A physician must confirm that the volunteer — whose anonymity is protected — is in excellent health.

Donor counselors then fully explain the marrow collection procedure — performed at no cost to the donor — and present the option to proceed or withdraw.

At any given moment, some 9,000 people are seeking a matching marrow donor. To learn how to join the National Marrow Donor Program's National Registry, call 1-800-654-1247.

—Rural Electric News Service

This is one in a series of articles prepared by the National Rural Health Network, a subsidiary of the National Rural Electric Cooperative Association (NRECA), the Washington, D.C.-based organization for the nation's 1,000 consumer-owned rural electric utilities.

IVEC Comments



by Tim (Kris)
Christensen
General Manager

Across the manager's desk



Illinois Valley Electric Cooperative

Office Hours 7:45 A.M.—4:30 P.M.
Monday through Friday
Telephone (800) 654-1088

P.O. Box 70
Route 6 & 34 West
Princeton, Illinois 61356

Emergencies — call toll-free 800-654-1088 — 24-hours a day

Your board of directors

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Fuel cells could provide electric power in future

An electric technology known as fuel cells has the potential to change the way electric power is generated and delivered. Although fuel cells are not yet ready to take over the industry because of high costs and still-developing technology, they have a promising future.

There are three major types of fuel cells that may have utility applications:

In this country's electric power industry, fuel cells most probably will be used by utilities to place power generation close to customers or perhaps even by the customers at their own sites.

Experts believe fuel cells would be most likely employed in the smaller applications at first, but the main fuel cell market would be in the medium-range sizes. Utilities with transmission and environmental constraints may make fuel cells in the 10-100-MW size range worthwhile. Utilities could locate the cells at distribution or transformer substation sites, or other such disbursed locations close to customers.

Many of the present installations are owned and operated by electric utilities. But some of the gas utilities have started out as owners of such installations and, even in distributed power applications, they also operate and maintain the installations. In these cases, the gas companies are locating or planning to locate the cells at shopping

centers, residential or apartment complexes, and similar places.

This does not rule out individual owners entirely, but these cases are considered less likely. For instance, some types of industrial processes may need both heat/steam and electrical energy. Here, a fuel cell could work, in which case the industrial plant owner might want to own and control the fuel cell. This is particularly true when a plant has its own source of fuel or uses a process that generates excess hydrogen, as many chemical intermediate plants do.

An experimental application for fuel cells is being explored in Norway at a chemical intermediate plant. Plant efficiency was increased by utilizing the hydrogen generated in a fuel cell rather than burning the gas off. In addition, the plant needs DC electricity, which the fuel cell produces. (For normal, utility-type applications, the DC output must be converted to AC.)

The major fuel cell program funding sponsors in the U.S. are the Electric Power Research Institute (EPRI), Gas Research Institute, and Department of Energy. Electric cooperatives, through their membership in the National Rural Electric Cooperative Association, are participants in the EPRI research program.

*Merry Christmas and Happy New Year
from the Board of Directors and Employees
of Illinois Valley Electric Cooperative*

— **Holiday closing schedule** —
December 24 • December 25 • January 1

Be sure to call our "toll free" 800-654-1088 to report
power outages or emergencies,
24-hour answering service and dispatcher.

You could be a REN prize winner!!!

If your name appears in this center section, mixed in with copy, you will receive a nice prize.

Is this your account number?
0002003500

Call toll-free — 800-654-1088

MEMBER SERVICES

Member Services

If you depend on life-support equipment, we need to know

While Illinois Valley Electric Cooperative strives to maintain the best possible service with a minimum of outage time, occasional outages, either planned or uncontrolled, do occur.

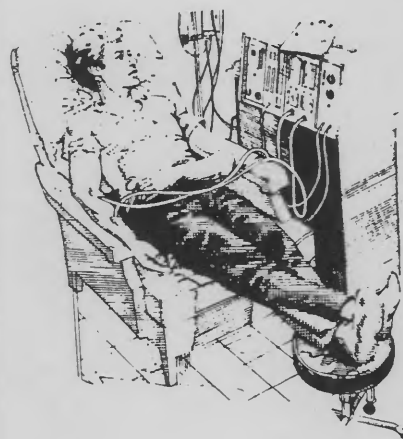
Your cooperative needs to know the names and location of cooperative members who depend on life-support equipment. We keep a registry of members on life-support equipment, and it is

important that this information be current and accurate. We will make every effort to give priority to restore service to members on life-support systems.

If you or a member of your family depend on life-support equipment, please fill out the form below and mail to us as quickly as possible.

Name _____
Phone no. _____
Address _____
Location no. _____ Account no. _____
Type of support equipment _____
Days of use _____
Time of use _____
Name of doctor _____ Address _____
Do you have an emergency stand-by generator to operate this equipment?
_____ YES _____ NO

Mail this to: Illinois Valley Electric Cooperative, ATTN: Life Support Registry, P.O. Box 70, Princeton, IL 61356



Dirty humidifiers may cause health problems

Consumers should be alert to possible health hazards resulting from dirty room humidifiers, according to the U.S. Consumer Product Safety Commission (CPSC). The CPSC has found that bacteria and fungi are often growing in the tanks of portable and console room humidifiers and can be released in the mist. Breathing dirty mist may cause lung problems ranging from flue-like symptoms to serious infection. This information is of special concern to allergy or asthma sufferers whose symptoms may be increased.

Film or scum appearing on the water surface, on the sides or bottom of the tank, or on exposed motor parts may indicate that the humidifier tank contains bacteria or fungi. A crusty deposit or scale may also form within the tank or on parts in the water. This scale is composed of minerals that have settled out of the water creating a surface on which bacteria or fungi may grow.

Minerals can also be released in the mist and settle as fine white dust. This white dust may con-

tain particles that are small enough to enter the lungs. The health effects from inhaling this humidifier dust are not clear; any impact on human health will depend upon the types and amounts of minerals found in the water used.

To reduce the possibility of health hazards from dirty room humidifiers, the staff of the CPSC recommends that you take the following precautions:

- Do not allow film and scale to develop in your humidifier. If possible, change the water in your room humidifier daily. Empty the tank before you fill it. If the tank is not removable, clean it often according to manufacturer's instructions.
- Use distilled or demineralized water in your room humidifier to reduce the build up of scale and the release of dust; tap water contains more minerals. Use demineralization cartridges or filters if supplied or recommended for use with your humidifier.
- Clean your room humidifier well and often during the heating season. Be sure to unplug the humidifier before cleaning. Follow the manufacturer's suggested cleaning methods. If chlorine

bleach or a disinfectant is used, make sure to rinse the tank well to avoid breathing harmful chemicals. Use a brush or other scrubber to clean the tank. Be careful not to damage the motor or scratch the inner surface. Clean or replace sponge filters or belts when needed.

• Drain and clean the tank of your room humidifier before your store it. Clean it after summer storage. Remove dust on the outside

of your unit.

• Maintain the relative humidity in your home between 30 and 50 percent if possible. Humidity levels above 60 percent may allow moisture to build up indoors and condense on surfaces, where bacteria and fungi can settle and grow. You can measure humidity with an instrument called a hygrometer, available at your local hardware store.

Della Rohrer



Board Room Report

The regular meeting of the board of directors of Illinois Valley Electric Cooperative was called to order by president Earl Bates at 11:15 a.m. on Tuesday, October 27, 1992, with all directors present. Manager T.L. Christensen and attorney Gary Barnhart were also present.

Routine orders of business were reviewed and accepted after due consideration.

Directors reported on various meetings and related cooperative activities attended during the past month.

Staff personnel reports submitted to the board concerning the activities in their respective departments during the previous month were reviewed and discussed.

The following items were discussed and/or moved on:

1. A motion was made and approved to retain the auditing firm of Bowlby, Anfinson, Crandall & Haedt, Ltd. for the 1993 year.
2. A motion was made and approved to support a feasibility study to be done by AIEC regarding an insurance pool for workmen's compensation.
3. The October Cooperative Safety Meeting was attended by director Rieker. He reported the meeting was on voltage and the use of safety equipment.
4. The manager reported on the cooperative's application status for two pending loan requests to Rural Electrification Administration.
5. The manager reported on continued negotiations with Illinois Power Company for radio equipment lease.

The next board meeting is scheduled for November 24, 1992, at 11 a.m. The December board meeting will be held on December 22, 1992. The date for the January 1993 meeting has not been scheduled as of this publication.

Quarterly operating statement

Report for January 1 to September 30, 1992

Account Description	1991	1992	Statistics and Revenue Data	1991	1992
Operating Revenue and Patronage Capital ..	\$5,673,167	\$5,445,089	Number Connected Consumers	5,611	5,650
Cost of Purchased Power	3,437,207	3,418,074	Average KWH Used	8,750	7,944
Distribution Expense—Operation	165,556	191,787	Average Bill	\$1,014.15	\$970.26
Distribution Expense—Maintenance	357,866	279,976	No. KWH Purchased	54,132,417	49,260,963
Consumer Accounts Expense	176,554	137,587	No. KWH Sold & Used by Co-op	49,098,732	44,745,882
Customer Service and			Line Loss Percent	9.3%	9.2%
Informational Expense	122,666	116,283	Cost Per KWH Purchased	6.35¢	6.94¢
Administrative & General Expense	394,200	488,790	Cost Per KWH Delivered	11.79¢	13.07¢
Operation & Maintenance Expense	4,654,049	4,632,497	Member Cost Per KWH	11.59¢	12.21¢
Depreciation & Amortization Expense	92,643	112,680	Miles Energized	1,743	1,748
Tax Expense—Property	32,366	35,253	Revenue Per Mile	\$3,254.83	\$3,115.04
Tax Expense—Other	61,035	66,746	Total Expense Per Mile	\$3,310.75	\$3,333.40
Interest on Long-Term Debt	930,546	978,612	Total Cooperative Payroll	\$862,083	\$795,604
Cost of Electric Service	5,770,639	5,826,788	Total Out-of-Pocket Direct Expenses		
Patronage Capital & Operating Margins ...	(97,472)	(381,699)	Reimbursed to Employees	\$2,949.31	\$1,746.67
Nonoperating Margins—Interest	65,970	36,667	Total Director Per Diem Days	213	188
Nonoperating Margins—Other	53,294	34,689	Total Director Per Diem Amount	\$15,975.00	\$14,157.00
Extraordinary Items	463	0	Total Out-of-Pocket Direct Expenses		
Patronage Capital or Margins	22,255	(310,343)	Reimbursed to Directors	\$10,473.68	\$10,568.15

***** Available options and programs *****

For Illinois Valley Electric members

Your cooperative offers you the following special options and incentive programs. Some are designed to save you money, some are for earning credit on your electric bill, some are for your entertainment, and others are for convenience and safety.

***** Featuring this month *****

Rural T.V. Program for IVEC Members!!!



UST 4400 Super
• Built-in Descrambler
• Wireless Remote
• Standard C-Band
• 24 Channel
Ku Band Optional

• Complete satellite T.V. systems installed by IVEC

Low price of **\$1,997.50**

• Programming Available by IVEC

Basic Service — **\$11.95 mo.**

HBO-Cinemax-Disney other selections at low monthly rates!!

Look over this list and find the programs that fit your needs and call us.

- Dual energy space heating with electricity as primary source at off-peak rate of 3.75 cents kwh — \$75.00 per kw rebate up to \$400.00 for installation
- Electric thermal storage (ETS) secondary heating to qualify for off-peak rate — back-up heat for geothermal and dual energy "all-electric" systems
- General service rates (optional off-peak and on-peak)
- High-efficiency electric water heaters at a special price of \$125.00 for IVEC members only — \$125.00 rebate if controlled by timer clock
- An \$8 per month credit on billing statement if electric water heater is controlled by timer clock
- All-electric geothermal heating and cooling systems
 - ★ 300% efficiency — ground source GTS ★ better than gas furnace ★ clean energy
 - ★ off-peak rate of 3.75¢ kwh with ETS secondary heating ★ economical/affordable
 - ★ \$75 per kw rebate up to \$3,000 for all-electric installation
 - ★ \$1,500 Bonus for first six homes that install a geothermal system in 1992.
- Satellite television dish antenna systems — C-Band (24 channel) — Ku-Band (32 channel)
- Rural TV satellite program subscription packages — Basic Service \$11.95 mo. — HBO \$7.95 mo. — Cinemax & Disney \$14.95 mo. — other program selections available
- Air conditioning load leveler credit of \$20 for summer months of July and August — \$40 total benefit — no cost to member for installation of monitoring equipment
- Rental security lights for approximately \$12 per month
- Energy\$Teller service at no cost to help you budget electric usage in your home
- Two-way radio systems and telephone interconnect service — low monthly rates
- Six bill payment locations throughout IVEC's service area for your convenience
- Life-support equipment registry for dependent IVEC members
- Off-peak irrigation rate for controlled electric usage.

Some of these programs are featured in detail with this month's REN issue. If you want more information about the above programs, contact Illinois Valley Electric's Member Services Department at toll-free 800-654-1088.