

# These Special Features Maximize Your Protection

## • You Are Guaranteed Acceptance

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

## • First Day Protection

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

## • Benefits For A Lifetime

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

## • Pays On Top Of Any Insurance

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

## • Money To Spend As You Choose

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

## • Coverage Is Good At Any Hospital

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

## • Rate And Renewal Safeguard

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

## • Please Note These Limitations

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

## • Four Plans To Fit Family Needs

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

## • Money-Back Guarantee

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

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

### OPTION A

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

	39 & under	40 & over
	(use age of principal insured)	
Individual	\$18.45	\$21.20
Husband-Wife	34.35	39.30
All-Family	44.15	49.10
One-Parent	28.25	31.00

### OPTION B

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

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

### OPTION C

Pays \$900.00 A Month—\$30.00 A Day!

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

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

## Your Policy Will Arrive In This Handsome Document Holder



This sturdy, attractive portfolio is perfect for your policy and all your valuable personal papers. It's yours to keep even if you decide not to continue your protection.

## Get One Month of Protection Free

You can save over 8% by paying premiums once a year, instead of each month. That's like getting one month of protection free!

## Special Toll-Free Policyowner Hotline

As a Physicians Mutual policyowner, you'll have a direct line to the home office whenever you have questions about your coverage or need help with a claim.

## Enroll Today—Here's How:

Complete your guaranteed acceptance form and mail with \$1.00 to: Physicians Mutual Insurance Company, 2600 Dodge, P.O. Box 3313, Omaha, Nebraska 68172.

## GUARANTEED ACCEPTANCE FORM—Physicians Mutual Protection Plus Hospital Plan

(Please Print)

NAME \_\_\_\_\_  
First Middle Initial Last

ADDRESS \_\_\_\_\_  
Street Apt. No. City State Zip

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

DATE OF BIRTH \_\_\_\_\_ AGE \_\_\_\_\_  
Month Day Year

### Choose the Plan You Want (check one)

- Individual Plan 4       All-Family Plan 1  
 Husband-Wife Plan 3       One-Parent Plan 2

### Select Option You Prefer (check one)

- OPTION A Pays \$2,250.00 a month (\$75.00 a day) 69331-503  
 OPTION B Pays \$1,500.00 a month (\$50.00 a day) 69331-502  
 OPTION C Pays \$900.00 a month (\$30.00 a day) 69331-501

### Information About Your Spouse

(complete if you have chosen the Husband-Wife or All-Family Plan)

SPOUSE'S NAME \_\_\_\_\_  
First Middle Initial Last

DATE OF BIRTH \_\_\_\_\_ SEX \_\_\_\_\_  
Month Day Year

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

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

Form E-500-1

Please make check or money order payable to: Physicians Mutual 2600 Dodge P.O. Box 3313 Omaha, Nebraska 68172

P503/502/501-4844A



# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## Help us help you! Know your number

As winter is now upon us, ice storms that come up can cause terrible damage to an electric system. When a power outage does occur, please follow this procedure.

1. Check your fuses and circuit breakers;

2. If none of your lights burn, check with your neighbors to see if they have power;

3. If you are reasonably sure the trouble is not in your own wiring or equipment, then call the Cooperative—662-2171. The telephone is answered 24 hours a day. We have two telephone lines being answered. If you receive a

busy signal, keep trying. Contrary to what some people say—we **don't** take the phones off the hook.

When you call in please be sure to have your account number on hand, this is also the number for your location on our system. When you have this number ready for us, it will quicken our response time and your power will be restored as quickly as possible. Your account number can be found on your electric bill (see copy of bill). For example, if your account number is 0021280500, that tells us immediately that you are located in Map number 21 which is T-2, R-5, and

that you live in Section 28 and you are the 5th service in that section.

Also, please give us the name shown on the account. If the account is in John Smith's name and Mary Smith calls in—we don't know that Mary is John's wife.

All of this will assure we have the right person at the right location. We suggest you write your account number down on your telephone book or post it close to your telephone where it is ready when you call to report your outage.

If you have any questions regarding your account number, please contact us here at the office.

		<b>Clay Electric Cooperative, Inc.</b>		Address Correction Requested		
				Return Postage Guaranteed		
P.O. BOX 517		FLORA, ILLINOIS 62839		(618) 662-2171		
From Reading	To Reading	KWH Multiplier	KWH Used	Amount \$	¢	
WHOLESALE POWER COST ADJ. PER KWH						
BC	CL	<b>THIS STATEMENT IS NOT CONSUMPTION THROUGH</b>		Mo	Day	Yr
Rate Schedule		<b>Bill is Delinquent and Gross applies after this date</b>		Mo	Day	Yr
Cooperative Code	Meter Number	Account Number		Account Number		
Gross Amt. Due \$		¢	¢	Net Amt. Due \$		¢
<b>Keep For Your Records</b>				<b>RETURN THIS PORTION</b>		

## Board meeting report

### Minutes of trustees meeting of December 19, 1990.

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the November 19, 1990, regular meeting.

**Accepted** 17 new memberships in cooperative.

**Cancelled** 19 memberships no longer receiving service.

**Reviewed and approved** check disbursement list for the month of November 1990.

**Approved** work orders for the month of October 1990 totaling \$20,793.71 and authorized submission to REA for reimbursement.

**Reviewed and accepted** manager's financial, maintenance and

outage reports for the month of November 1990.

**Heard** a report of a recent Soyland board meeting.

**Heard** a report from the purchasing committee on bids for a new digger truck and authorized manager to accept the low bid for the purchase of a new digger truck from Eusco from White House, Tennessee.

**Authorized** manager to refund capital credit to estate of deceased member Henry Traub to comply with cooperative's policies for early retirement for deceased members.

**Authorized** manager to refund security deposits in compliance with cooperative's policies.

**Reviewed and approved** list of

write-offs of uncollectible accounts and authorized manager and cooperative attorney to proceed with legal action to effect collection.

**Approved** Lymone Hardcastle & Co. for the cooperative 1991 financial audit.

**Approved** donation to Salvation Army.

**Were advised** that NRECA course 540.2 would be held January 8 and 9, 1991, in Springfield.

**Approved** the sending of two participants to the NRECA Youth to Washington Tour.

**Heard** a report concerning an outage involving destruction of a pole.

**Adjournment.**

## Statement of nondiscrimination

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

"Any person who believes himself, or any specific class of individuals, to be subjected by this organization to discrimination prohibited by Title VII of the Act and the rules and regulations issued thereunder may, by himself or a representative, file with the Secretary of Agriculture, Washington, D.C. 20250, or the Rural Electrification Administration, Washington, D.C. 20250 or the organization, or all a written complaint. Such complaint must be filed not later than 180 days after the alleged discrimination, or by such later date to which the Secretary of Agriculture or the Rural Electrification Administration extends the time for filing. Identity of complaints will be kept confidential except to the extent necessary to carry out the purpose of the rules and regulations."

## Use portable heaters with care

Portable space heaters help us keep costs down while keeping warm. However, all portable heaters present some danger. Since they give off heat, parts of them will be hot and will burn someone touching them. All may ignite nearby flammable materials so keep a couple of feet away from them. All portable heaters require special care when used in the presence of children. Special care should be taken with electric heaters to keep them away from water, because water and electricity make a lethal combination.

**Do** choose a certified heater.

**Do** make sure it is properly connected.

**Do** read labels and follow all warnings and instruction.

**Do** keep clear space around the heater.

**Do** keep a window or door partially open at all times when you use an unvented fossil fuel heater.

**Don't** use or store flammable liquids near any portable space heater.

**Don't** put clothes on or over the heater to dry.

**Don't** use a heater as a "foot warmer," as the surface may be hot enough to cause burns.

**Don't** stand close to a heater while wearing long robes, night-gowns, or other clothing that may catch fire.

**Don't** let children play around the heater.

**Don't** put the heater in locations where people can bump into them or trip.

**Don't** let dirt build up inside the heater.

**Don't** use a portable electric heater in a bathroom.

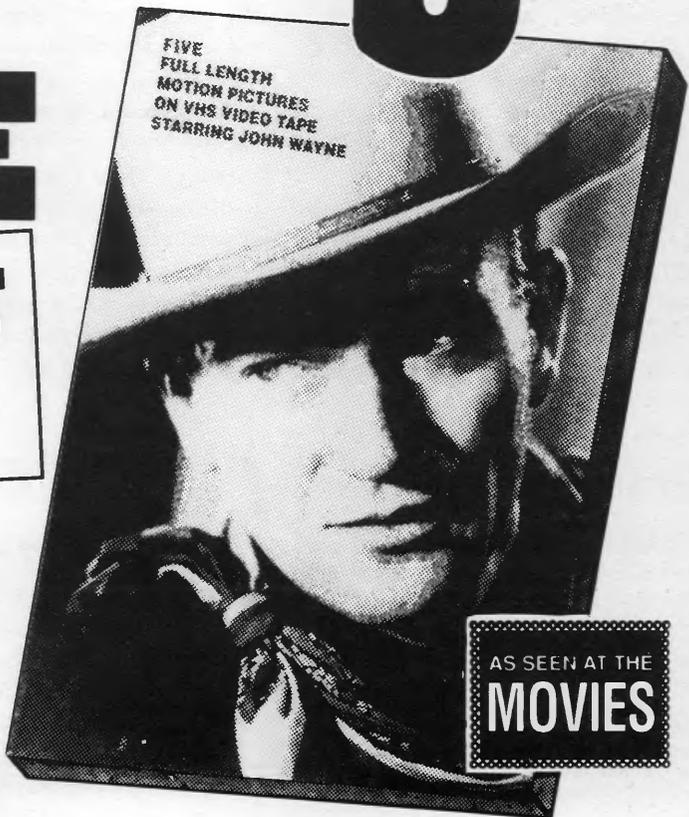
**Don't** forget regular inspections.

**ATTENTION GREAT MOVIE LOVERS:**

**We are giving away** **5**  
**JOHN WAYNE**

**Blockbuster Movies**  
 ON VHS VIDEO TAPE

**for less than**  
**\$2 each!!**



**OFFER OF A LIFETIME FOR JOHN WAYNE FANS.**

*Some of the most extraordinary Westerns ever to come out of Hollywood have not been seen by moviegoers under fifty years old...*

*With this offer...NOT ANY MORE.*

Here are five little known Blockbusters of yesteryear featuring the legendary John Wayne. All on super 1990-quality VHS Video Tape (for all your family and friends to enjoy again and again), for less than \$2 a movie.

Every full-length film is guaranteed to have you glued to your seat, couch, or bed from start to finish. From first gunshot to last.

In fact, we will put this guarantee in writing for you: *If you don't find this major collection of great John Wayne movies ("Angel and the Badman", "Blue Steel", "Lawless Range", "Helltown", "Desert Trail") a joy to view and own...we'll take back the collection for a full refund a YEAR from now.* (Of course, we expect you will love your movies and won't ever want to part with them. But you have the Guarantee.)

**NOTE ABOUT THE SPECIAL PRICE**

You are advised to respond at once to the \$2 give-away

offer, because it's part of a publicity promotion for releasing video tapes to the public - for the first time - by a mail order company. *When the promotion ends the offer will be withdrawn (advertising "coupons" will then no longer be accepted to obtain movies for \$2 each).*

**Classic Movie Society** XN2ES1  
 68 Washington Ave. • Dumont, NJ 07628

Please rush me \_\_\_\_\_ Complete Collection(s) of 5 John Wayne feature movies on super 1990-quality VHS Video Tape for only \$9.95 each Collection. (Add just \$4 P & H no matter how many videos you order up to limit four.)

Enclosed is my Check/Money Order for \$\_\_\_\_\_.  
 Or...charge my  VISA  MasterCard

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Print Name \_\_\_\_\_

Address \_\_\_\_\_

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

**ONE YEAR MONEY-BACK GUARANTEE!**

©1990 IRPI (NJ residents add sales tax.)



With much of the system damaged, Norris Electric Cooperative personnel were often at the system map. Here, Cloyce Johnson, left, maintenance superintendent, and Kenneth Madden, construction superintendent, work with outage reports. Each report form represents a trouble call, and each stack of slips represents a different section of line.

crew ready, our rain had turned to freezing rain and we started having problems ourselves. I had to send my apologies to the EWP, and send the crew out to work on our own storm damage.”

Some 2,000 or so of Southeastern's 18,500 members were affected by the storm. Most were back on in a reasonably short time.

Jim Hinman, manager of Tri-County Electric Cooperative, Mt. Vernon, reported that the storm moved in about 10:30 p.m. December 29. While it began as a light icing and a trickle of outage calls, the ice and trouble calls continued to grow into the night. “Most of the trouble was in southeastern Jefferson County,” Hinman says, “and all the damage was caused by trees and limbs in our lines. We didn't have any lines fail because of pole or line breakage from the weight of the ice on them. We were really pleased about that, because it shows that our maintenance program is paying off.” The most anyone was without electricity was about nine hours, he adds, and there were about 500 out at the worst of it. Unfortunately, one good-sized line—with about 50 people on it—was out for the entire nine hours.

In all, 12 electric cooperatives were hit by the ice, with varying degrees of damage and discomfort. In addition to those mentioned, Southern Illinois Electric Cooperative, Menard Electric Cooperative, Clay Electric Co-operative and Rural Electric Convenience Cooperative Co. all had troubles, as did M.J.M., Southwestern, Clinton, Edgar and Coles-Moultrie.

Most, it seems, had the common problem of ice-coated trees, rain, cold, fog and slick roads, all of which combined to make working conditions

miserable. Unlike the Easter ice storm that clobbered central Illinois in 1978 and was followed by a general thaw, the bitter cold lingered on during these storms, making the work more difficult.

Clay Electric had a problem that the others didn't have, at least in such abundance: high water. At least one line problem required the use of a boat. While other co-ops were inconvenienced by water sometimes, they were able, for the most part, to get where they wanted to by driving around the high water to the place they needed to be. Wayne-White crews had an unusual problem, too, and had to rent a crawler tractor to get a digger derrick into position.

While all the co-ops had their troubles, they had some bright spots, too. Although the phones were swamped with calls, most members could tell, just by looking out their windows, why they didn't have electricity. Most offered support and encouragement, even while asking how much longer they'd have to do without electricity.

When things were at their worst, borrowed crews were driving from various part of the state, most headed for Newton. Eastern Illini Electric Cooperative, Paxton, sent four crews. Adams sent two crews for the 210-mile drive to Newton, while Spoon River Electric sent a crew on the 185-mile trek to help their fellow co-op workers. Corn Belt Electric sent a crew, as did Illinois Rural Electric Co. and Monroe County Electric Co-operative. Menard Electric Cooperative, Coles-Moultrie Electric Cooperative and Rural Electric Convenience Cooperative Co. all contributed crews, in another exhibition of “the cooperative difference.”



# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## Board meeting report

### Minutes of trustees meeting of January 21, 1991.

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the December 17, 1990, regular meeting.

**Accepted** 17 new memberships in cooperative.

**Cancelled** 18 memberships no longer receiving service.

**Reviewed and approved** check disbursement list for the month of December 1990.

**Approved** work orders for the month of November 1990 totaling \$8,029.24 and authorized submission to REA for reimbursement.

**Heard** a presentation concerning a feasibility study for load management for the Cooperative. **Authorized** completion of the

feasibility study.

**Reviewed and accepted** manager's financial, maintenance and outage reports for the month of December 1990.

**Heard** a report of a recent AIEC board meeting.

**Reviewed and approved** payment of Clay's share for improvements at the AIEC headquarters in Springfield, Illinois.

**Heard** a report of a recent Soyland board meeting.

**Discussed and appointed** a capital budget committee to recommend to the board a capital budget for 1991.

**Approved** delegate and alternate delegate for the NRECA and CFC annual meeting.

**Approved** a contribution to the 4-H foundation.

**Discussed** drug testing in the work place, employee assistance programs and remedial drug education programs required by recently passed legislation.

**Authorized** manager to refund \$870 in deposits to members that had established a good payment history in accordance with Policy 200-3.

**Were advised** by the attorney that the letter from REA to the cooperative president stated that according to their recent loan fund audit, they are of the opinion that all loan funds received by the Cooperative from REA had been properly applied and accounted for.

**Adjournment.**

## Energy hints for the home

### ● Weather protection

Test your windows and doors for air tightness. Move a lighted candle around frames and sashes of your windows. If the flame dances around, you need caulking or weatherstripping. Weatherstripping around windows and doors keeps out drafts and makes it harder for energy to leak outside the home. Also caulk carefully around moldings, joints, nails and vents.

### ● Cook efficiently

Never boil water in an open pan. Water will boil faster and use less energy in a kettle or covered pan.

### ● Water heating saving

Check the temperature on your water heater. Most water heaters are set for 140 degrees F or higher, but you may not need water that hot unless you have a dishwasher. A setting of 120 degrees F can provide adequate hot water for most families. If you reduce the temperature from 140 degrees F to 120 degrees F, you could save approximately 18 percent of the energy used at the higher setting. Even reducing

the setting 10 degrees F will save more than 6 percent in water heating energies.

Wrapping your water heater with an insulated blanket made for that purpose will make your water heater work more efficiently.

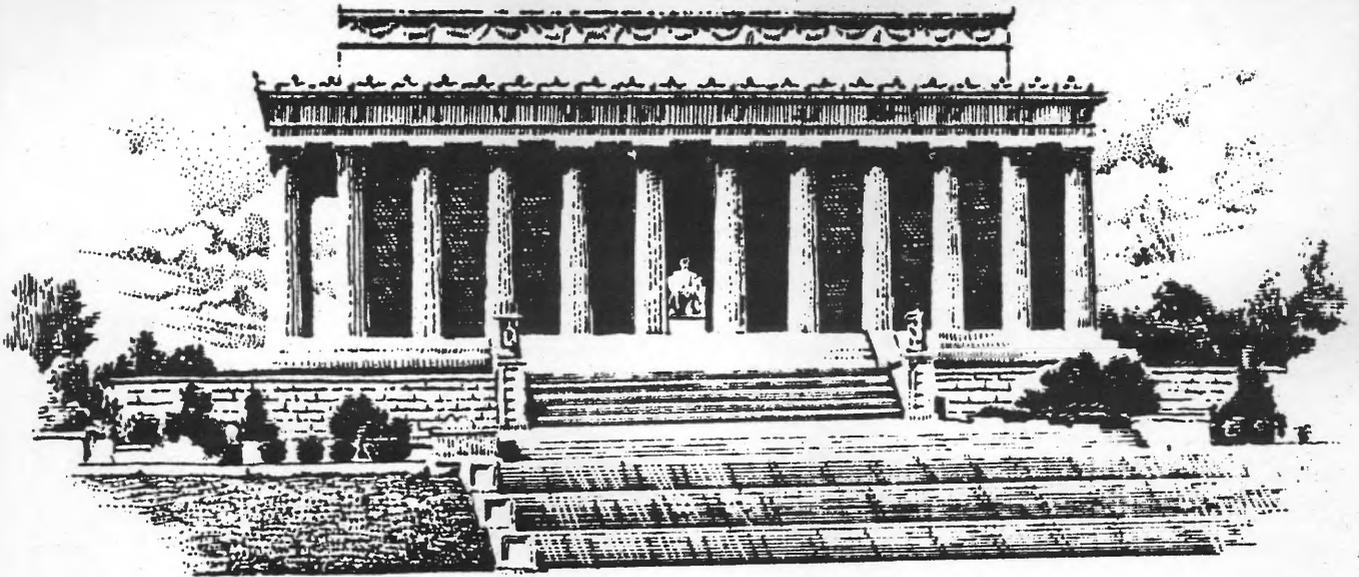
● **Close the drapes** every night to keep heat inside.

● **Install storm windows**

If you can't afford it, tape a sheet of polyethylene on the inside of your windows.

### Ordering tips

Tips for Energy Savers is a 60-page booklet containing more than 190 ideas for saving energy and money for your car, home and office. The booklet also contains suggestions for purchasing efficient appliances. Published by the U.S. Department of Energy, copies of TIPS may be obtained by phoning the DEO's Conservation and Renewable Energy Inquiry and Referral Service toll free at 1-800-523-2929, or by writing CAREIRS at P.O. Box 8900, Silver Spring, MD 20907.



# Youth to Washington tour

The Youth to Washington tour is an all-expense-paid trip to Washington, D.C., June 14 through June 21. The contest is sponsored by Clay Electric Cooperative, Inc.

Winning students get to take a scenic tour of historic sites of Washington, D.C., get the opportunity to meet their national legislators and build lasting friendships with other high school students on the tour.

Four semi-finalists get to tour Springfield during "Youth Day," meet their local legislators and other students who participated in other electric cooperatives' Youth Tour contests.

## Eligible participants:

1. All high school students who are in their junior year.
2. Students whose parents are employed by Clay Electric Cooperative, Inc. or on the board of trustees of Clay Electric are not eligible. They can participate as Willie Wiredhand students.

## Contest procedure:

1. Students will be required to write a 500-word essay on a specific topic (relating to electric cooperatives and their history.)
2. Resource materials will be provided by Clay Electric to aid in research of the topic, or students can do research on their own.
3. A panel of judges will be selected to review the essays and select four semi-finalists, and then select the two winners.

## Deadlines to enter:

1. Essays must be submitted to Clay Electric by February 28.
2. Four semi-finalists will be selected by March 30 to participate in the Springfield Youth Day activities April 10. This trip is a one-day affair and all expenses are paid by Clay Electric Cooperative.

## Youth to Washington Essay Contest topic

**As we look into the 90s and beyond, have rural electric cooperatives served their purpose and should they be phased out?**

You will be provided resource material for the essay topic. The essay needs to be as follows:

1. 500 words or more in length
2. Typed and doubled spaced
3. Spelling and grammar should be correct
4. Original in concept

With the resources provided you should be able to make an opinion and use facts from the material to support your opinion. Please feel free to use other sources of material to help aid you in writing of the essay.

**ATTENTION MOBILE HOME OWNER!**  
KEMCO ROOF-OVER System is the Ultimate Solution for a Problem Roof!



- REDUCES HEATING & COOLING COSTS.
- MAINTENANCE FREE.
- BUILT IN OVERHANG & GUTTERING ELIMINATES WATER STREAKS ON SIDE OF HOME.
- STRONG ENOUGH TO STAND ON.
- NO MORE ROOF COATING YEAR AFTER YEAR.
- QUIET! NO ROOF RUMBLE OR RATTLE
- ELIMINATES CONDENSATION & WATER PROBLEMS

Standing lockseam design on top of 2" polystyrene insulation form the energy efficient KEMCO ROOF-OVER System

Kemco Aluminum • 1-800-456-KEMCO

**DID YOU KNOW?**

That old stock tank, water reservoirs, etc., coated with Virden Tank Coat, are better than new ones! Fix it and forget it! Let us send you complete information. Serving Farm & Ranch Since 1950. **VIRDEN PERMA-BILT CO.**, 2821 Mays St., P.O. Box 7160IN, Phone: 806/352-2761, Amarillo, Texas 79114-7160

**MISSING**



**ILEANA BLANCO**

LAST SEEN: 06/17/89 EYES: Dk. Brown  
FROM: Ossining, NY HEIGHT: 5'4"  
DOB: 07/06/75 WEIGHT: 130  
WHITE/HISPANIC FEMALE HAIR: Dk. Brown



**MICHAEL OMAS MASAOAY**

LAST SEEN: 01/25/89 EYES: Brown  
FROM: Son Francisco, CA HEIGHT: 5'11"  
DOB: 06/25/72 WEIGHT: 160  
ASIAN(FILIPINO) MALE HAIR: Brown

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

**1-800-843-5678**

(sightings only)

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

**-Safety Tip of the Month-**

Instruct your child's school to notify you immediately if your child is absent. Inform the principal who is authorized to pick your child up from school. Try to have the same person every day.

© National Child Safety Council 1988 • All Rights Reserved • LITHO USA

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

**1-800-222-1464**  
in Michigan, (517) 764-6070

**Announcing Exclusive United States Veterans Commemorative Military Watches**

**AN EXCLUSIVE LIMITED OFFER!**



**IDEAL GIFTS FOR HOLIDAYS AND BIRTHDAYS.**



**Available Only for Veterans of the United States Army, Navy, Air Force, Marines and Coast Guard**

We are extremely proud to honor those who have served our Country. To do so, we have commissioned an exclusive commemorative watch only for Veterans of the United States Army, Navy, Air Force, Marines and Coast Guard.

This special timepiece is personalized with your Official Service Branch Emblem, engraved with your initials and years of service, and delivered in a handsome gift box.

Features include a precision quartz movement, 24 hour time designations, date window, water resistant, silver-tone case decorated with 1 micron of gold, and adjustable bracelet and 3-year warranty.

This beautiful watch will serve as a permanent reminder of your special place in history. It is "THANK YOU" priced at just \$85\*. And, your satisfaction is guaranteed or your money back — no questions asked.

© 1991 ICM

Mail to: Veterans Commemoratives, Dept. RW-16, 36334 U.S. 19 N., Palm Harbor, FL 34684

YES. I wish to order the following Exclusive Veterans Commemorative Military Watch:

- ARMY,  NAVY,  AIR FORCE,  MARINES,  
 COAST GUARD (not shown)

MY INITIALS:

MY SERVICE YEARS: \_\_\_\_\_ YR. TO \_\_\_\_\_ YR.

I wish to pay as follows:

- Enclosed is my down payment of \$39. I will pay the balance in two monthly installments of \$23.\* each.  
 Charge my credit card in 4 monthly installments of \$21.25\* each.

AmEx  VISA  MASTERCARD Expiration Date \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

Credit Card # \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State \_\_\_\_\_ Zip \_\_\_\_\_

**Call Now To Reserve Your Watch**  
**1-800-874-3337**  
24 Hours A Day, 7 Days A Week

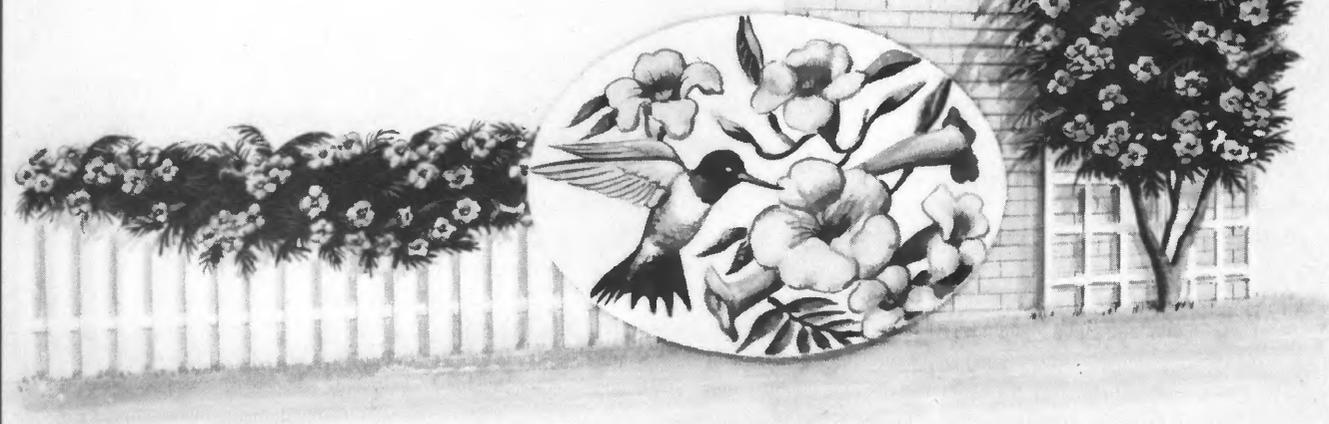
\*Plus 14.95 for Shipping and Insurance. FL & MI res. add sales tax. (Allow 4-6 weeks for shipment)

**A PILLAR OF FLAMING TRUMPETS**

# **HARDY HUMMINGBIRD VINE** (CAMPSIS RADICANS)

**PRICES SLASHED**

AS  
LOW AS **\$2.24** EACH  
IN QTY.



## **ZOOMS ROOF HIGH THE FIRST YEAR!**

**N**o other flowering plant you can grow will attract hummingbirds faster than the fabulous trumpet vine. The very first year of planting the beautiful, hardy vines will climb skyward, grasping any kind of support . . . man-high within a few weeks . . . roof-high by mid-summer . . . a pillar of flaming red trumpet flowers, each loaded with nectar that hummingbirds find so irresistible, they return year after year to thrill you and your family. These plants are foolproof to grow, thrive even in poor soils, sun or shade. Climbs on its own, covering walls, arbors and fences in no time at all.

© 1991 Gardeners' Choice TM General Offices: P.O. Box 237, Hartford, MI 49057

### **GARDENERS' CHOICE GUARANTEE**

You must be delighted with your purchase. If not, return it for a prompt and full refund. All orders are processed immediately and notification will be sent in case of delay. Shipment is guaranteed in time for proper planting.



Mail to: Gardeners' Choice™ P.O. Box 237  
Dept. SB50-EL, County Road 687, Hartford, MI 49057

Yes, I want to grow the Hummingbird Vine. Please rush me the number of plants checked below:

- 1 Hummingbird Vine . . . \$ 3.98 + \$1.50 P&H
- 3 Hummingbird Vines .. \$ 7.98 + \$2.25 P&H
- 6 Hummingbird Vines .. \$14.98 + \$2.75 P&H
- 12 Hummingbird Vines .. \$26.98 + \$3.25 P&H

Total amount enclosed \$\_\_\_\_\_.

CA, MI and NY residents please add sales tax.

Name \_\_\_\_\_

Address \_\_\_\_\_

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# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## *Board meeting report*

### **Minutes of trustees meeting of February 18, 1991.**

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the January 21, 1991, regular meeting.

**Accepted** 18 new memberships in cooperative.

**Cancelled** 18 memberships no longer receiving service.

**Reviewed and approved** check disbursement list for the month of January 1991.

**Approved** work orders for the month of December 1990 totaling \$15,956.55 and authorized submission to REA for reimbursement.

**Reviewed and approved** manager's financial, maintenance and

outage reports for the month of January 1991.

**Heard** a report from the capital budget committee and directed manager to prepare a capital budget in accordance.

**Approved** an operating budget for the coming year.

**Heard** a report of the recent NRECA and CFC annual meetings.

**Heard** a report from the cooperative attorney concerning legislative and judicial matters affecting the cooperative.

**Appointed** delegates for the Soyland annual meeting.

**Appointed** H. Clifford Cammon and James E. Campbell as nominees for the position of directors on the Soyland Power Cooperative board

and as alternate, Franklin C. Byers.

**Authorized** manager to refund capital credits to the estate of deceased member Max Gunnells to comply with cooperative's policies for early retirement for deceased members.

**Authorized** manager to invite another co-op manager to appear at the March 1991 board meeting to present information regarding that co-op's experience with load control.

**Tabled** action on salary and wage review for 1991 for resolution at the March board meeting.

**Tabled** action on review of director fees for resolution at the March board meeting.

**Adjournment.**



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# Put your fire safety I.Q. to the test

Knowing the answers to these questions from the U.S. Fire Administration could keep costly, even tragic accidents from happening in your home. Take a few minutes to test your fire safety know-how; then share the quiz with your family and friends.

## True or False?

1. It is safe to use extension cords and multi-outlets to increase your electrical capacity?
2. Four plugs in a socket is average.
3. Frayed electrical cords can be made safe by wrapping the exposed area with electrical tape or duct tape.
4. Fire extinguishers belong in the kitchen.
5. Matches/lighters should be stored in a child-safe place.
6. Smoke detectors are unnecessary luxury items.
7. Damp clothing is easily dried when draped

over an electric space heater.

8. On a farm or ranch, there should be at least 50 feet of open space between buildings.
9. Feed and seed driers should be packed full every time they are used.
10. It is important to let static electricity from a tractor "bleed" before refueling.
11. Protection against lightning fires isn't really necessary.
12. Deadwood (trees and branches) should be left of the ground because it breaks down into mulch, a natural fertilizer.
13. Hay that is not completely dry before storing can actually catch fire.
14. Signs of improperly dried hay are steaming, unusual odors, wet areas and "flues" in the hay.
15. It is not necessary to have access roads through heavily wooded areas.

US Fire Administration  
Courtesy of Rural Minnesota News  
November 1990

8. False. As a general rule, there should be at least 100 feet of open space between buildings to prevent fire from spreading.
9. False. Feed and seed driers should never be packed full, as this contributes to spontaneous combustion. Make sure your machines are large enough to handle the workload.
10. True. Allow several minutes for the static electricity in your tractor to "bleed" into the atmosphere before refueling because the electricity can spark and cause an explosion.
11. False. Your home (including barn, outbuildings, etc.) should definitely have a lightning protection system, which should be checked regularly for breaks, worn spots and corrosion, especially at ground connections.
12. False. Both deadwood and mulch are very flammable. Remove deadwood as it piles up. A neat yard is a safer yard.
13. True. Damp hay will quickly rot. The process of decay generates heat which can cause the hay to burst into flames.
14. True. Steaming, unusual odors, wet areas and the presence of "flues" are all signs of improperly dried hay.
15. False. A road or wide path is necessary in heavily wooded areas to allow fire trucks passage.

1. False. It is extremely hazardous to overload electrical circuits by using extension cords and multi-plug outlets. Electrical fires spread quickly and are difficult to control. Use extension cords only when absolutely necessary and then use heavy duty ones. Avoid using multiple outlets.
2. False. One or two plugs in a socket is the maximum—four is dangerous. But even one appliance, like an iron, can overload some sockets. It depends on the current draw vs. the capacity of the circuit. Get some professional advice if needed.
3. False. Taping does not make frayed electrical cords safe. Frayed cords should be replaced immediately.
4. True. Kitchen fires are often fueled by cooking oil or electrical appliances, and can't be put out with water. A 10-pound dry chemical fire extinguisher placed in a handy spot saves lives. A heavy pot lid can work too.
5. True. A leading cause of death for toddlers is playing with matches and lighters.
6. False. Smoke detectors are not expensive luxury items. Models are available in the \$5-\$20 price range at hardware stores, home centers and department stores. And having one or more working smoke detectors in your home doubles your family's chances of surviving a fire.
7. False. Clothing should never be dried on an electric space heater. All combustible objects should be kept well away.

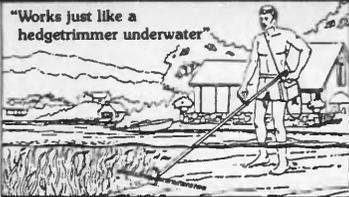
## Fire safety answers

## Office closing

Clay Electric Cooperative will be closed Friday, March 29, for Good Friday.

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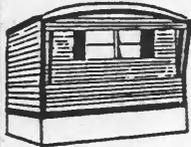
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# SIPC challenge:

## Federal Clean Air Act provisions

Southern Illinois Power Co-operative (SIPC) faces new challenges in months and years ahead to comply with provisions of the new federal Clean Air Act. Officials of the Marion-based power supplier, reporting during the cooperative's annual meeting at the Lake of Egypt headquarters March 21, said the legislation pushes power generators into a new era.

James R. Chapman, general manager, said the cooperative's primary objective "is our responsibility to provide a reliable and competitively priced wholesale power supply" to the three member-cooperatives. "The new Clean Air Act will complicate our obligation, and our task will become even more difficult," he

added. "It will take several years for the Environmental Protection Agency to enact all of the regulations required by the new law, but some of the new requirements for power plant operations are beginning to emerge."

Chapman said acid rain prevention will have the greatest impact on SIPC, noting that the law particularly targets sulfur dioxide and nitrogen oxide emissions. "But," Chapman said, "it will be a period of time before we know the exact requirements placed on our cooperative."

SIPC is made up of three Southern Illinois electric distribution cooperatives: Egyptian Electric Cooperative Association, Steeleville; Southeastern

Illinois Electric Cooperative, Eldorado; and Southern Illinois Electric Cooperative, Dongola. The three member-cooperatives serve about 40,000 meters within a 19-county block lying between the Mississippi and Ohio rivers.

Harold I. Dycus of Carbondale, president, continued on the subject of environmental regulations, noting that SIPC entered into an agreement in 1990 with a private company to serve as the host facility for a commercial demonstration of a coal burner designed to reduce sulfur dioxide and nitrogen oxide emissions.

"Construction of this demonstration project is part of the U.S. Department of Energy's clean coal program. If the technology proves successful, high-sulfur Southern Illinois coal could be burned. The burner would allow SIPC to meet air quality standards with our older generating units and not have to install costly scrubbers or switch to burning low-sulfur coal," Dycus added.

Dycus said the cooperative begins the 1990s with 30 years of experience. "The diligence of the board of directors and sincere commitment of management and employees has ushered in a period of stability and competitiveness," he said.

Kenneth Webb of Tunnel Hill, secretary-treasurer, said electric sales to members increased for the ninth consecutive year, up 1.4 percent from the previous year. He said SIPC used 693,172 tons of coal in 1990, compared to 589,875 tons in 1989. He noted that the cooperative paid almost \$2.5 million in taxes to local, state and federal governments in 1990.



Lawrence Wilke (seated center) of Karnak is the new president of Southern Illinois Power Co-operative. Other new officers are Kenneth R. Webb (seated right) of Tunnel Hill, vice president, and Raymond C. Mulholland (seated left) of Marissa, secretary-treasurer. Standing, from left, are James R. Chapman, executive vice president and general manager, and Charles D. Winter, attorney.

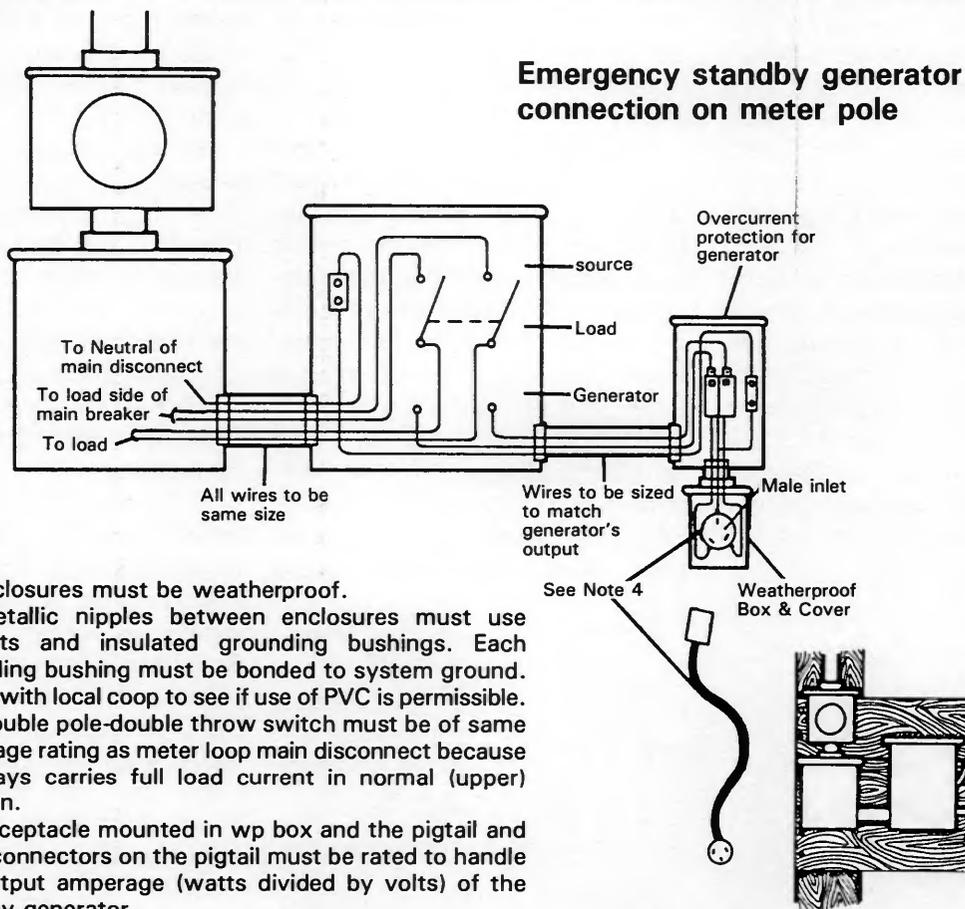


# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS



## Notes

1. All enclosures must be weatherproof.
2. All metallic nipples between enclosures must use locknuts and insulated grounding bushings. Each grounding bushing must be bonded to system ground. Check with local coop to see if use of PVC is permissible.
3. The double pole-double throw switch must be of same amperage rating as meter loop main disconnect because it always carries full load current in normal (upper) position.
4. The receptacle mounted in wp box and the pigtail and the 2 connectors on the pigtail must be rated to handle the output amperage (watts divided by volts) of the standby generator.

## Standby generator needs double-throw switch

A portable generator or alternator, used at home as an emergency power supply source, can be a wonderful device in times of power loss.

However, even the most useful device can cause serious problem if not used correctly.

One of the most common misconceptions about portable generators is that they can be plugged directly into a house's circuitry and be used to substitute for the loss of power during an outage. Plugging such a power source directly into your home's circuits can cause serious electrical problems, including burned out and badly overloaded circuits, creating a fire hazard.

Portable power units are designed and rated to handle specific power loads, which should be carefully adhered to at all times. Trying to operate an entire household circuit system on a portable unit is asking

for trouble. In addition, when power is fed into your household circuits from a portable unit it is also being fed into your outside lines, energizing otherwise "dead" lines during outages. Such action can lead to severe damage to the system, as well as create a serious safety hazard.

Double-pole switches installed at the meter box can prevent power from a portable source from entering incoming lines, reducing the potential for serious problems.

If you own such a unit or are planning on purchasing one, make sure you know the operating limits of this device. If you are not sure, please feel free to ask for advice from the personnel at Clay Electric. They can be helpful in giving you specific wiring guides as set by the National Electrical Code.

## Minutes of trustees meeting of March 18, 1991.

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the February 18, 1991, regular meeting and the special meeting held March 5, 1991.

**Accepted** 10 new memberships in cooperative.

**Cancelled** 19 memberships no longer receiving service.

**Reviewed and approved** check disbursement list for the month of February 1991.

**Approved** work orders for the month of January 1991 totaling \$64,757.60 and authorized submission to REA for reimbursement.

**Reviewed and approved** the manager's financial, maintenance and outage reports for the month of February 1991.

**Heard and approved** a report from the cooperative's auditor concerning the 1990 audit and directed the manager to file with REA and all supplemental lenders.

**Heard** a report from REA field representative Stu Churchill regarding changes in REA loan qualifications and their affect upon the cooperative.

**Heard** a report from the cooperative attorney concerning legislative and judicial matters affecting the cooperative.

**Authorized** manager to refund

capital credits to the estate of deceased member Velma Kuenstler to comply with the cooperative's policies for early retirement for deceased members.

**Approved** and authorized manager to refund a list of security deposits totalling \$655.00 according to cooperative policy.

**Heard** a report of a recent AIEC board meeting.

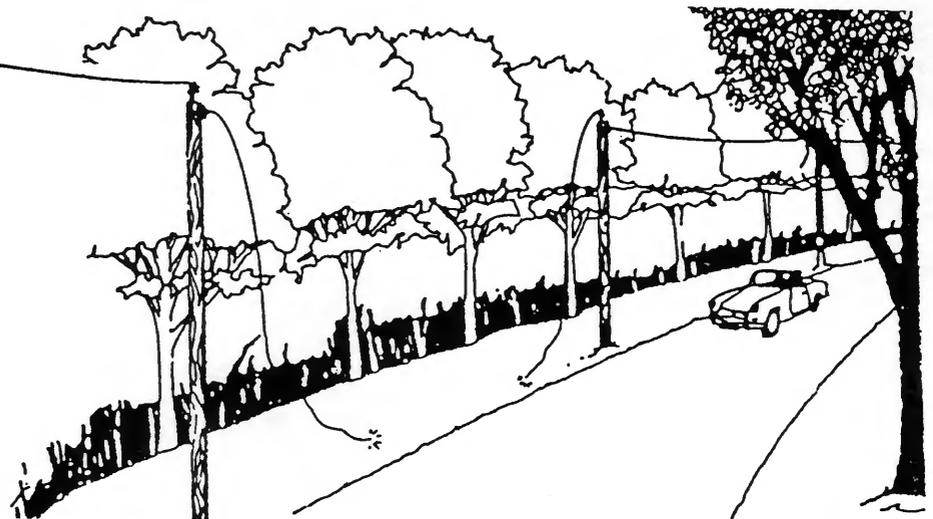
**Approved** contributions to the Shrine Circus, American Heart Association and March of Dimes.

**Approved** a salary adjustment for 1991, retroactive to January 1, 1991.

**Approved** amendment to Policy Bulletin No. 800-4.

**Adjournment.**

## Spring safety corner:



As we all know, spring is accompanied by the potential danger of spring storms. The sight above is very familiar to use at your electric cooperative. Can you identify some dangers this down line represents?

### Ask yourself:

- Is the line still energized?
- Does anyone know the line is down?
- Are there other people in the area?
- Do the children know the danger the downed line represents?

Many times we take electric lines for granted; and we forget the deadly potential of lines on the ground. Here are a few of our recommendations if you do come upon the above accident:

- Treat any downed line as a live wire
- Call Clay Electric immediately to report the incident

Stay in the area to warn others who may come along

Educate you children about the dangers of electric lines. It is never to soon to start teaching them to respect all electric lines and appliances.

### To report an outage

Call your electric cooperative, and give the person who answers the phone as much information as possible: Your Name, Your account Number, Location of the problem if you know (Even a meter number or tag number on a pole will help). Give them your phone number so they can call you back for more information if necessary. Our number is (618)662-2171.



Agriculture Secretary Ed Madigan (left) talks with Illinois electric cooperative managers Wm. David Champion, Jr., (center) of Paxton and Jeffrey D. Reeves of Bloomington when Madigan was a U.S. Representative.

## New Agriculture Secretary Madigan gets high marks

Like the solid Illinois farmers he represented in Congress, Edward Madigan is most interested in what works.

That pragmatic desire to get things done may have cost him a promotion in the House Republican leadership, but many believe it also landed him his new job: that of Agriculture Secretary in President Bush's Cabinet. And it's a quality expected to serve him well in the years ahead.

Well-regarded in Washington, D.C., as an effective lawmaker, and well-liked by his former constituents in east-central Illinois (15th District), Madigan is expected to be a cautious and conscientious manager of the U.S.

Department of Agriculture.

Bush chose Madigan, an 18-year House veteran with senior status on the key committees of Agriculture and Energy, to replace former Agriculture Secretary Clayton Yeutter when Yeutter moved over to head the Republican National Committee. Madigan won an easy confirmation by the Senate in early March.

It was, no doubt, a sweet turnaround for a man who had suffered a rare and highly publicized defeat a couple of years earlier, when frustrated House Republicans rejected collegiality in favor of confrontation. On an agonizingly close 87-85 vote, Madigan lost the race for Mi-

nority Whip, the second-most powerful slot in the ranks of House Republican leaders.

"Madigan is a negotiator, not a headline-seeker," says Cliff Ouse, executive director of government relations at the National Rural Electric Cooperative Association. NRECA is the Washington, D.C.-based service organization for the nation's 1,000 consumer-owned rural electric systems.

"He wants to get solutions to things," Ouse adds.

Getting to a solution may have been the driving force behind Madigan's role in a vote last fall that dealt rural electric systems a stinging blow.

As a budget crisis gripped the

spending, and it will improve our nation's environmental quality," said Mark Hopkins, author of the report. Hopkins reported that federal investment in energy conservation measures dropped from more than \$250 million five years ago to less than \$45 million in 1989. His report recommends establishment of a new energy management goal and the creation of a federal efficiency fund in the U.S. Department of Energy.

## Feds should use farm fuels, corn growers say

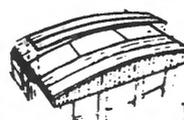
The government should use ethanol-blend fuels in its vehicles to show a commitment to alternative fuels, corn farmers say. Jack Kintzle, president of the National Corn Growers Association, says ethanol is an "alternative energy source that must be part of any national energy strategy." His group urged three steps to foster the development of renewable, farm-grown fuels: an immediate switch to using ethanol-blend fuels in government vehicles; guarantee that ethanol gets "an amount equal to research and development [funding] for other alternative fuels, and creation of an income tax credit for those investing in ethanol production. Corn is the premier source of ethanol, although wood pulp, grasses and other cellulose-containing plants are being studied as alternatives. The association says it would take an additional three million ears of corn to produce enough ethanol to supply 5 percent of U.S. fuel needs.

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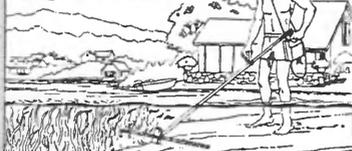
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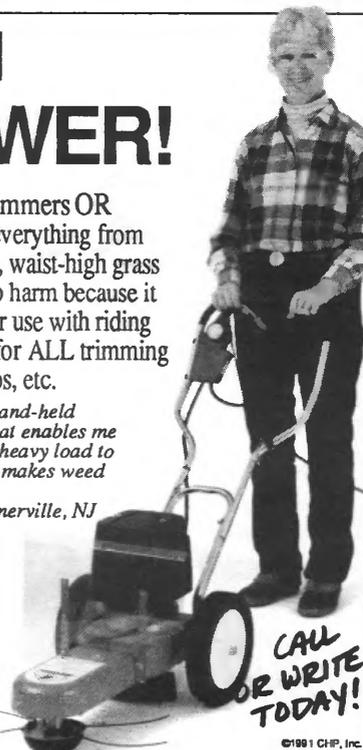
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- Tom Lawrence, 294A Amwell Road, Somerville, NJ



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# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## *Board meeting report*

**Minutes of trustees meeting of April 15, 1991.**

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the March 18, 1991, regular meeting.

**Accepted** 10 new memberships in cooperative.

**Cancelled** 9 memberships no longer receiving service.

**Reviewed and approved** check disbursement list for the month of March 1991.

**Approved** work orders for the month of February 1991 totaling \$9,471.31 and for the month of

March 1991 totaling \$3,726.64, and authorized submission to REA for reimbursement.

**Reviewed and approved** manager's financial, maintenance and outage reports for the month of March 1991.

**Heard** reports of recent AIEC and Soyland board meetings.

**Heard** a report by the cooperative attorney concerning recent legislative and judicial activities affecting the cooperative.

**Reviewed** a video tape offered by the cooperative's insurer.

**Tabled** a decision for director

and officer insurance until more information is obtained.

**Accepted** the low bid of Federated Insurance Cooperative for insurance coverage.

**Approved** the participation of the cooperative in the CFC Cooperative Integrity Fund.

**Approved** the date for the annual meeting of Clay Electric Cooperative to be held September 5, 1991.

**Approved** purchase of an ad in the Clay County Fair Association Book.

**Adjournment.**

## **Confusion about insurance**

It has come to our attention that members of Clay Electric Cooperative have received mail recently about insurance. There is some confusion about Clay Electric Cooperative and the insurance company. The name of the insurance company is Reserve National Insurance Company. Clay Electric is not affiliated with the company and does not endorse its policies.

The mail, sent simply to "Postal Patron Local," has a return address bearing the words: "A National Association of Rural Cooperative Members." The group has no known affiliation with any rural electric cooperative.

If you receive any mail about insurance or anything else, and you are not sure of its legitimacy, double check. If a salesman suggests he represents a firm affiliated with rural electrification, ask questions and get written proof of any affiliation.

Your electric cooperative's good will has been built on 50 years of trust. Don't let someone trade on that good will and trust to sell you insurance, or anything else.

If Clay Electric Cooperative can be of any assistance in answering any questions you may have, please feel free to call 662-2171.

## **Bill calls for more EMF research**

A bill calling for a comprehensive federal research and information program into the health effects of electric and magnetic fields (EMF) has been introduced in Congress by Rep. Frank Pallone, Jr. (D-N.J.)

The proposed legislation has been endorsed by the National Rural Electric Cooperative Association, which

represents the nation's 1,000 consumer-owned electric utilities.

The bill would authorize a five-year, \$34 million study, directed by the Department of Energy, to evaluate the health effects of EMF, whether power lines can be designed to reduce health risks, and to distribute

EMF information to the public.

Electric and magnetic fields exist wherever current is flowing through wires, such as power lines or home appliances. In the last 20 years several studies have found a possible association between magnetic fields and cancer. Other studies have failed to confirm those findings, leading most scientists to conclude that more research is needed into the health effects of EMF.

In introducing the bill, Pallone said, "The primary task is to come up with more definitive answers based on careful scientific research that has credibility with the public."

He noted that a draft study of EMF by the Environmental Protection Agency calls for further research.

Pallone added, "It is extremely important to more widely disseminate even the partial answers we have today in order to calm the fears that some people have that they are not getting the full story."

In a letter supporting the bill, Bob Bergland, executive vice president of NRECA, told Pallone, "The bill provides for vitally needed, increased levels of funding for research into the health effects of EMF."

The electric utility industry is currently spending about \$6 million a year on EMF research.

## Outdoor work a pleasure with electric tools

Tired of pulling your guts out to start your lawn mower? Is your gas-powered weed trimmer refusing its meals? Are you fed up with food from your patio grill that tastes like crude oil? Are the mosquitoes threatening to carry you and your loved ones away?

Often, it is too hot for hassles. Fortunately, there is an electric alternative for almost every outdoor task—from mowing grass to lighting the charcoal to zapping bugs—that will leave more time for enjoyable pursuits.

One flip of a switch on an electric mower takes the place of repeated and often fruitless pulls on a starter rope. An enlightened member says, "You usually can't hear for two hours after using a gas mower. If everyone used electric mowers there would be a lot less noise. All you hear with an electric is the click of the grass being cut."

An electric weed trimmer never runs out of gas and its fuel doesn't need mixing. A couple of electric bug zappers can replace countless cans of insecticide—without harming the environment.

And if you've ever suffered through a cookout unable to get the charcoal started (despite repeated dowsings with lighter fluid), try an electric charcoal lighter. This device is a coil that works like the burner on your electric stove. You place the coil on a bed of charcoal, cover it with more charcoal, and plug it in. Minutes later the charcoal is ready to use, without the fuss, the explosion, the smell or the taste of lighter fluid.

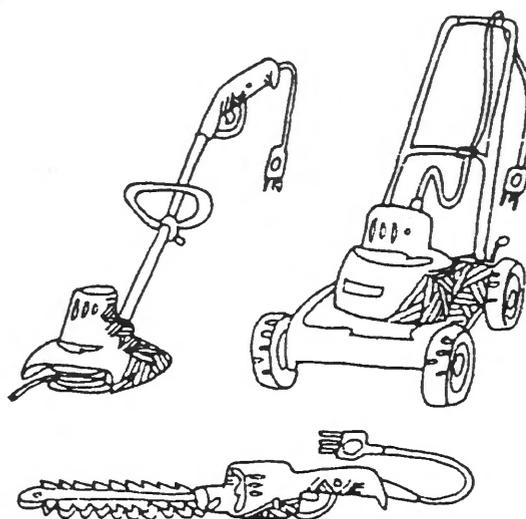
Better yet, get an electric grill. These grills are safe, with no open flames or danger of explosion. Use hickory or mesquite chips to create the flavor of a charcoal fire without the mess. And they are efficient too, costing about 15 cents per cookout to operate. Turn it on high for 10 minutes and it's ready to cook.

Often, yard work leaves a mess of leaves and grass clippings behind. Cleanup is no problem with an electric leaf blower. This device is a powerful fan that directs a blast of air where you point it. They come in handy when autumn drops a tree full of leave in your yard.

If painting the house is on your "to-do" list, trade in your brush for an airless paint sprayer. Painting with a sprayer eliminates brush marks and actually uses less paint than a brush or roller. And it can cut in half the

time it takes to paint.

If the cord is a problem, cordless equipment is available. In the past, rechargeable, battery-powered equipment lacked power. New technology has changed this, however. Cordless models may be your best bet



if you don't have a lot of outdoor electric outlets.

If you invest in battery-powered equipment, do the recharging at night when demand for electricity is traditionally low.

In many cases, adding strategically placed outlets is cheaper than buying several extension cords. Generally, 200 feet is the longest practical length for an extension cord. Beyond this, a voltage drop occurs that may cause your equipment to function improperly. The National Electrical Code specifies a ground fault circuit interrupter (GFCI) for any outdoor electric outlets. The GFCI will shut off the power quicker than the blink of an eye should a short circuit occur. If your home doesn't have GFCI outlets, you should consider replacing them. In any case, always use three conductor cords and double-insulated tools.

Given a choice, most people would rather go fishing than cut the grass at this time of the year. So why not make your yardwork as pleasant as possible? Do it electrically.

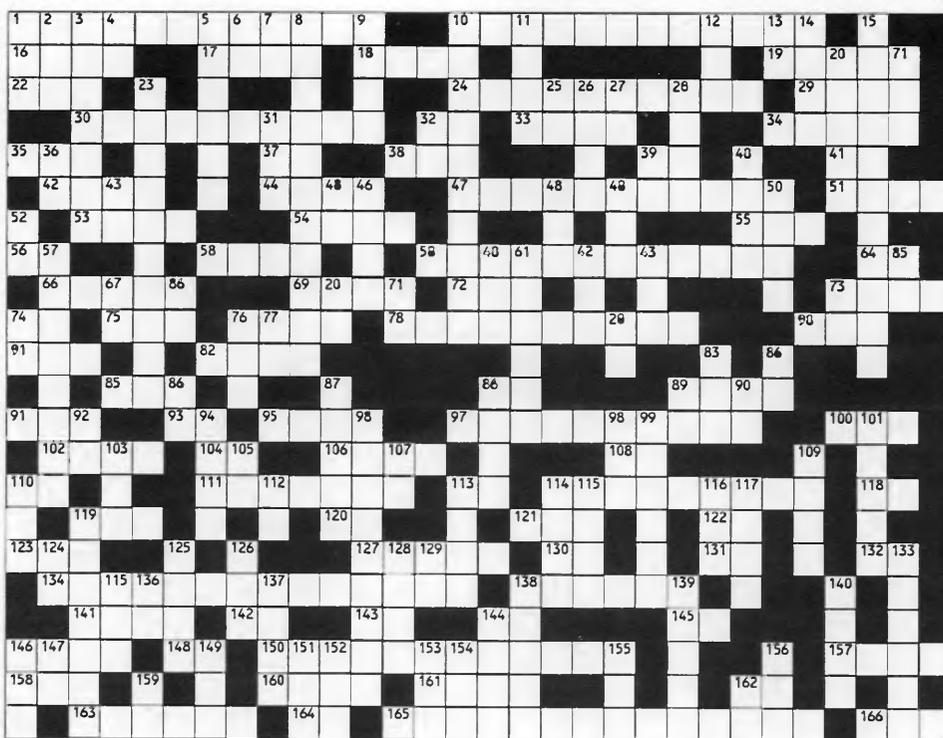
# Rural Electric News Service

## CROSSWIRES

By Judith M. Smith

### ACROSS

1. Very bright
10. To reform
16. Music group from the 1960s
17. Gas used in lighting
18. Andy Taylor's son
19. Beneath
22. Measures resistance to current flow
24. Internal heat of the earth
29. Ireland
30. Output
32. Symbol for copper
33. Troubles
34. Selfishness
35. Abbr.: standing room only
37. Arkansas
38. Lubricant
39. Symbol for gold
41. Abbr.: gigacycle
42. Not new
44. Aim
47. Hard coal
51. Deserve
53. Not false
54. Used with a hammer
55. These are made of aluminum
56. New Mexico
58. \_\_\_ and proper
59. Saving our resources
64. Symbol for tellurium
66. Our planet
69. Garden of \_\_\_
72. Decay
73. 1/1000 of a dollar
74. Abbr.: attorney general
75. You find this at the end of your foot
76. River \_\_\_
78. Mete
80. Charged particle
81. Abbr.: Laboratory
82. Used to catch fish
85. Residue of cigarettes
88. Not them
89. Latin: journey
91. Abbr.: journey
93. Abbr.: Associated Press
95. Opposite of To
97. Mineral coal
100. Goes with neither
102. Hours, minutes, seconds
104. Another name for a record
106. To be obliged or compelled
108. Massachusetts
110. Abbr.: right
111. Surrounding
113. Maine
114. Across the state
118. Short for advertisement
119. Opposite of beginning



120. Short for Diana
121. Bind
122. Preposition
123. Something shaped like a bow
127. Coronet
130. Abbr.: district attorney
131. Latin: thing
132. Not PM
134. Exchange of messages
138. Part of a group
141. Italian currency
142. Symbol for thorium
143. Pennsylvania
144. Abbr.: physical education
145. Wizard of \_\_\_
146. Swimming \_\_\_
148. Louisiana
150. Group
157. \_\_\_ and Crafts
158. Centimeter-gram-second unit of energy
160. Rind
161. Pleasant
162. Abbr.: transmit-receive
163. Annual
164. Abbr.: doctor
165. Connected one to the other
166. Request

### DOWN

1. What you say at weddings
2. Abbr.: National Institutes of Health
3. Mixture of decaying matter

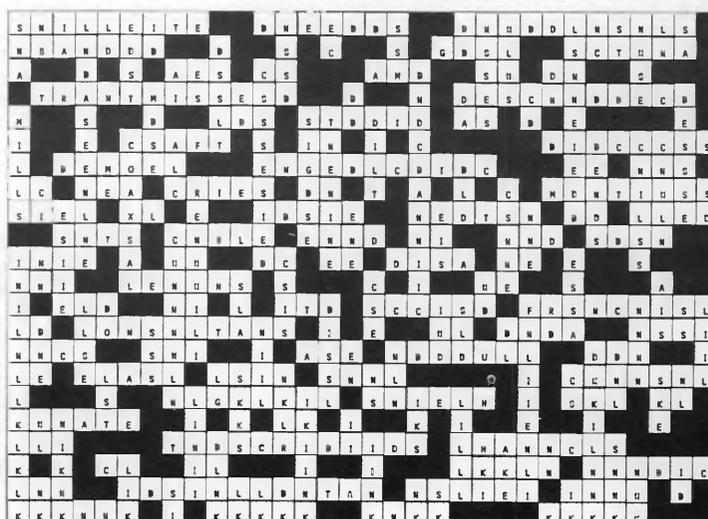
4. Article
5. Guarantee
6. Abbr.: Southeast
7. Abbr.: company
8. Surroundings
9. Ripped
10. Controls electric current
11. Increase in size
12. \_\_\_ La La
13. Biblical abbr.: Obadiah
14. Poetic: Never
15. Predicting
20. A loyal subject
21. Marry
23. Substance that conducts charge
25. Toward
26. Listen
27. Suffix used after -s, -ch, -x
28. Island in Hawaii
31. Name \_\_\_
32. Roman numeral for 101
36. Symbol for ruthenium
39. Alternating Current
40. Prefix meaning one trillionth
43. Abbr.: emergency room
45. Abbr.: Alcoholics Anonymous
46. Opposite of dead
48. Hurry
49. Abbr.: all-terrain vehicle
50. Sugar comes from this
52. Tennessee
57. One million watts
60. In no way
61. Road
62. Massage

63. Abbr.: alternator
65. Nickname for elevated train
67. Abbr.: right
68. Not she
70. Denmark
71. North Dakota
73. Missouri
74. Man's name
76. To prohibit
77. Three-toed sloth
79. Abbr.: Uganda
83. Short for Stuart
84. Puerto Rico
86. Sound of laughter
87. Covered with a hemispheric roof

88. Live \_\_\_
89. Goddess of fertility
90. Suffix used after -s, -ch, -x
92. Symbol for element Nickel
94. Schedule
96. Having local self-government
98. (Two words) "\_\_\_ Little Teacup..."
99. Being by birth or origin
101. City in Nebraska
103. Not woman

105. Not AM
107. Abbr.: saint
109. Short for gentleman
110. Abbr.: Recommended Daily Allowance
112. Stands for "Before Christ"
113. A small street
114. A surface of an object
115. An organized group
116. Battle
117. Thing
119. Rel. of organisms and environment
124. Abbr.: Roman Catholic
125. Twofold
126. Small amount
128. A horse
129. Not off
133. Openings
135. One cubic centimeter
136. Not Mrs.
137. To cut, as in meat
138. Measuring device
139. To arouse from sleep
140. Top
144. Stride
146. A tapered pin, usually of wood
147. Abbr.: operating room
149. Pointed object used for making holes
151. Color on a stoplight
152. Abbr.: Germany
153. Hotel or motel
154. Pimple
155. Prefix meaning not
156. Anger
159. Sun god
162. Initials for Tina Turner

### Last Month's Puzzle Solution



# BRIEFLY

News items of interest to members of Illinois electric cooperatives

## **Craig DeBower is new manager at Coles-Moultrie Electric**



DeBower

Craig DeBower is the new general manager of Coles-Moultrie Electric Cooperative, Mattoon. DeBower's most recent position was as a management advisor in the National Rural Electric Cooperative Association's rural electrification program in Bangladesh. Prior to his assignment in Bangladesh, he served 10 years as general manager of Southeast Iowa Cooperative Electric Association, Mt. Pleasant, Iowa. Earlier he served as general manager for York County Public Power District in York, Nebraska, for two years. DeBower and his wife, Bea, who is an Illinois native, have a son, 14 and a daughter who attends college in Tulsa, Oklahoma. They had spent about one year in Bangladesh before being forced to leave because of concerns about terrorism during the Persian Gulf War.

## **Electric 'Smart House' tours**

What is touted as the nation's first demonstration model Electric "Smart House," built to show the benefits of advanced electrical technology, is open for tours in Stone Mountain, Georgia, through the end of July. Innovations include an electronic system, controlled by video touch screens that enable the homeowner to regulate lighting, temperature settings, appliances, audio/video entertainment, security and energy management, all in one place. The "Smart House" cabling system facilitates whole-house automation and eliminated the dedicated "spaghetti" wiring which dominates much of today's house construction. The system uses three hybrid cables that distribute telephone and communications signals, electric power and control communications to the appropriate sources. The Electric "Smart House" also features a variety of innovations in energy efficiency. It is a project of Georgia Power Company, Oglethorpe Power Corporation and the Electric Cooperatives of Georgia, the Greater Atlanta Home Builders Association and the "Smart House" Limited Partnership. Free tours will be conducted Tuesday through Friday from 11 a.m. to 5 p.m. and Saturday and Sunday from 1 to 5 p.m. through July 31.

## **First SIPC Electrical Engineering Scholarship awarded by SIU**

Michael L. Logeman of Metropolis, son of Truman and Liz Logeman, and a graduate of Massac County High School, was named recipient of the first \$1,000 Southern Illinois Power Co-operative Scholarship awarded by S.I.U. The award was made during Southern Illinois University at Carbondale's Honors Day ceremonies on Sunday, April 7. The scholarship is co-sponsored by Southern Illinois Electric Cooperative in Dongola, Southeastern Illinois Electric Cooperative in Eldorado, Egyptian Electric Cooperative in Steeleville, and the Southern Illinois Power Co-operative in Marion. The recipient must be a graduate of a southern Illinois high school located south of Interstate 64, who has a special interest in electric power generation and transmission. Preference is given to those applicants whose families are served by one of the electric cooperatives sponsoring the scholarship. Logeman received additional recognition when he was named winner of the 1991 Herman Stoeber Award, given annually to the top senior engineering student at SIUC.

## **Electric co-op sales grow slowly**

Rural electric cooperatives continued a 10-year trend of slow, steady growth last year, according to an annual survey produced by the National Rural Electric Cooperative Association (NRECA). Nearly 600 co-ops surveyed reported modest increases in consumers served and kilowatt-hours sold, while revenues remained unchanged on a national basis. Growth figures have remained stable for more than a decade, according to Mike Ganley, NRECA economic and policy analyst. For example, he says, last year's 2.3 percent increase in consumers served tracks the 2.2 percent increase from 1979 to 1989. "We certainly haven't learned to like it," Ganley says. "We may be learning to live with it. Margins climbed by more than 15 percent last year, the survey showed, but Ganley says the increase offset the previous year's steep decline.



# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

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## Efficiency means changing how we use energy

In the mid-1980s, two electricity suppliers in the Pacific Northwest took what looks at first glance like a business U-turn: they paid for customers to buy less.

For five years, beginning in 1983, the two utilities concentrated on cutting the electric heat used by consumers in Oregon's Hood River County. Bonneville Power Administration (BPA), a federal power agency, and the investor-owned Pacific Power & Light spent \$20 million and lots of staff time promoting an aggressive weatherization campaign. They paid for weatherstripping, insulation, storm windows and caulking. They sent workers door to door trying to increase participation. They hired a sociologist to figure out how to get proud residents to take part in the giveaways.

Ordinary salespeople may shake their heads at a company going out of its way to cut sales, but energy isn't an ordinary market.

In using energy—to transport goods and people, power factories or heat and light buildings—a British thermal unit (Btu) saved is more than a Btu earned. Each such unit of heat conserved may save a scarce or costly or non-renewable energy source for a moment more. Or it can be put to use someplace else, thus doing the work of two or more. And while that unit is not being used, a little less coal smoke or tailpipe exhaust enters the atmosphere.

"Efficiency is something everyone wants to have," says Tim Yau of the Electric Power Research Institute (EPRI), a nonprofit electric utility research organization. "Different

people want efficiency for different reasons. Some want it for the economy, others for the environment. But it turns out that efficiency can do something for everybody. It's a win-win situation."

Top officials of the U. S. Energy Department came to the same conclusion last spring after compiling thousands of pages of testimony from energy experts all over the country as part of the government's efforts to devise a national energy strategy.

"The loudest single message" from most of those experts, Energy Secretary James Watkins said, was that the nation can "increase energy efficiency in every sector of use."

But making energy conservation

and efficiency really pay isn't as simple as turning down thermostats, driving slower or just doing with less. It means some basic changes in the way we use energy—and as Oregon's Hood River project showed, even simple changes can be hard to sell.

"Just paying for 100 percent of the measures doesn't mean you're going to get 100 percent participation," a BPA manager concluded two years after the promotion began. "You've got to sell it to people, even when it's free. Just stand in an airport lobby and try to hand out \$50 bills. You'd be surprised at how many people walk by."

The Hood River findings were impressive: The average home

### **Some conservation terms**

**Conservation**—the careful use of resources, making sure any expenditure is justified. This may mean sacrificing convenience, comfort, control or economy to save some resources. (See Efficiency.)

**Demand-side management**—a utility program aimed at reducing consumer use of energy through conservation or efficiency techniques. For example, an electric cooperative could automatically shut down water heaters or air conditioners in its consumers' homes when systemwide demand is high, thus reducing pressure on power plants.

**Efficiency**—making maximum use of a resource. This implies less sacrifice than conservation, but stresses getting the most benefit out of each unit of a resource used.

**Externalities**—the "hidden costs" of an energy source, or costs not covered in the price of the fuel. For example, some say the externalities of coal may include the government's expense for clean coal programs or the cost of replanting forests hurt by acid rain. Externalities of petroleum could include the cost of military protection of a threatened Middle Eastern country.

**Least-cost planning**—efforts by utilities and regulators to lower environmental costs by using other companies' power plants, making maximum use of transmission systems, developing conservation programs or other methods.

with electric heat could save 2,600 kilowatt-hours a year just by sealing up more tightly. Based on the average electric bill, an energy saving like that amounts to almost \$200 a year.

Still, 15 percent, or one in seven homeowners refused to sign up for the program despite its free energy audits, free weatherization work and free reductions in their power bills.

The story spotlights both halves of an energy equation that was jerked back into U.S. policy debates last summer by the Persian Gulf crisis. When Saddam Hussein annexed Kuwait, putting a sharp new pressure on world oil supplies and touching off a scramble for alternative energy sources, he reminded Americans that energy isn't always cheap—and he got them thinking about conservation and efficiency again.

World events thus joined with environmental concerns to underscore the first half of an ageless energy equation: Conservation and efficiency measures can help the United States reap an energy bounty.

But the other side of the equation complicates that simple statement. In real life, conservation and efficiency only go so far. As the Hood River study showed, even the simplest and most sensible saving programs will be rejected by some.

A spring article in the EPRI Jour-

nal painted a glowing picture of the advantages and savings that could be realized if, in effect, the nation weatherized its entire electric system. But it also found lots of potential holdouts, for a variety of reasons.

The article detailed studies concluding that the nation could cut by up to 46 percent the amount of electricity expected to be used in homes in the year 2000 if all consumers made maximum use of every new efficiency measure likely to become available in the decade.

But that means much more than tighter houses. It would require the absolute latest in efficient (and expensive) light bulbs, brand new refrigerator and freezers, installation of heat pumps and widespread use of demandside management techniques, which let utilities control major household appliances such as water heaters or air conditioners to slice power needs at critical times. Such steps go far beyond the basic weatherizing techniques one in seven Hood River County residents rejected a few years ago.

For reasons of comfort, cost, convenience or control, many consumers are likely to stop well short of that level of commitment to conservation.

The same goes, too, for the other major sections of energy use. About a third of the energy we use goes to move people and goods around,

making the transportation sector ripe for conserving. But from more aerodynamic designs to lighter car bodies, the easy steps have mostly been taken.

Washington failed in the fall to set new minimum mileage requirements for new cars, and the logical next steps—ranging from better roads and bridges to strong incentives for mass transit—mean heavy investment and sacrifice.

Manufacturing and industrial processes make up the third leg of the energy-use triad, and here again conservation would pay—but only after a hefty down payment. Replacing the millions of motors currently in use with new models that can adjust their energy use to the demands of the job would save plenty of power, but the cost of replacements is high. Some smelting and forging processes could be done more efficiently, and with higher quality, if they shifted from burning coal or oil to using electricity, but here again a massive changeover cost (along with a frightening potential cost in lost jobs) makes the change difficult.

All this is not to say that conservation and efficiency won't work. Far from it: In an energy budget as large as ours, there's plenty of room for belt-tightening in ways that will let us cut use while hardly feeling the pinch.

But as with most good ideas, it isn't the whole answer.

## Board meeting report

### Minutes of trustees meeting of May 21, 1991.

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the April 15, 1991.

**Accepted** 18 new memberships in cooperative.

**Cancelled** 8 memberships no longer receiving service.

**Reviewed and approved** the check disbursement list for the month of April 1991.

**Approved** work orders for the month of April 1991 totaling \$9,092.00 and authorized submission to REA for reimbursement.

**Reviewed and approved** manager's financial, maintenance and outage reports for the month of April 1991.

**Heard** reports of recent AIEC and Soyland board meetings.

**Heard** a report from the cooperative attorney concerning recent legislative and judicial activities affecting the Cooperative.

**Heard** a presentation from Doug McGee from Federated Insurance Co. on director and officer liability insurance.

**Approved** as amended policy bulletins 100-1, 100-4 and 100-7.

**Reviewed** and discussed a con-

sumer billing question.

**Authorized** manager to refund capital credits to estate of deceased member John C. Eagleton to comply with cooperative's policies for early retirement to deceased members.

**Approved** contributions to the American Heart Association and the March of Dimes.

**Authorized** manager to proceed with repairs to the office building and parking lot.

**Held** a discussion on annual meeting plans.

**Adjournment.**

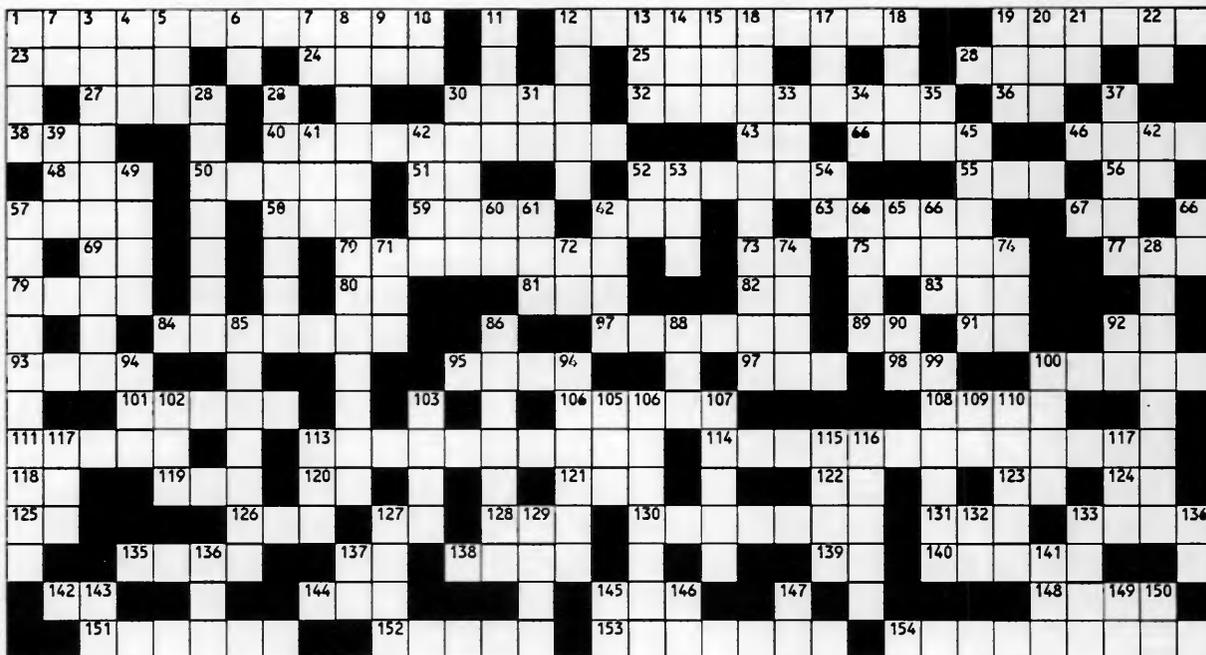
# Rural Electric News Service

## CROSSWIRES

By Judith M. Smith

**ACROSS**

1. Farming as a business
12. Power exerted by a horse in pulling
19. A formal claim
23. Lawn coverage
24. Other
25. Type of market on Wall Street
26. Song performed by two
27. Mouse \_\_\_\_
30. Type of bean
32. Break in continuity
36. Not off
38. A type of bread
40. These keep temperatures uniform
43. Symbol for iron
44. A tax levy
46. Opposite of bought
48. Abbr.: Environmental Protection Agency
50. TV personality Bob \_\_\_\_
51. Symbol for astatine
52. Useful or valuable qualities



55. Tennessee Valley Authority
56. Ultraviolet
57. Residue from coal combustion
58. Used with neither
59. Trade for profit
62. Not in
63. More than cute
67. Symbol for einsteinium
69. The (archaic)
70. Excessive amount
73. Abbr.: editor
75. Latin: law
77. Spanish word for "uncle"
79. \_\_\_\_ Piper
80. Abbr.: chemical engineer
81. Graduate Record Exam
82. Symbol for nickel
83. Abbr.: Ground Control Approach
84. Income from expenses
87. To join at the ends
89. Abbr.: audio-visual
91. Initials for Tina Turner
92. Abbr.: Cape Verde
93. Chance
95. Opposite of enter
97. Et cetera
98. A movie rating
100. Set again
101. Fungus; source of lysergic acid
104. Regional speech or dialect
108. Italian currency
111. A wave or ground swell
113. One who served an apprenticeship in a trade
114. Magnet composed of electricity
118. Saint

119. Payable immediately
120. Article
121. Short for Ensign
122. Latin abbr.: in the meantime
123. Latin: That is
124. Therefore
125. Old English
126. Viet \_\_\_\_
127. Stands for township
128. Not Ma'am
130. Establishing cost for goods
131. Pointed tool
133. Peon
135. Price
137. Abbr.: Alcoholics Anonymous
138. Clutter
139. Abbr.: electrical engineer
140. Fabric used in hosiery
142. Not AM
144. Stands for plural
145. The process of doing something
148. Retain
151. To change as to match or fit
152. Triggers a mechanism, such as a switch
153. Public service, such as gas
154. Not shared with others

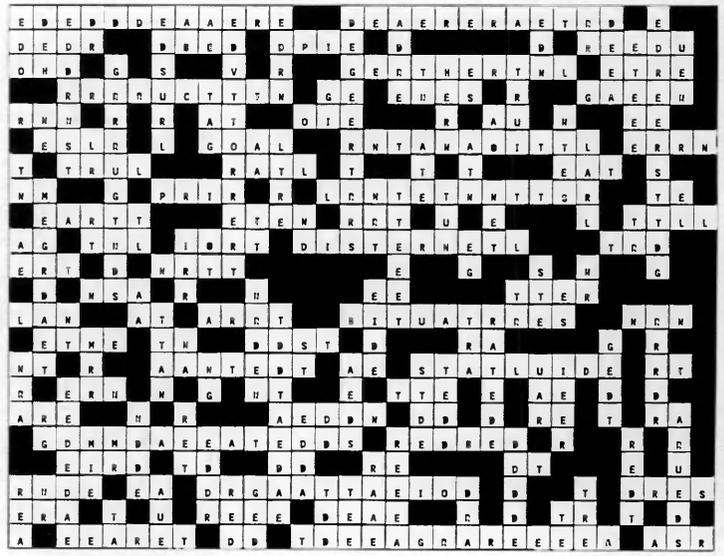
8. To kill with electricity
9. Abbr.: Secret Service
10. Abbr.: Southeast
11. Individual group
12. Very old, ancient
13. Baseball: Run Batted In
14. Chinese currency
15. To consume
16. The exercise of choice
17. A state of armed conflict
18. Mature
19. Twosome
20. Even (poetic)
21. Montana
22. New York
28. Not active
29. Low grade coal
30. Not sooner
31. Missouri
33. Abbr.: retired
34. Abbr.: upper case
35. Stands for physics term: tensile strength
37. A tilting match
39. Abbr.: yellow
41. Prefix meaning new
42. Foundation
45. Not lenient
47. Abbr. for the Biblical book Leviticus
49. Grown older
52. Symbol for gold
53. Abbr.: sterling
54. South Carolina
57. Something that subdues
60. Abbr.: lines
61. Trunk of fallen or felled tree
62. A lyrical poem
64. A bone in the arm
65. Symbol for

- tellurium
66. Chickens hatch from these
68. Abbr.: Post Office
71. The letter "V"
72. Arkansas
74. Regulated food selection
76. What one does for a painting, past tense
78. Commits money to business venture
85. Showing intense emotional force
86. Not revenue
88. Astrology: the lion
90. Vice-President
92. Abbr.: case

94. A small barrel
96. Clocks in sporting events
99. Spherical
100. Anger
102. Color
103. Support
105. \_\_\_\_ Quayle
106. Look over
107. Earn
109. Abbr.: intramuscular
110. Trains use these
112. Indian tribe found in Utah, Colorado and New Mexico
113. Jelly
115. Sugar is made from this

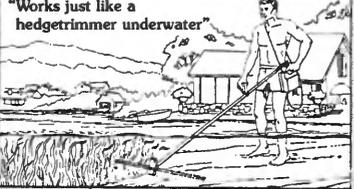
116. Large feline
117. Abbr.: east south east
127. Pulled tight
129. Goddess of fertility
132. Wisconsin
133. The Seven \_\_\_\_
134. \_\_\_\_ La La
136. Abbr.: southern
137. Alabama
141. Acronym for Louisiana State Univ.
143. Maine
145. Symbol for gold
146. Symbol for titanium
147. Abbr.: part
149. Roman numeral for 6
150. Abbr.: electron volt

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Yes! Please rush me my "Masterpiece Reproduction" watch.

Please send me \_\_\_ (Qty) Men's watches and \_\_\_ (Qty) Ladies watches at only \$20.00 each plus \$2.95 shipping and handling for each watch ordered.

**His & Her SPECIAL!** Two or more watches only \$20.00 each and we pay all the shipping and handling!

Enclosed is \$\_\_\_\_\_ FL & MI residents add sales tax.

Charge it:  Visa  MC  Amex  Discover Exp. Date \_\_\_/\_\_\_/\_\_\_

Card # \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

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

© 1991 Discount Depot



# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## If it blinks—it's working

Clay Electric Cooperative is served by a complex system of electric distribution lines subject to many possible occurrences that cause momentary outages or "blinks."

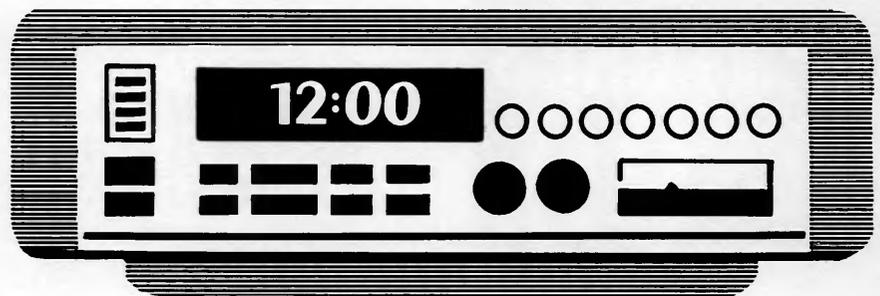
Blinks in your electric service are usually an indication that something has come in contact with the electric lines. Usually these problems can be traced to tree limbs, squirrels, birds, lightning and even cattle or horses rubbing against the guy wires. When the electric line senses a problem, the breaker (which is located on the power line) goes into operation. The breaker will shut the line off for just an instant so the line may clear itself. If it doesn't clear the first time, it may blink two or three times before it shuts the whole line off. Then, the cooperative line crews will be dispatched to clear the line. Were it not for these breakers out on the lines doing their jobs, lines and substations could be destroyed, causing many consumers to be without power. We realize these

blinks are a nuisance to our members because of the need to reset digital clocks and VCRs, etc. However, these blinks are a blessing in disguise. If it were not for the oil-filled reclosers (automatic circuit closers that reset after the blink), each of these instances may have been a long outage. Clay Electric regrets these inconveniences, but is pleased that not all "blinks" were lengthy outages.

Electronic equipment such as

utilities experience these brief outages, and these appliances are the biggest "tattletales" for electric utilities. In most cases, if it were not for the clocks you would never know the power had "flickered" or gone off for a short time.

We have no control over squirrels, birds, lightning, cattle and horses, but we can have some control over trees and tree limbs. If you see limbs on the main lines, please contact us—we'll be out to cut the



microwave ovens, digital clocks, VCRs and computers are so sensitive that the slightest blink may cause interruptions. All electric

limbs out of the lines.

Remember—the next time you see your lights blink, you know the system is working right!!

## Ticks: Take precautions

Summer is here, and ticks, those obnoxious, eight-legged little blood-suckers, have made their annual appearance in force. For most people, ticks are just a minor inconvenience. But a tiny number of Illinoisans contract serious diseases from tick bites each year, and suffer debilitating symptoms or even death if their maladies go untreated.

Rocky Mountain spotted fever, tularemia and lyme disease all are life-threatening ailments transmitted by tick bites. There are measures you can take to avoid contracting these diseases, and a little knowledge about their symptoms can save victims weeks or months of lingering misery.

According to doctors, there is just one way to get Rocky Mountain

spotted fever and lyme disease—from a tick bite. In contrast, tularemia can be contracted by tick bites, by drinking contaminated water, by handling the bodies of infected animals or by eating the flesh of infected animals, most commonly rabbits.

Vaccines are not available for any of the three diseases, so it's important to recognize the symptoms and

get treatment quickly. Early symptoms of all three include fever, headache, chills, muscle and joint aches and fatigue.

With Rocky Mountain spotted fever, a rash usually develops on the third or fourth day of illness, beginning with the wrists and ankles. With lyme disease there is usually a spreading rash around the site of the tick bite.

There is never a rash with tularemia. When tularemia is caused by a tick bite, there usually is swelling in the armpit, neck or groin, whichever is nearest the site of the bite.

One of the best preventive measure is to avoid tick bites by wearing long-sleeved shirts in the

woods, and keeping pants tucked into boots and shirts buttoned and tucked into pants. It also helps to wear a hat.

Besides that, you can decrease your chances of tick bite by using insect repellents with high concentrations of the chemical "DEET."

In spite of these precautions, a few ticks may find their way onto your person. Check thoroughly for ticks after outings, paying particular attention to wrists, ankles, waist, groin, armpits and the head.

If you find a tick that is already attached, don't panic. It usually requires a day or two for a tick to transmit the diseases mentioned, and prompt removal is a good

preventative measure. But take care how you remove the tick.

Don't apply heat to the tick or expect to make it back out by covering it with lighter fluid or some other chemical. The best way to remove a tick is to grasp it firmly but gently with a pair of tweezers and pulling slowly straight out so the head does not break off in the skin.

Clean the bite with an antiseptic, and if a rash or any of the other symptoms follow the bite, get medical attention immediately.

And remember, your chances of getting any of these maladies is very small.

# 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.

Where the energy efficiency rating of this particular model falls in comparison to comparable models.

This chart allows you to more closely pinpoint your costs based on your local electrical rate. It's important to determine your local rate (cost per kilowatt-hour) before going shopping. This can be found on your monthly bill.

Room Air Conditioner  
Capacity: 9500 BTU/hr

(Name of Corporation)  
Model(s) X X X X X X

# ENERGYGUIDE

Models with 5000 to 9750 BTU's cool

The energy efficiency rating (EER).

Least efficient model 5.7

Most efficient model 10.2

**9.1**

THIS MODEL

Estimated yearly energy cost

Your cost will vary depending on your local energy rate and how you use the product.

How much will this model cost you to run yearly?

Yearly cost	
Estimated yearly energy cost	
Cost per kilowatt hour	2c \$2.70
	4c \$5.40
	6c \$8.10
	8c \$10.80
	10c \$13.50
	12c \$16.20

Ask your salesperson or local utility for the energy rate (cost per kilowatt hour) in your area

**Important** Removal of this label before consumer purchase is a violation of Federal Law (42 U.S.C. 6302)



Wilson's collection includes a variety of multicolored rock slices and crystal formations, as well as a godly number of spheres. The onyx elephant was purchased at a show.

# Rockhound

## Non-paying job spawns lifetime hobbies



Wilson shows off one of his five rock saws. He is working on a sixth.

Bob Wilson has a couple of hobbies, and one sparked the other, as often happens. He collects Indian artifacts—mostly arrowheads and the like—and rocks.

"I got into collecting arrowheads in an unusual way," the rural Benton resident and member of Southeastern Illinois Electric Cooperative says. "I was raised in an orphanage," he explains, "and one day a nearby farmer came over looking for a boy to work in the hay, and we

division has sent advisers to Bangladesh since 1976. The campaign's goal is to have 65 rural electric co-ops operating by 2002; to date, 44 have been organized and 39 energized.

## Power museum to open in Iowa

One of the first power plants financed by the government's Rural Electrification Administration will soon become a one-of-a-kind museum of rural electrification. The Reeve diesel generating plant, formerly owned by Corn Belt Power Cooperative of Iowa, will document farm life before the lights came on, as well as display some of the early electric appliances used in the Midwest. The Reeve plant, which went on line March 15, 1938, provided power to what was then Federated Cooperative Power Association. Federated later merged with Central Electric Federated Cooperative Association to form Corn Belt Power. A group of volunteers from the Franklin County Historical Society, using grants and donations from Corn Belt and six other cooperatives, installed a new roof, replaced broken window panes, cleaned and painted the interior and made electrical and plumbing repairs.

Each time you use a detergent, bleach, disinfectant or other household cleaner, it destroys necessary bacteria in your septic system. See the Dr. Drain septic tank and lateral line cleaner ad in this issue. Available at Wal-Mart.

## DENTURES

ONE DAY SERVICE  
APPOINTMENT HIGHLY ADVISED

\$ **99**

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ADA APPROVED MATERIALS

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OTHER SERVICES AVAILABLE  
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MONDAY thru FRIDAY

ABC DENTAL, CARMIL



DISCOUNT DEPOT

AUTHORIZED LIQUIDATION

# WEAR THE WATCH THAT'S WORTHY OF A "PRESIDENT"!

Nationally Famous  
Masterpiece Reproductions  
of the world-renowned  
**DIAMOND 18K GOLD ROLEX PRESIDENT WATCH**  
for Men... and Ladies!

- TWO TONE-ONE MICRON OF GOLD FINISH!
- DAZZLING GENUINE DIAMOND! • PRECISION QUARTZ MOVEMENT! • DAY AND DATE!
- CONCEALED CLASP! • FAMOUS INTERLOCK BAND!

And you thought you would never have the luxury of Wearing a "ROLEX". WELL YOU WERE WRONG — NOW YOU CAN EVEN AFFORD A MATCHING PAIR!

DISCOUNT DEPOT DOES IT AGAIN! Now we bring you the "hottest" affordable watch in the nation — the startling exact reproduction of the diamond-studded ROLEX PRESIDENT WATCH — for only \$20 each while supplies last!

We stake our reputation on bringing you fantastic values — and this is no exception! We purchased the entire manufacturer's overrun to bring you these watches at the lowest price in America!

Wear your ROLEX REPRODUCTION to work or business meetings and guarantee yourself the look of success. Wear it at parties and special events to catch the eye of envious admirers. And wear your watch daily without ever worrying about extra insurance costs. After all, this "ROLEX" costs you only \$20... not thousands.

**ORDER NOW IN MEN'S AND LADIES VERSION!** You must act quickly because we now have in our warehouse LESS than 50,000 of each watch

(both watches are exactly similar — except for the size — the ladies' version is more petite and does not have day feature). At this incredibly LOW DISCOUNT DEPOT PRICE, treat you or a loved one to a matching pair — or order plenty of extras for gifts... AND SAVE! Your satisfaction is guaranteed for 5 years so you have nothing to lose! Avoid disappointment — ORDER NOW!

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at \$99.95  
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**DISCOUNT DEPOT PRICE \$20**  
(While Supplies Last)  
ABSOLUTELY NO DEALERS



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Please send me \_\_\_\_\_ (Qty) Men's watches and \_\_\_\_\_ (Qty) Ladies watches at only \$20.00 each plus \$2.95 shipping and handling for each watch ordered.

**His & Her SPECIAL!** Two or more watches only \$20.00 each and we pay all the shipping and handling!

Enclosed is \$\_\_\_\_\_ FL & MI residents add sales tax.

Charge it:  Visa  MC  Amex  Discover Exp. Date \_\_\_\_\_

Card # \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

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

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# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## *Board meeting report*

### **Minutes of trustees meeting of June 17, 1991.**

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the May 21, 1991, regular meeting.

**Accepted** 16 new memberships into cooperative.

**Cancelled** 10 memberships no longer receiving service.

**Reviewed and approved** the check disbursement list for the month of May, 1991.

**Approved** work orders for the month of May 1991, totalling \$28,496.40 and authorized submission to REA for reimbursement.

**Reviewed and accepted** manager's financial, maintenance and

outage report for the month of May 1991.

**Heard** a report from the cooperative attorney concerning recent legislative and judicial activities affecting the Cooperative.

**Approved** the purchase of directors and officers liability insurance, with back coverage and also approved purchase of fiduciary and fidelity insurance with Federated Insurance.

**Reviewed** policy no. 100-3 and decided no change was necessary.

**Approved** as amended policy no. 800-1.

**Authorized** manager to refund deposits totalling \$695.00 to various members in accordance with cooperative policies regarding service

deposits.

**Authorized** manager to refund capital credits to estates of deceased members William McGrew and Burl and Katie Harrell to comply with cooperative's policies for early retirement to deceased members.

**Appointed** as members of Nominating Committees members from District I, VI and VIII to nominate candidates for those districts for election to the board of trustees at the annual meeting.

**Reviewed and approved** the bid of Mike's Custom Catering to provide the meal at the annual meeting.

**Authorized** manager to purchase 4-H trophies for the Clay County Fair.

**Adjournment.**

### **Minutes of trustees meeting of July 15, 1991.**

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the June 17, 1991, regular meeting.

**Accepted** 16 new memberships into cooperative.

**Cancelled** 13 memberships no longer receiving service.

**Reviewed and approved** the check disbursement list for the month of June 1991.

**Approved** work orders for the month of May 1991, totalling \$781.71 and authorized submission to REA for reimbursement.

**Reviewed and accepted** manager's financial, maintenance and outage report for the month of June 1991.

**Heard** a report of recent AIEC board meeting and Soyland board meeting.

**Heard** a report from the cooperative attorney concerning recent

legislative and judicial activities affecting the Cooperative.

**Reviewed and recommended** that amendments to the cooperative bylaws be presented for consideration and approval by the members at the 1991 annual meeting.

**Discussed and approved** as amended policy bulletin 100-5, 100-6 and 300-1.

**Authorized** manager to refund security deposits in accordance with cooperative policy.

**Authorized** manager to refund capital credits to estate of deceased member, Mildred Coleman, to comply with cooperative's policy for early retirement to deceased members.

**Approved** the nominations of Franklin C. Byers as authorized representative and director Edwin T. Henson as alternate representative and director and James E. Campbell as director for the Illinois South Central Power Cooperative.

**Approved** the nomination of Franklin C. Byers as director for the Illinois Statewide Power Cooperative.

**Approved** the nomination of Edwin T. Henson for delegate to the Illinois Statewide Power Cooperative annual meeting.

**Approved** the nomination of H. Clifford Cammon and Edwin T. Henson as director and alternate director of the AIEC.

**Approved** the nomination of Edwin T. Henson and Richard Rudolphi as authorized voting representative and alternate to the AIEC annual meeting.

**Approved** nominees of H. Clifford Cammon and Edwin T. Henson as representative and alternate representative for the 1991 meeting of the Illinois members of NRECA.

**Approved** reports from the nominating committees.

**Adjournment.**

# Clay Electric Cooperative Annual Meeting



*Remember Your Annual Meeting!*



**Thursday, September 5**  
**Charley Brown Memorial Park, Flora**

**Registration begins at 6 p.m.**  
**Evening meal (pork chop sandwich) served beginning at 6 p.m.**

Edgewood Opry will entertain  
during registration and during meeting.

Meeting call to order is 7 p.m.

### Agenda

- |  |   |
|--|---|
| The National Anthem                        | Election of trustees                            |
| Invocation                                 | Old business                                    |
| Reading of notice of meeting<br>of minutes | New business                                    |
| President's report                         | Adjournment                                     |
| Treasurer's report                         | Entertainment<br>(Edgewood Opry will entertain) |
| Manager's report                           | Prize drawing                                   |

**Special feature**  
The "Pedal Power" Demonstration Bicycle  
will be on display during the meeting

# Rural Electric News Service

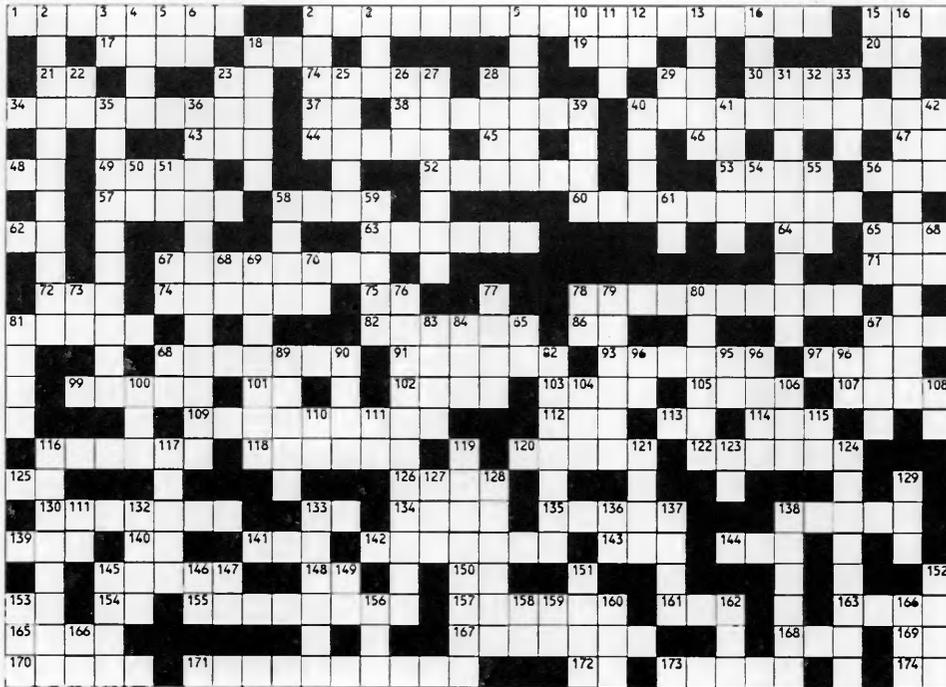
# CROSSWIRES

By Judith M. Smith

#7

**ACROSS**

1. Cutback or reduction in power
7. Communication by electronic transmission of impulses
15. Opposite of fore
17. Price
18. Stands for Environmental Protection Agency
19. Abbr.: Institute for Cancer Research
20. Centiliter
21. Abbr.: queen
23. Symbol for tin
24. To drag
28. Abbr.: barrel
29. Spanish "yes"
30. Dislike
34. Bought
37. Toward
38. Wandering
40. Use
43. Abbr.: east north east
44. Not old
45. Symbol for rhenium
46. What?
47. Sun god
48. Else
49. Not maxi
52. Fused
53. Lubricates
56. \_\_\_ Thumb
57. Impudent
58. Opposite of ins
60. Hard coal
62. Opposite of PM
63. Armies have these "\_\_\_ La La"
65. Disappears when you stand up
67. Protection
71. Short for gross
72. In no way
74. Medicine
75. Movie about extra-terrestrials
78. Having no foundation
81. Without adornment
82. Alternate route
86. To exist in reality
87. Policeman
88. Stranded in shallow water
91. Sycophant
93. Pedestrian
97. Elton \_\_\_
99. Listlessness
101. Prefix meaning not
102. Nuisance
103. Short for alumni
105. The gist of an action
107. President \_\_\_
109. Paper used for smoothing
112. Carpet
113. To perform or execute
114. Appropriate
116. To promote growth
118. One engaged in buying and selling
120. Encouraged



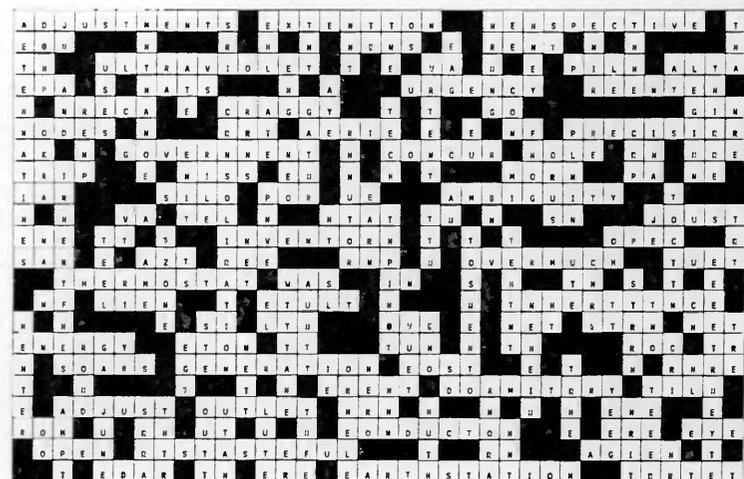
122. Table linen
125. Toward
126. Smallest unit of matter
130. Act of anointing
133. Opposite of PM
134. Ms. Turner
135. Tested
138. To give off light suddenly
139. Conjunction
140. Ultraviolet
141. Abbr.: energy efficiency rating
142. Alfalfa
143. To get older
144. Barbara \_\_\_ Geddes
145. A statement of belief
148. California
150. Symbol for titanium
153. Short for per
154. Article
155. To prepare for a fight
157. One of Queen Elizabeth's sons
161. Packaged set of related materials
163. Musical instrument
165. Device that grinds grain
167. Customary
168. Sounds made by love birds
169. French article
170. Your mother's brother
171. Effectiveness
172. Postscript
173. Shell
174. Alaska

**DOWN**

2. Need
3. Initials for water closet
4. Snack
5. Abbr.: old style
6. Utah
7. Shabby, frayed
8. Meadow
9. Shaped
10. Symbol for nickel
11. Frozen water
12. Costa Rica
13. Threefold
14. Hawaiian island
15. Alternating Current
16. Organic compound dangerous to the environment
18. Opposite of started
22. Abbr.: Uruguay
23. Chinese currency
25. Hens do this
26. Hotel
27. Record
28. Farm animals are kept here
29. Thus
31. One that enlarges or extends
32. Stands for township
33. Et cetera
35. Process of burning
36. One who studies earthquakes
39. Passage at the end of composition bringing it to a close
40. Wagon
41. A large group
42. Viet \_\_\_
50. Abbr.: Irish
51. North America
54. Suffix meaning pertaining to
55. Abbr.: stationary

100. Born
104. Drag
106. Monkey
108. Symbol for Holmium
110. Pennsylvania
111. Abbr.: physical education
115. Abbr.: transmit-receive
116. Spring
117. Artless
119. Pertaining to money
121. Sediment of a liquid
123. Expression of satisfaction
124. Annual
127. Spasmodic contraction
128. A member of an armed force
129. Bashful
131. North Dakota
132. Rotate
133. Extremely cold
136. Iowa
137. To adorn
138. To feather an arrow
145. What you make on a telephone
146. Abbr.: electrical engineer
147. Chemical abbr. for adamsite
149. Preposition meaning at the location
151. Assist
152. To look or peer
153. Abbr.: electromagnetic unit
156. Not the truth
158. Stands for decigram
159. Symbol for Ruthenium
160. Be, past tense
162. 2000 pounds
164. Spanish "hi"
166. Abbr.: lower case

**Last Month's Puzzle Solution**



# Buying, selling or trading?

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

The agriculture-commercial machine built to mow at Homeowner Prices.

- 22-24" cut
- 5-8 HP self propelled

Call or write: Steffen Mfg., Inc.  
RR 1, Fairbury, Ill. 61739  
815-692-2506



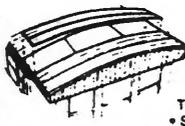
**FREE STUFF**  
**FREE STUFF FROM UNCLE SAM**

Our government hands out billions of \$\$ worth of free stuff, loans, subsidies, scholarships, grants, etc. This book tells you exactly where and how to apply to get your share. Also tells where to buy gov't surplus items (cars, boats, cameras, etc.) for "peanuts". Send \$2.00 plus \$1.00 for shipping to: PABCO, LTD., BOX 3207-D, SO. AMBOY, NJ 08879-3207



Paying too much for Health Insurance? Insurance plans offered through the National Business Association have affordable group rates. For free recorded message call (24 Hrs) 1-800-869-4944.

**ATTENTION MOBILE HOME OWNER!**  
KEMCO ROOF-OVER System is the Ultimate Solution for a Problem Roof!



- REDUCES HEATING & COOLING COSTS.
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- BUILT IN OVERHANG & GUTTERING ELIMINATES WATER STREAKS ON SIDE OF HOME.
- STRONG ENOUGH TO STAND ON.
- NO MORE ROOF COATING YEAR AFTER YEAR.
- QUIET! NO ROOF RUMBLE OR RATTLE
- ELIMINATES CONDENSATION & WATER PROBLEMS

Standing lockseam design on top of 2" polystyrene insulation form the energy efficient KEMCO ROOF-OVER System

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# \$ 99

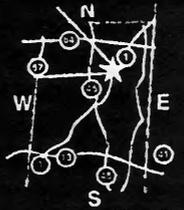
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OTHER SERVICES AVAILABLE  
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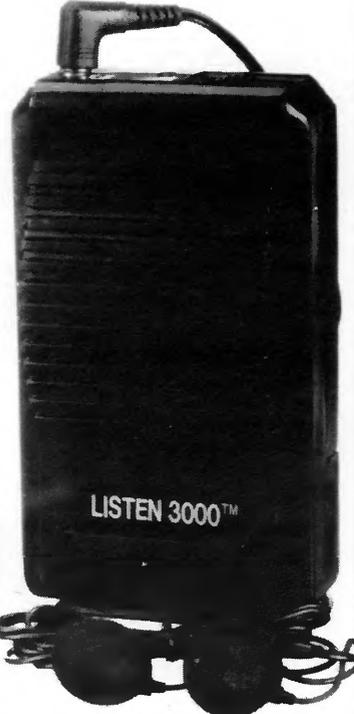

10,000 GUARANTEED AVAILABLE! © 1991 CSI

## GET SUPER HEARING AT A ROCK-BOTTOM PRICE!

# LISTEN 3000™

## \$9.95

JUST



**IT'S LIKE HAVING A NEW PAIR OF EARS!**

**The latest technology — available now!**  
Now you can have hearing like a superperson. The Listen 3000™ is the latest generation of sound interception and amplification technology.

Put the unit in your pocket, place the comfortable cushioned headphones in your ears, and you'll be able to hear conversations, pick voices out of a crowd, listen to the sounds of nature, even hear a coach's instructions to his players. And people will never know! They'll just think you're listening to a personal stereo radio.

This device is not intended for eavesdropping or recording private conversations.

**Perfect for those who have hearing problems!**  
If you've had to stop going to movies, plays or concerts because you barely hear what's going on, just take the Listen 3000™ with you to the theater. Or use it at home to listen to television or the stereo without having to play it so loud that the neighbors complain.

**It's like having a new pair of ears!**  
You'll suddenly hear sounds you've never noticed before. If you're a birdwatcher, you'll be able to listen to their beautiful songs from 100 feet away. If you're a hunter, you'll be able to hear approaching animals and be ready for them.

And it's compact and convenient. It weighs just 3 ounces, so it's small enough to fit in a shirt or blouse pocket without damage (it even has a velcro strip on the back to make sure it doesn't accidentally fall out). Uses one 9-volt battery (not included).

We guarantee to have 10,000 available for those who respond in time, and our full one-year guarantee means you risk nothing, so order now!

**American Pharmacal Sales, Dept. WSA-25**  
36326 US 19 N., Palm Harbor, FL 34684

Yes! Please rush me my Listen 3000™!

One for just \$9.95 plus \$2 postage and handling!  
 Special! Two for just \$18.00 plus \$3 postage and handling!  
Enclosed is \$\_\_\_\_\_ FL & MI res. add sales tax.

**CHARGE IT!**  VISA  MC  AmEx  Discover

Exp. Date \_\_\_\_/\_\_\_\_/\_\_\_\_

Card # \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

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



# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS



Two incumbents and a new director were elected to the board of Clay Electric Co-operative during the cooperative's 47th annual meeting, September 5 at Charley Brown Park, Flora. Manager James Campbell, left, congratulates Frank Czyzewski of Louisville, who is new to the board. Second from right is James R. Burkett of Louisville and at right is Lewis E. Pettit of Flora.

## Your annual report

Members attending the 47th annual meeting of Clay Electric Co-operative elected four directors to its board of directors September 5 at Charley Brown Park, Flora. More than 450 members and guests attended the event.

In the one contested district election, Frank Czyzewski of Louisville defeated Monte Van Dyke, also of Louisville, for a three-year term. Re-elected to the board for three-year terms were James R. Burkett of Louisville and Lewis E. Pettit of Flora.

During the meeting, president Edwin T. Henson presented a plaque to retiring director Carl J. Barnick of Mason, who has served on the board for 36 years.

During his report to the membership, Henson described the efforts undertaken by Clay Electric to pro-

vide reliable electric service. Among the steps taken are an active program of inspecting and replacing utility poles, replacing power lines, and improving and maintaining the cooperative's older substations. Crews have also linked substations with new lines so that if a problem develops at one location, electricity can be re-routed to bypass the trouble site.

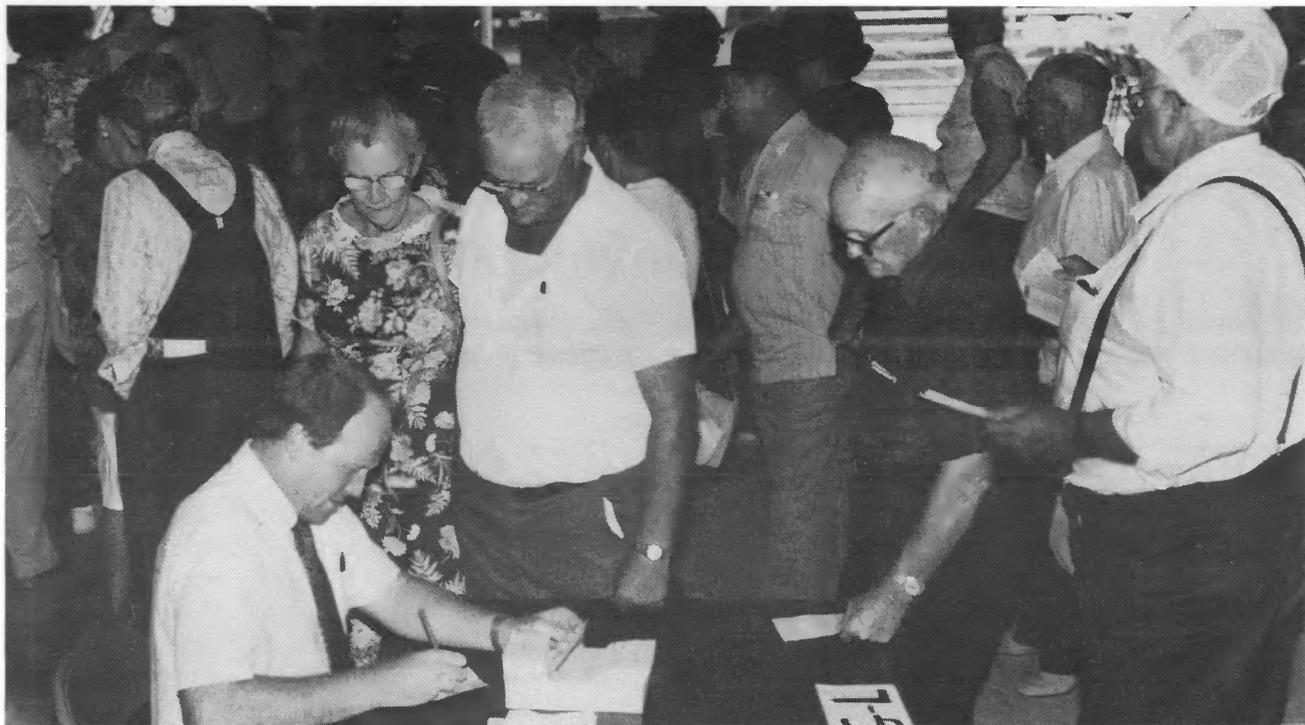
Henson said that a new project of replacing these "tie lines" will be started between Bible Grove and the Sailor Springs substation. Clay has also completed five miles of new three-phase tie line between the Iola and Xenia substations.

"While these programs are not new, more emphasis is being placed on keeping the system as reliable as we can for the benefit of the members. These are ongoing pro-

grams that will continue year after year," the president said.

Also during the meeting, members approved a bylaw amendment providing a method for the cooperative to keep capital credits of patrons who cannot be located for capital credit refunds. The bylaw change reflects a state law passed last year allowing cooperatives to use this money for the benefit of the members, rather than turn it over to the state. Capital credits—a hallmark of the not-for-profit cooperatives—are revenue exceeding the operating expenses of a cooperative.

A new feature at the annual meeting was a "Live Line Demonstration," which showed the reaction of power lines to fallen tree limbs and other electric service hazards.



The large turnout made the registration period a busy time.

## 1991 annual meeting list of prizes for drawing

Grand Prize, G.E. air conditioner	Wanda King	Mister Coffee coffee maker	Faye Bassett
West Bend 12-inch electric skillet	Urban Boone	Osterizer liquifier-blender	Erma Nichols
Rival electric ice cream maker	Lawrence Mitchell	Toastmaster toaster	Lloyd Carder
Procter-Silex steam/dry iron	Aaron Lewis	Toastmaster snackmaster	Cammy Watkins
West Bend hot air corn popper	Paul Schnepfer	Regal coffeemaker	Albert Van Dyke
Sunbeam Mix Master hand mixer	Oral Sly	Hamilton Beach food processor	Linda Pilcher

## Board meeting report

### Minutes of trustees meeting of August 19, 1991.

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the July 15, 1991, regular meeting.

**Accepted** 15 new memberships in cooperative.

**Cancelled** 18 memberships no longer receiving service.

**Heard** a report from Mac Russell of Southern Engineering regarding a load management study. **authorized** Southern Engineering to update the study to include water heaters and air conditioners.

**Reviewed and approved** the check disbursement list for the month of July 1991.

**Approved** work orders for the month of July 1991 totaling \$8,313

and authorized submission to REA for reimbursement.

**Reviewed and accepted** manager's financial, maintenance and outage reports for the month of July 1991.

**Heard** a report of recent Soyland board meetings.

**Heard** a report from the cooperative attorney concerning recent legislative and judicial activities affecting the cooperative.

**Authorized** manager to refund capital credits to the estate of deceased member Gladys Lawson to comply with cooperative's policies for early retirement to deceased members.

**Discussed** the appointment of tellers for the election at the annual meeting to be held September 5, 1991.

**Appointed** H. Clifford Cammon as delegate and James E. Campbell as alternate delegate for the NRECA Region V and CFC Region 5 meetings.

**Reviewed** policy bulletins 400-1, 400-2, 400-4 and 400-5 and resolved that policy bulletins 400-1 and 400-2 be amended.

**Discussed** arrangements for AIEC annual meeting.

**Were advised** that trustee Carl Barnick would be retiring as trustee as of the August 19, 1991, meeting. Mr. Barnick has served on the cooperative board since September of 1955 during which time he has attended all but six meetings. President Henson, on behalf of the board and cooperative, thanked Mr. Barnick for his service.

**Adjournment.**

# I-70 Growth Association

## Electric cooperative a key participant in multi-county development effort

Products with the label "Made in Southwestern Illinois" lining the shelves of stores for Japanese shoppers in Tokyo and Osaka?

That's one avenue of rural development being explored by the I-70 Growth Association—a team of 13 communities whose goal is to attract industry to the area. What role can Japan have in local economic improvement? The country can play a dual role, speakers at an August meeting of the group said. Japanese companies could locate manufacturing facilities in southwestern Illinois, and Japan could become a customer of goods produced in that region.

Guest speakers at the meeting talked about the importance of Japan as a trade partner and about how the group can promote the Interstate 70 corridor as prime territory for development.

"We can help export your products to Japan," said Linda Hasegawa of Japan-U.S. Trans Asso-

traditionally bow low from the waist.

Thayr Richey, also of Japan-U.S. Associates, warned the gathered community leaders that economic development will not happen overnight.

"There are very few secrets in rural development," he said. "Focus on the long-term and hustle. From what I know about this area, I think you have a lot going for you. Don't expect rapid changes, though. Set a five- to ten-year deadline for achievements."

John Hemmer, director and Tokyo manager of the Illinois Department of Commerce and Community Affairs, said international markets are beginning to gain a new image of what Illinois really is.

"It's more than the city of Chicago. It's becoming more recognized by international business as a place to live and a place to do business," Thayr said.

He told the I-70 group to "identify what you are as a community and don't keep it a secret." However, he advised them not to try to be everything to everybody. "Success has come to those who focus on their strengths and promote these."

Thomas H. Moore, general manager of the Association of Illinois Electric Cooperatives (AIEC), commended the members of the I-70 group for their leadership in rural development and outlined ways in which the AIEC can assist their efforts through Southwestern Electric Cooperative. The electric cooperative has helped spearhead this new movement. Soyland Power Cooperative, Southwestern's power supplier, has been an active participant in the formation of the new economic development group.

Gary Wobler, manager of Southwestern Electric, told his audience, "There are three kinds of people. Those who watch it happen, those who make it happen, and those who wonder what happened. Well, we're going to make a difference and make it happen."

Group members toured the participating communities in July, and the association is preparing brochures and a video highlighting what the communities have to offer. Community profiles featuring available sites for new company facilities have been created.

Participating towns are Altamont, St. Elmo, St. Peter, Brownstown, Vandalia, Mulberry Grove, Greenville, Pocahontas, Highland, Smithboro, Troy, Keyesport and Pierron.



**Thomas H. Moore (left) executive vice president and general manager of the Association of Illinois Electric Cooperatives (AIEC), discusses with Gary Wobler, manager of Southwestern Electric Cooperative, ways in which the AIEC can assist the I-70 Growth Association.**

ciates, an Indiana-based consulting firm for American and Japanese companies. "More than 1,000 manufacturing companies from Japan are operating in the United States. You need companies along I-70, not only from Japan, but from Southeast Asia and Europe. I know this community needs new jobs."

Hasegawa stressed the importance of understanding the customs of the American and Japanese cultures. For example, the customary business handshake is new to the Japanese, who

# MISSING



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LAST SEEN: 03/27/91 EYES: Brown  
 FROM: Tyler, TX HEIGHT: 3'  
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If you can identify these or any other missing children, call The National Center for Missing and Exploited Children at:

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## -Safety Tip of the Month-

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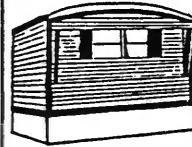
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# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS



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.

All year around, on the farm, in the home, or driving down 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. Clay 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.

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."

## Minutes of trustees meeting of September 16, 1991.

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the August 19, 1991, regular meeting.

**Accepted** 16 new memberships in cooperative.

**Cancelled** 14 memberships no longer receiving service.

**Reviewed and approved** the check disbursement list for the month of August 1991.

**Approved** work orders for the month of July 1991 totaling \$13,733.27 and authorized submission to REA for reimbursement.

**Reviewed and accepted** manager's financial, maintenance and outage reports for the month of August 1991.

**Heard** a report of recent AIEC board meeting.

**Heard** a report of recent Soyland board meeting.

**Heard** a report from the cooperative attorney concerning recent legislative and judicial activities affecting the cooperative.

**Authorized** manager to refund capital credits to the estate of deceased member John Herdes to comply with cooperative's policies for early retirement of capital credits to deceased members.

**Authorized** manager to refund security deposits totalling \$835 to comply with the cooperative's policies on security deposit refunds.

**Approved** a resolution concerning short-term line of credit from CFC.

**Approved** the date of Monday, September 30, 1991, at 7 p.m. for a special meeting to discuss load management program and feasibility.

**Approved** Clay Electric Cooperative's participation in the AIEC continuing education program.

**Reviewed** policy bulletins 200-1 and tabled any further discussion.

**Adjournment.**

## October is National Co-op Month

This month, 100 million members of our nation's 45,000 cooperatives are celebrating National Cooperative Month.

You purchase power from a cooperative. If you are also a member of a credit union or belong to a farm cooperative, you are no doubt familiar with what a cooperative is and how it operates.

However, many people buy products produced by cooperatives or offer support in other ways without even realizing it. If you've ever bought Welch's grape juice, Sunkist oranges, Prairie Farms ice cream or Ocean Spray cranberry juice, your purchase was produced



COOPERATIVES  
MEETING  
PEOPLE'S NEEDS

by a cooperative. If you've ever made a donation to C.A.R.E., your check went to the Cooperative for American Relief Everywhere.

There are many types of cooperatives including telephone, electric, farm marketing and supply, housing, handicraft, insurance, and cable TV; as well as those that

offer financial, funeral, child care, nursery school, and health care services.

Cooperatives are member-owned and operated businesses. They have volunteer boards of directors, elected from the membership, and operate for the benefit of their members.

## Energy efficient light bulbs

When would it pay to buy a light bulb costing \$22 instead of one costing \$.90? When you use it enough for the extra efficiency to be important, and that may be less time than you think, according to Bill Peterson, Extension Ag Engineer at the University of Illinois.

A recent entry into the lighting market is a screw-in fluorescent light using 18 watts that produces just as much light as a 75-watt regular incandescent bulb. While the price is about \$22, the life is 10,000 hours, compared with about 750 hours for the ordinary incandescent bulb. That means you would use 13.3 ordinary 75-watt bulbs (costing \$12) during the lifetime of one fluorescent bulb.

Also, in that time, the electricity to run the 18-watt fluorescent, screw-in bulb (at \$.06 per kwh) will cost

\$10.80 while the electricity to run the 75-watt incandescent bulbs will cost \$45. The cost of bulb and electricity for the 10,000 hours will total about \$33 for the fluorescent bulb and \$57 for the incandescent bulbs.

Another way to compare is to calculate yearly bulb replacement cost, plus energy cost, plus interest on the extra money invested in the fluorescent bulb. Peterson's calculations, assuming bulbs operate two hours per day, show a yearly cost of \$1.58 per year less for the fluorescent light.

If the light is operated only one hour per day, the incandescent bulb is cheaper. But savings increase to \$3.31 per year when the light is operated 10 hours per night.

from the February, 1991, IFEC Quarterly Report.

# October is Energy Awareness Month

## *Do you think you're energy literate?*

Do you know enough about R-values to choose the proper insulation for your attic? Can you tell an appliance store clerk which EER your new refrigerator should have? Are you getting enough Btus from that old window air conditioner?

Memorizing vocabulary lists is for fifth graders, but there are some words electric cooperative members should recognize. How many do you know? Fewer than 20? Get your nose back in that high-school science book. More than 30? Wow! You must have been a studious fifth grader!

**Alternating current:** a flow of electricity through a conductor that continuously reverses its direction. Nearly all electricity generated in the U.S. is alternating current.

**Blackout:** a total power failure over a large area; usually caused by equipment failure.

**Brownout:** a small, temporary voltage reduction; may be brought on deliberately by a utility to conserve electric power during periods of high use.

**Btu:** British thermal unit. The amount of heat needed to raise the temperature of one pound of water by one degree Fahrenheit.

**Circuit breaker:** a switch that opens an electric circuit when a short occurs.

**Conductor:** a material that allows an electric current to pass through it. Also, the wire that carries electricity in an electric distribution or transmission system.

**Conservation:** careful use of resources.

**Current:** a flow of electrically charged particles.

**Direct current:** electricity that flows through a conductor

in a single direction.

**Earth-coupled heat pump:** an efficient electrical device that heats or cools by moving heat into or out of a building. It uses an antifreeze solution or refrigerant in a pipe buried in the ground to collect or disperse heat. Also called geothermal system, ground-source heat pump or water-source heat pump.

**Energy audit:** a study of residential, commercial or industrial buildings to show energy users how to save money by using energy more efficiently.

**Energy efficiency rating (EER):** a measure of how efficiently an appliance uses energy. A higher EER means greater efficiency.

**Fossil fuel:** materials such as coal, oil or natural gas used to produce heat or power. These materials were formed in the ground millions of years ago from plant and animal remains.

**Fuse:** a protective device for electric circuits containing a wire designed to melt and open the circuit under abnormally high electric loads.

**Ground-fault circuit interrupter (GFCI):** a device that instantly breaks the circuit when a short develops. Required for outlets in bathrooms, kitchens, outdoors or wherever electric equipment might come into contact with water.

**Hydroelectric energy:** electricity generated by flowing water.

**Interruptible rate:** a lower rate for customers who let the utility turn off their electricity temporarily during periods of high demand.

**Kilowatt:** the basic unit of

electric demand, equal to 1,000 watts; average household demand is 10 to 20 kilowatts.

**Kilowatt-hour:** a unit of energy or work equal to 1,000 watt-hours. The basic measure of electric energy generation or use. A 100-watt light bulb burning for 10 hours uses one kilowatt-hour.

**Load management:** a program used by an electric utility to control its customers' use of electricity during times when their demand for electricity is high. Can involve reducing voltage or cutting off air conditioners, water heaters or irrigation pumps for short periods by remote control. Electric cooperative members who participate may pay a reduced rate.

**Nuclear fission:** the splitting of an atomic nucleus, resulting in the release of large amounts of energy; the process a nuclear reactor uses to provide heat for electric generation.

**Nuclear power:** electric energy generated using heat produced by an atomic reaction.

**Peak load:** the amount of electric power required by a consumer or a utility during highest demand.

**Power theft:** tampering with a meter to lower electric bills; a dangerous and illegal act.

**Reactor:** a complex machine that heats water to boiling, producing steam to turn a turbine that generates electricity. The heat for boiling the water is produced by the splitting of uranium atoms.

**Electric cooperative:** a consumer-owned business organized to bring central-station electric service to rural people after Congress passed the Rural

Gressette failed to note that big investor-owned utilities like his weren't interested in serving those areas before co-op electric service helped fuel their growth. But he did volunteer that investor-owned and municipal utility rates are often lower than those of the co-ops. Balancing the Chamber's piece, however, were interviews with Bob Bergland, a former Secretary of Agriculture who now heads the National Rural Electric Cooperative Association, and congressional supporter Rep. Glenn English (D-Okla.), as well as Bowman and some of his co-op's consumers. One unidentified co-op member interviewed for the piece offered a personal defense: "We are loyal (to the co-op) because we feel it's more or less a family organization."

## Farm poverty rate stays lower than national average

The number of people living in poverty rose sharply in 1990 to 33.6 million—a jump of 2.1 million—and the median income of the American family dropped to under \$30,000, the Census Bureau said. At the same time, the government reported that the farm poverty rate is running at low levels for the fourth year in a row—the result of stronger farm income and families that often hold two jobs, according to one analyst. The Census Bureau said the farm poverty rate for 1990 was 11.2 percent, virtually unchanged from the preceding year. The U.S. average was 13.5 percent, up a dramatic 5.5 percent, its highest level since 1986. "For the fourth consecutive year, there was no significant difference between the farm and non-farm poverty rates," the Bureau said. "Typically, the poverty rate has been higher for the farm than the non-farm population." The 1990 poverty line was \$13,359 for a family of four. The Bureau showed that the income gap between rich and poor continues to widen with the middle class getting squeezed. The farm poverty rate has been on par with the U.S. average since 1987. "Farm income was pretty good last year and farm households tend to be stable, typically married couples," Calvin Beale, a U.S. Department of Agriculture demographer, said in analyzing the report. Married couples tend to have higher incomes than one-parent families. "It's gotten so it doesn't surprise us anymore that the farm poverty rate should be lower than the non-farm (rate)," Beale said. Meanwhile, the rural poverty rate was 16.3 percent, compared with 15.7 percent in 1989. The rural poverty rate has exceeded the U.S. average for the past couple of decades. Rural America, home to a quarter of the U.S. population, has recovered more slowly than urban areas from the recession of the 1980s.

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# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## Board meeting report

### Minutes of trustees meeting of October 21, 1991.

Upon roll call, all trustees present.

**Reviewed and approved** minutes of the September 16, 1991, regular meeting and the September 30, 1991, special board meeting.

**Accepted** 15 new memberships in cooperative.

**Cancelled** 14 memberships no longer receiving service.

**Reviewed and approved** the check disbursement list for the month of September 1991.

**Approved** work orders for the month of August 1991 totaling \$10,201.08 and authorized submis-

sion to REA for reimbursement.

**Reviewed and accepted** manager's financial, maintenance and outage reports for the month of September 1991.

**Heard** a report of recent AIEC board meeting.

**Heard** a report of recent Soyland board meeting.

**Heard** a report from the cooperative attorney concerning recent legislative and judicial activities affecting the cooperative.

**Heard** a report on the recent Farm Progress Show and the IFEC Tent Show.

**Heard** a report from cooperative auditor Mike Kirk regarding REA

correspondence on accounting methods. Authorized Mike Kirk and manager Campbell to respond to REA concerning these methods.

**Heard** a report on the possible privatization of REA.

**Approved** membership in the Chamber of Commerce and the Farm Bureau for the following year.

**Approved** revision of policy bulletin 200-1.

**Discussed** annual Christmas party plans.

**Approved** continued participation in the Youth to Washington Tour.

**Adjournment.**

### Note to members who are considering changing water heaters

Clay Electric has entered into a load management program designed for water heaters. ASHRAE standards for water heater efficiency must be met. If you would like further information, please contact Alan Wattles at Clay Electric — 662-2171.

### Office closings

Clay Electric Cooperative office will be closed November 28 and 29 for Thanksgiving, December 25 for Christmas, and January 1 for New Year's Day.

## Are there savings or not?

Clay Electric is now halfway through the grain drying season, some members who are on this rate have asked about their savings. The members often say that they cannot see a savings.

With this article we are printing a bill made up for an account on the grain drying rate. On the righthand side of the bill, below the member's name and address, is a line that states average use and gives a number. This number is the base average usage of kWh from the preceding months of December through August, the

Cooperative will bill this number at the regular rate for kWh usage for September, October and November. Any kWh used over the average use will be billed at .05 cents each kWh. Now you may ask how come you don't see it on the lefthand side of the bill where it shows how many kWh was used. Here is the reason: We handle our billing through Central Area Data Processing via satellite and it is cheaper to have the bills printed with both of the rates rolled into one line.

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**Clay Electric Cooperative, Inc.** **Grain Drying Rate**  
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From Reading	To Reading	kWh Multiplier	kWh Used	Amount
50000	54500	1	4500	\$ 26944

STATE UTILITY TAX  
 W.P.C.A.  
 EQUITY

WHOLESALE POWER COST ADJ PER KWH

THIS STATEMENT IS FOR CONSUMPTION THROUGH  
 100191  
 Bill is Delinquent and Gross applies after this date

Rate Schedule  
 102491  
 Bill is Delinquent and Gross applies after this date

Account Number

YOUR ELECTRIC SERVICE COST PER DAY BASED ON 30 DAYS

AVERAGE USAGE 700

ENTER METER READING

RETURN THIS PORTION

John Doe  
 R R 1  
 LOUISVILLE, IL 62858

that you are in fact receiving a savings. Just take the kWh used amount which is on this bill. For example 4,500 kWh, subtract the average use, which is 700 kWh and this leaves a total of 3,800 kWh to be billed at .05 cents for each kWh. This total is \$190.00. Add to that the 700 kWh which are billed at the regular rate which is \$79.44 for a total of \$269.44. Then state utility tax and W.P.C.A. is added for your net bill total. (See Fig. 1).

**Fig. 1 Grain Drying Rate**

kWh used 4,500 = September 1, 1991 reading 50,000  
 October 1, 1991 reading 54,500  
 Average use 700 from December 1, 1990 to August 31, 1991.  
 Grain drying rate @ .05/kWh = 4,500 - 700 = 3,800 kWh  
 3,800 x .05 = \$190.00

Average use at regular rate

700 = Facility charge	\$ 9.50
First 200 kWh @ .1112 =	22.24
Next 500 kWh @ .0954 =	47.70
<b>Total Grain Drying Rate</b>	<b>\$79.44</b>
<b>\$190.00 + \$79.44 =</b>	<b>\$269.44*</b>

If the member was being billed on a regular residential rate schedule, the 4,500 kWh would total \$414.60. (See Fig. 2). The difference between the bills is \$145.16

**Fig. 2 Residential Regular Rate 0001**

4,500 kWh = Facility =	\$9.50
First 200 kWh @ .1112 =	22.24
Next 500 kWh @ .0954 =	47.70
Over 700 kWh @ .0882 =	335.16
<b>Total Residential Regular Rate =</b>	<b>\$414.60*</b>

(See Fig. 3), this is a significant savings for the member.

We hope this clears up some confusion for a few of our members about the savings of the grain drying rate. If you have any further questions, please feel free to contact the office.

**Fig. 3 Savings**

\$416.60 - \$269.44 = \$145.16

\*Does Not Include Utility Tax and W.P.C.A. which would be the same on both bills.

In summary, the grain drying is sold at .05 cents as opposed to the regular rate. The greater the overall kWh usage in relation to the usage, the larger the dollar savings.

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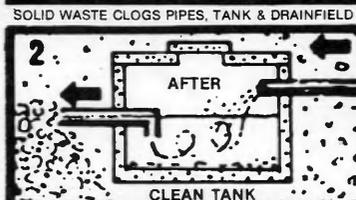
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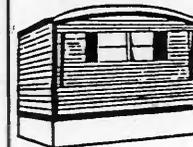
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### U.S. POSTAL SERVICE - STATEMENT OF OWNERSHIP - MANAGEMENT AND CIRCULATION (Required by 39 U.S.C. 3685)

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I certify that the statements made by me above are correct and complete.

/s/ Larry F. Ellodge, Editor

said, and soil moisture remained low in many parts of the basin, particularly North Dakota. Prolonged precipitation loss in the region imposed hardships on farming, power, recreation and tourism industries, with upper basin states—Montana, Wyoming and the Dakotas—hit hardest. Drought conditions closed lake resorts, killed crops and hurt fish spawns.

## Gas gets a boost

Last year's amendments to the Clean Air Act will make natural gas an increasingly popular power-plant fuel in the years to come, but coal will continue to generate more than half the nation's electricity, the government predicted. The Annual Outlook for U.S. Electric Power, released by the Energy Department's Energy Information Administration, said utilities will rely on scrubbers, fuel switching and emission allowances to meet the requirements of the new law. It forecasts a price increase of only one-tenth of a cent per kilowatt-hour by 2010, although the increase could be more than three times that in areas that burn large amounts of high-sulfur coal. Power producers—including non-utilities—are expected to build less coal-fired generating capacity in the next two decades, with the difference offset by an increase from plants fueled by natural gas. "The additions to gas-fired capacity will help put natural gas ahead of nuclear power as the second-largest contributor to electricity generation in the nation," the report concluded.

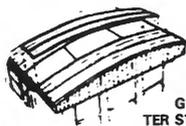
## Manager's photograph earns top state honor

A photograph by William C. (Bill) Lemons, manager of McDonough Power Cooperative of Macomb, has been selected as the first place entry in the adult division of the "Scenes of Illinois" photo contest conducted by the Illinois Secretary of State's Office. The photograph, entitled "Blackeyed Susan Sunset," was picked from a large number of entries submitted by outstanding photographers from across Illinois. The photograph will be printed in the 1991-92 Illinois Blue Book, the 45th edition of the official state reference book. The photograph is on display in the Centennial Building in Springfield.

## Buying, selling or trading?

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# Clay Electric News

CLAY ELECTRIC COOPERATIVE, INC.

618-662-2171

FLORA, ILLINOIS

## New incentive programs offer savings on water heating and air conditioning

Members of Clay Electric Co-operative will be offered a chance to reduce their water heating and air conditioning costs beginning about mid-1992 under terms of a load management program recently approved by the Clay board of trustees. Members who agree to place a radio-control switch on their water heating or air conditioning systems will qualify for a credit against their electric bills. Savings could total \$6 per control month. We call it "Switch & Save."

All members will benefit from the program as it seeks to control the cooperative's total kilowatt demand during winter and summer peak use periods. The cost of installing the system will be recovered over the first four years of the program and the cooperative will realize a significant savings in wholesale power costs following the payback. Part of that savings will be returned to members who participate in the control programs, and the balance will benefit all members through more stable rates.

The program will get under way as soon as approval is received from the Federal Communications Commission for our new radio frequency, possibly as early as June or July.

### The high cost of peaks

Wholesale power cost Clay Electric \$2,597,560 in 1990, or 64 cents of every dollar paid in by members. Our wholesale power cost is based on two factors, the number of kilowatt-hours our members used (the energy factor) and the peak kilowatt summer and winter demand (the demand factor). In 1990 our energy factor cost \$918,268 while the demand factor cost \$1,679,292, or 65 percent of the total power bill. Our new Switch & Save load control program aims to control the high cost of the demand factor by controlling our peak kilowatt winter and summer demand.

The winter demand cost is determined by the peak kilowatt demand during December, January and February and the summer demand cost is determined by the peak kilowatt demand during the months of July and August. For Clay members the peaks usually hit between 5 p.m. and 9 p.m. on the hottest and coldest days of the year. Your board of trustees has sought a

method where we could control total kilowatt demand just during those peak periods without restricting members' use of their appliances when control is not needed.

Radio-control switches will be the answer.

### Water heater credits

Members who agree to place a radio-control switch on their water heater will receive a credit of \$6 per control month on their electric bill. The switch will allow the cooperative to shut the water heater off for up to one and one-half hours during periods when we believe a kilowatt demand peak may hit our system. Not all water heaters will be shut off at the same time but will be cycled by our control system so members should be unaware that control is taking place. And, control will only occur during those short periods of peak demand on the hottest or coldest days of the year or in emergencies.

There will be no cost to the member to participate in the program. The radio-control switch will be furnished by the cooperative, and installation will be done by a contractor hired by the cooperative.

For a member to qualify to participate in the program, the member must have a 40-gallon or larger electric water heater and must have monthly energy usage of at least 400 kwh.

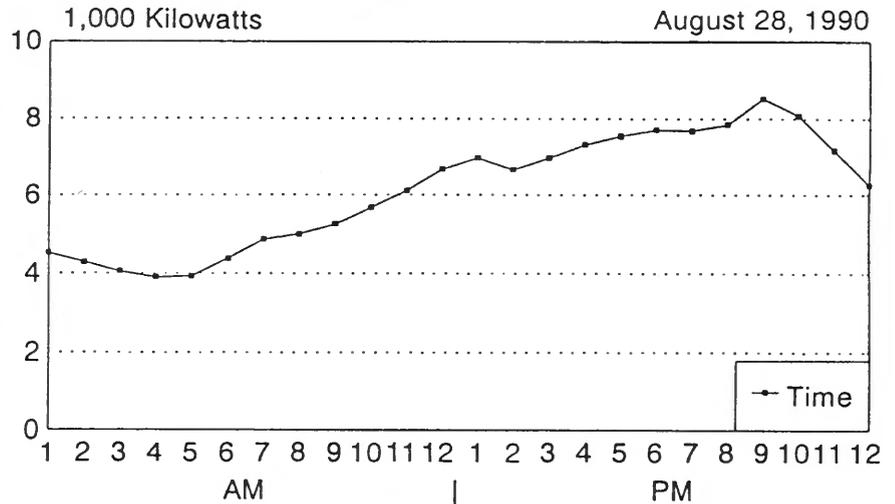
### Air conditioning credits

Members who agree to place a radio control on their central air conditioning compressor unit will receive a credit of \$2 per ton of central air conditioning during the months of July and August. The switch will allow the cooperative to shut the air conditioning compressor off, usually for only 15 minutes at a time, during those few hot days when we are close to our summer peak demand. Not all controlled air conditioning systems will be shut off at the same time but will be cycled by our control system so that members should not be aware that control is taking place.

Again, there will be no cost to the member to participate in the control program. All costs of getting the switch into place will be paid by the cooperative.

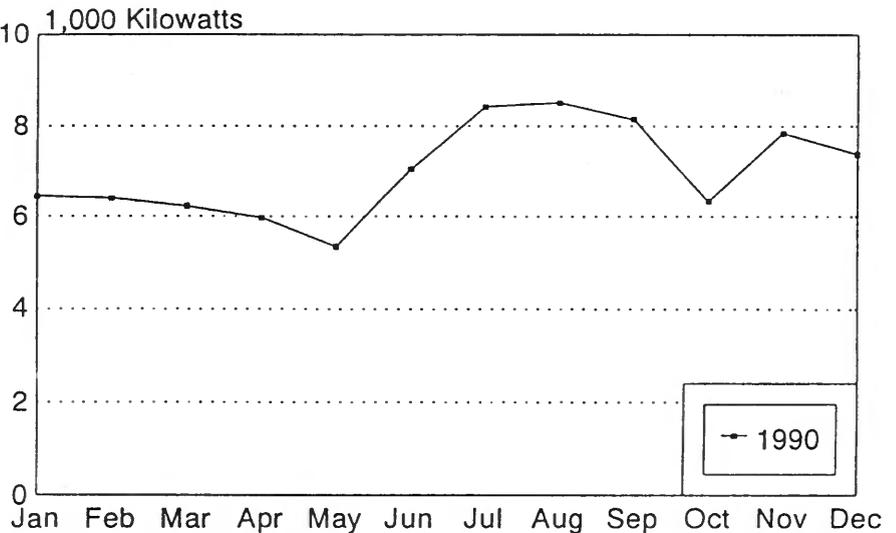
# 1990 Peak Day Hourly Demand

Daily peak energy usage will determine just when radio signals will be used to control demand peaks under Clay Electric's Switch & Save peak control program. On August 28, 1990, our peak demand day last year, members' peak usage occurred between 8 p.m. and 10 p.m. Radio controls on air conditioning compressors and water heaters could have lowered this demand curve, improved our load factor and resulted in lower wholesale power costs this year.



# 1990 Monthly Peak Demand

Peak demand by members varies seasonally with the peak month usually occurring during the summer air conditioning months of July and August. Members who agree to Switch & Save will save on their electric bill and help the cooperative control peak demand.



## Feasibility study

Planning for a program to control wholesale power demand costs got under way in 1989 when your board of trustees contracted with Southern Engineering Company to conduct a feasibility study. The study included a survey of members to determine the number of water heaters and central air conditioning units on our lines. Members were also asked if they would volunteer to participate in a load control program.

The study found that 28 percent of our members had electric water heaters of 40-gallon capacity or greater and 45 percent of those members would participate in a load control program. We also determined that just under 16 percent of our members have central air conditioning units.

After detailed analysis of our members' usage patterns, the capability of our present radio equipment, new investment needed and our wholesale power costs, Southern Engineering determined the program would be feasible since all costs could be recovered within four years.

The board of trustees voted in October to direct the cooperative staff to get the program under way as soon as possible. The first step was taken in November when the cooperative applied to the Federal Communications Commission for a new radio frequency that will be used to send signals to the control switches at member locations. As soon as that approval comes through, estimated to be in June or July, switches will be purchased and the Switch & Save program will get under way.

Members will be notified as soon our FCC license is approved so we can begin taking applications for switch installation.

We believe members will be excited about the opportunity to receive credits against their cost of electric water heating and air conditioning. The board of trustees and cooperative staff are excited about the possibility of controlling our wholesale power cost, a saving that will benefit all members through more stable rates.

Watch for more news about Switch & Save in the months ahead.

# Make-ahead holiday



## BISCUIT DOUGH ORNAMENTS

Heat oven to 350 degrees. Mix 2 cups biscuit mix and ½ cup boiling water until soft dough forms; beat vigorously 30 seconds. Turn onto cloth-covered board well dusted with baking mix. Gently roll in baking mix to coat; shape into ball. Knead 10 times. Roll ¼-inch thick. Let stand uncovered 5 minutes. Cut into desired shapes, using cutters of 2 sizes to obtain cutouts, or design your own patterns. (Cutout decorations can be attached by brushing with beaten egg yolk and pressing gently into surface of larger shape.) If ornaments are to be hung, make a hole in each ¼ inch from top with end of plastic straw. Bake on ungreased cookie sheet until golden brown, 8 to 10 minutes. About ten 4-inch ornaments.

### SHRIMP DIP

1 cup celery, cut fine  
 ½ cup green onion, finely chopped  
 1 large pkg. cream cheese, softened  
 ½ cup mayonnaise  
 1 can shrimp, cut up  
 ½ teaspoon lemon juice  
 Mix all ingredients together and chill several hours before serving.

### BUFFET CHICKEN ELEGANTE

3 quarts water  
 2 tablespoons salt  
 1 teaspoon olive oil  
 1 pkg. (5 oz.) wide egg noodles  
 ¼ cup green pepper, chopped  
 ½ cup onion, chopped  
 3 tablespoons butter, melted  
 1 can (10¾ oz.) cream of chicken soup, undiluted  
 ½ cup milk  
 1 can (6 oz.) mushrooms, sliced and drained  
 ¼ teaspoon black pepper  
 1 carton (12 oz.) cream style cottage cheese  
 1 small package almonds, sliced  
 3 cups cooked chicken, chopped  
 1 pkg. (10 oz.) mild Cheddar cheese, shredded  
 ½ cup grated Parmesan cheese  
 Paprika (optional)

Bring water, salt, and olive oil to a boil; slowly add noodles. Allow water to return to a boil; cook 12 to 15 minutes, stirring occasionally. Drain and set aside. Saute green pepper and onion in butter until tender. Remove from heat; stir in soup, milk, mushrooms, black pepper, cottage cheese, and almonds. Arrange half of the noodles in an ungreased 13 x 9 x 2-inch baking pan; cover with half of soup mixture. Top with half of chicken; sprinkle with half of the Cheddar cheese. Repeat layers. Top with Parmesan cheese; sprinkle with paprika, if desired. Bake at 350 degrees for 45 minutes.

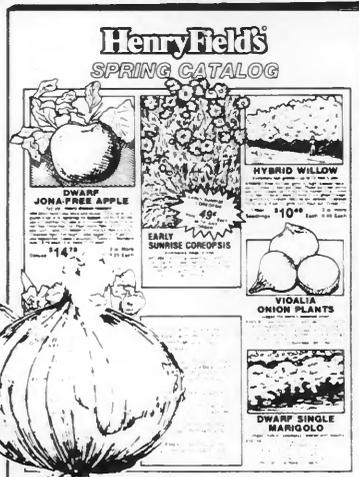
### PUNCH BOWL CAKE

1 pkg. yellow cake mix, baked as directed  
 2 (3 oz.) boxes vanilla instant pudding, mixed as directed  
 2 cans cherry pie filling, removed from can of course!  
 1 large can crushed pineapple  
 1 medium container whipped topping  
 1 large container whipped topping  
 Chopped pecans to taste

Crumble ½ of cake into bottom of punch bowl, add a layer of pudding, pie filling, pineapple, whipped topping and pecans. Repeat until all ingredients are gone, ending with whipped topping and pecans. Keep chilled until ready to serve, or if you're alone for the weekend, until you are ready to PIG OUT!!! Remember: It is not polite to lick the bottom of the punchbowl when all of the good stuff is gone.

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