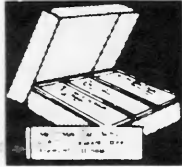


**SALE ON  
PEPPERELL SHEET BLANKETS**

Be delighted with these fine quality sheet blankets made by America's well known PEPPERELL Company. A soft warm knapped blend of 65% polyester and 35% cotton. Machine washable. Slight irregulars, will not effect the wear. Your money back if not satisfied.

Reg. \$12-66x90 size \$ 8. : Reg. \$14- 80x90 size \$10.  
Reg. \$16-95x90 size \$11. : Reg. \$17-108x90 size \$12.  
Colors: White, beige, blue, pink, yellow, green. Please give alternate color choice and add \$1.00 per blanket for shipping.  
OPPENHEIM'S, Dept. 72, No. Manchester, Ind. 46962

**1000 GOLD STRIPE ZIP CODE LABELS 75¢**  
FREE LOVELY GIFT BOX



1000 Gold Stripe, 2 Color, gummed, padded Labels, printed with ANY name, address & Zip Code. 75¢ + 10¢ pstg. & hdg. or 85¢ in all Or. 3 sets, all the same or each set different, only \$2.40 ppd Fund raisers write for quantity prices

Money Back Guarantee FREE GIFT BOX! Pls allow up to 6 wks for delivery.

LABEL CENTER Dept. GS-401  
1602 Locust St. St. Louis, Mo. 63103

**Planning to  
Weatherize?**

You'll find helpful tips in the booklet  
**HOME WEATHERIZATION FOR  
LOWER COST LIVING COMFORT**

To order a copy, use the coupon on page 11

**SALE! Dazzling Jeweled Sandals**

Sparkling with multi-colored gemstones, these beautifully made ladies sandals are superbly comfortable. Foam-cushioned insoles, adjustable backstraps and 2" heels. Order style "Galaxy" in Gold, Black, White, Silver. Now only \$17.95 per pr. **Save even more—2 pr. \$33.00.** Add \$1.60 per pr. post. Visa/MC/AX send acct # and exp. date. Credit card phone orders call 713/650-0916. Refund if not delighted.

**Sofwear Shoes, Dept. 170B, 1811 San Jacinto, Houston, TX 77002.**

(REG. \$20.00)  
**NOW \$17.95**

SIZES	
N	5 1/2-12
M	4-12
W	5-12
(No 1/2 sizes over 10.)	

CATALOG \$1.00 OR FREE WITH ORDER

**Regency Gowns**  
**\$19.<sup>95</sup> up**

**EXPERT TAILORING**  
Finest Fabrics, including Permanent Press and Wash and Wear. Superior Quality. Guaranteed Satisfaction. Free Color Catalog and Fabric Swatches on Request.

**REGENCY**  
CAP & GOWN CO.  
P.O. Box 10557 ED  
Jacksonville, Florida 32207

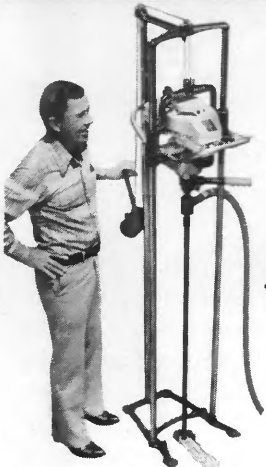
**Wick Buildings can put the right  
INvironment in your environment**

Quality Engineering • Quality Materials • Quality Completion

- A wide range of agricultural buildings
- Solar buildings
- Horse barns
- Livestock confinement buildings
- Commercial and specialty buildings
- Exclusive Country Gentleman design

**Wick Buildings®**  
A product of Wick Building Systems, Inc.  
...offering the solar advantage!  
Mazomanie, WI 53560 • Adair, IA 50002

**WATER WELL  
DRILL KIT**



Now you can drill a water well or a free-flowing spring in your backyard. Have all the pure, fresh water you want **FREE!**

**OVER 35,000 SOLD!**

Easy to operate as your power lawn mower!

FOR FREE BROCHURE  
**CALL TOLL-FREE  
1-800-821-7700**

(Ask for Extension 405)  
Or clip coupon and mail TODAY!

**DeepRock** 405 Anderson Road  
Opelika, Alabama 36802  
Please mail your FREE brochure.

Print Name \_\_\_\_\_  
Address \_\_\_\_\_  
City-State \_\_\_\_\_ Zip \_\_\_\_\_

© 1984 DeepRock Mfg. Co.

For new building design and pricing information, call your nearest Wick Buildings dealer listed below or phone toll free 1-800-356-9682, weekdays

(In Wisconsin call 1-800-362-5457)

**ILLINOIS**

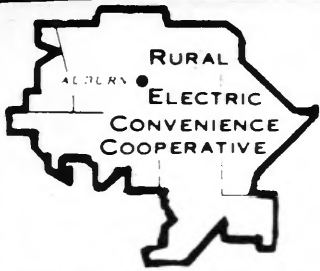
- Arthur .... Enos Helmuth & Sons • 217-543-2298
- Ashton ..... Consol Builders & Supply  
815-453-2442
- Bloomington..... Siron Sales & Service, Inc.  
309-663-0331
- Carlinville ..... Donald Bacon • 217-627-2297
- Carrollton ..... Jim Parkinson • 618-576-2287
- Cissna Park ..... Siron Sales & Service, Inc.  
815-457-2134
- Danville ..... Carl Wise • 217-776-2462
- Effingham ..... Curtis-Jansen • 217-342-2159
- Eureka ..... Dan Wiegand, Jr. • 309-467-4527
- Hardin ..... Bill Parkinson • 618-576-2287
- Highland ..... Curtis-Jansen • 618-654-9807
- Lena ..... Freeport Builders • 815-563-4211
- Lindenhurst..... Don Jackson • 312-356-10004
- Lyndon ..... Dale Woodworth • 815-778-4469
- Marlon ..... Glenn Hudgens • 618-993-5560

- Mazon ..... J.R. Enterprises • 815-448-2406
- Metropolis..... Koch Brothers Builders  
618-524-4565
- Monmouth ..... Phil Britt • 309-734-6458
- New Holland. .... Ken Harnacke  
217-445-2481 or 217-445-2400
- Paris ..... Wilson Contracting • 217-275-3411
- Princeville ..... Paul Steitmatter • 309-385-4848
- Quincy ..... Thompson Builders • 217-223-4060
- Royalton..... Robert Smith • 618-984-4470
- Spring Valley..... Malooley Brothers  
815-664-2353
- Wataga..... Harold Bramlett • 309-375-6470
- Waterman ..... Little Enterprises • 815-264-3302
- West Salem ..... George's Farm Supply  
618-456-8461

**WISCONSIN**

- Genoa City ..... Chuck Schuren  
414-279-5424 or 312-426-5040

Selected dealer territories available. Contact: Wick Buildings, Mazomanie, WI 53560



# Rural Highlights

Board of Directors: Stanley Otten, President; Robert Burtle, Vice President; Herbert Niemeyer, Secretary-Treasurer; Harold W. Peper, Asst. Secretary-Treasurer; Gary Skaggs, Stanley Rich, Harold Bruntjen, Dale Wilcox, Lynn Johnson and Roy D. Goode, Manager.

RURAL ELECTRIC CONVENIENCE COOPERATIVE CO.

217-438-6197

AUBURN, ILLINOIS



## Electric Cooperators Quarterly Committee

*The March Committee, from left to right: Randy and Kathy Killam, Girard; Jerry and DeAnne Hemberger, Auburn; Walter and Jerrie Wallace, Girard; and Randy and Terri Sue Pope, Nokomis.*

At the December 4 quarterly meeting, names were drawn by the members of the Electric Cooperators to determine who will serve on each of the four committees to plan the quarterly meetings for 1984. The photo on this page is the committee for the first quarterly meeting, which will be held March 1. They will meet sometime in February with the Member Services Director Wayne Fuchs, who is the coordinator for the Electric Cooperators.

In planning the meeting for the first quarterly meeting, they will request information concerning what they want to know about the operation of their cooperative.

This is a very interesting group and make a good sounding board for the board of directors. They are the young members of the cooperative and are very concerned about the future of their cooperative, and in keeping it strong with good reliable service to all its members.

Your Cooperative is 46 years old and with the interest of these young members, they will see to it that your cooperative will have many more years of service to you, the members. If you know any of the young cooperators, give them a call and express your interest in your cooperative and ways of keeping it strong and reliable for the members.

# Here's why safe Sun-Twin® heat saves \$ dollars and makes sense.

- Safety      ■ Versatile      ■ Total Control
- Economy    ■ Beautiful    ■ Low Maintenance
- Comfort    ■ Clean        ■ Security
- Convenient



**SUN-TWIN**® THE NEW WAVE OF ENERGY-EFFICIENT HEAT

# Champion replaces Smith as manager of Illini

**W**m. David Champion Jr., an employee of Illini Electric Cooperative since 1973, has been named manager of the cooperative by the board of directors. He replaces the retiring Walter R. Smith.

Champion, a native of rural Gays (Moultrie County), began work part time for Illini while he was a senior at the University of Illinois. After receiving a B.S. degree in accountancy in 1974, he became office manager. He was named assistant manager in 1979. Champion has completed a special management training program at the University of Nebraska, is a participant in an advanced management course at the same university and has studied budgeting and financial planning at the University of Wisconsin. He has also completed the Dale Carnegie course.

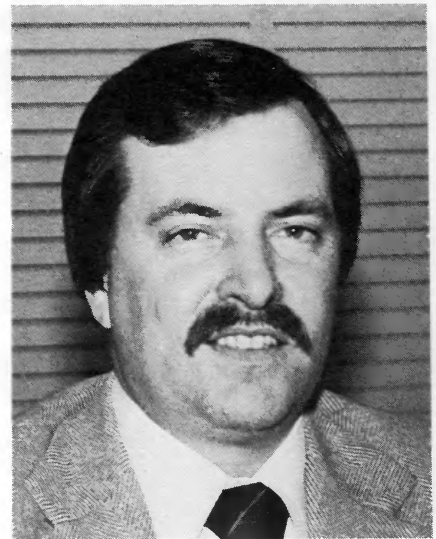
The new manager, his wife, Deborah, and daughters Becky (7)

and Teri (5) live near Ogden. Among their activities are the raising, training, breeding, selling and showing of quarterhorses.

A 1965 graduate of Windsor High School (Shelby County), Champion spent four years in the Air Force. During his service, he received two Air Force Commendation Medals, one during duty in Thailand and another while stationed in Guam. He served as an electronic warfare technician during the Vietnam conflict.

Smith is a 1947 graduate of the University of Illinois with a degree in electrical engineering and he began his career with Illini that year as system engineer. From 1952 until 1958 he was operating superintendent, became assistant manager in 1958 and was appointed manager in 1960.

A native of New Canton (Pike County), Smith served in the Army

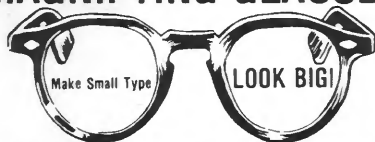


Wm. David Champion

during World War II, including service in the South Pacific.

Smith was prominent in numerous activities involving electric cooperatives, including being an original incorporator of Soyland Power Cooperative. He served as president of that 15-cooperative federation for nearly 20 years.

## MAGNIFYING GLASSES



**A Blessing For Folks Over 40**  
Easily read your phone book, Bible, ads or labels! 30 day home trial. Not for astigmatism or eye disease. U.S. made impact resistant lenses. State age/sex. Only \$8.98 + 75¢ handling.

Precision Optical, Dept. 109-A, Rochelle, ILL. 61068



NOW PLANT  
**Young Trees**  
AT LOW  
WHOLESALE  
PRICES

Colorado Blue Spruce plus 26 other evergreen varieties; Black Walnut plus 28 other deciduous trees including many hardwoods . . . and the fast-growing HYBRID POPLAR. Ideal for forestation, windbreak, wildlife shelter and food, soil conservation, increased property value. Low quantity prices.

Send for Free Catalog

**VANS PINES INC.**  
Box 765 West Olive, MI 49460  
Phone 616-399-1620

Park Seed 84



# PARK SEED

## High Performer™ Flower and Vegetable Catalog

Yours **FREE!**

Enjoy beautiful, carefree blooms and better tasting, higher-yielding vegetables in your garden this spring. Over 3,000 items to choose from -- 124 color pages! Exciting NEW introductions plus your proven all-time favorites. Satisfaction guaranteed.

"Home Garden Seed Specialists Since 1868"

---

Please print:  SEND MY FREE 1984 COLOR CATALOG TODAY

Name \_\_\_\_\_

Address \_\_\_\_\_ Apt. \_\_\_\_\_

City \_\_\_\_\_

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

**PARK SEED Co.**  
270 Cokesbury Road, Greenwood, S. C. 29647

energy  
efficiency

not cut off the power. Many people have the mistaken belief that the safeguards built into their house wiring will protect them from problems with extension cords, but this is not true. Fuses and circuit breakers are designed to protect the house wiring, and that is all they do.

Assuming you must have an extension cord to get your little space heater where you need it, make sure the one you get is up to the job. Look for a cord with a UL label, and beware of such generic statements as "heavy-duty extension cord," or "recommended for use with power tools." Also, the extension cord should be at least as large as the power cord attached to the tool or appliance.

Packages containing cords many times show what size cord you will need to serve tools or appliances at different distances from an outlet. If you cannot find the exact size you need, get the next larger size, and try not to buy a longer cord than you absolutely have to have. Not only are long cords awkward to work with, they lose energy, but less than an undersized cord would.

Since extension cords are somewhat unsightly and often pose a tripping hazard, it is often tempting to conceal them under a rug or carpet. This is an unsafe practice! It causes the cord to heat up, and friction will wear a cord surprisingly quickly, too.

It is safer to replace a worn cord than to attempt to repair it. If the outer jacket is worn or damaged, or if there is damage within the outer jacket, the cord presents a shock and fire hazard, and should be discarded immediately. On the other hand, if just the plug itself is damaged, and the cord sound, repairs would be in order. Properly sized and well maintained cords, used only when necessary, can be very useful around a house or farm. Misused, they are a safety threat and energy wasters.

## "Magic" Indian Oil CATCHES FISH LIKE CRAZY!

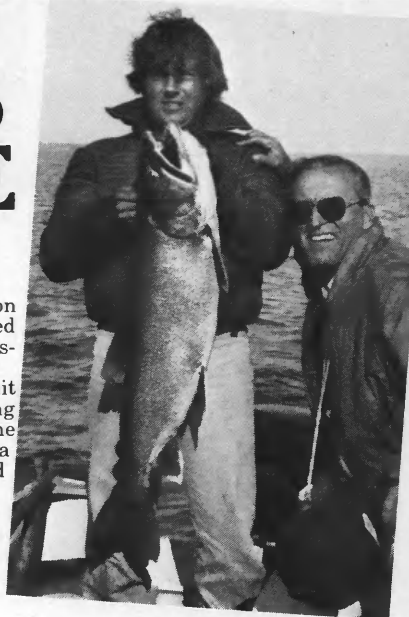
I made this remarkable discovery when my son went on his first fishing trip with me. We hired this old Indian guide in a small town in Wisconsin.

When our guide showed Mark how to bait his hook, I noticed that he rubbed something on the bait just before Mark put the line in the lake. Within minutes Mark had himself a beautiful bass. You can imagine how pleased I was and Mark, of course, wanted more.

So the whole thing was repeated—the guide put on the bait, rubbed it again, and up popped another beauty. Meanwhile, I sat there patiently waiting for my first fish.

This went on all morning. Mark caught 30 bass and I got eight.

When I pulled the boat in at noon and paid off our Indian guide, I noticed that a small, unusual seed had apparently fallen from the guide's pocket into the bottom of our boat. The odor from the seed was quite strong and certainly different from anything I had ever smelled before. This was what he had rubbed on Mark's bait!



*It works for me—  
wouldn't be without it.*  
D. Hulbutt, Duluth



*I used your spray  
and caught all these fish*  
J. Hannon, Chicago

When we returned home the next day, I gave the seed to a chemist friend of mine. He analyzed it and duplicated it into a spray for me.

I could hardly wait for my next fishing trip. What I discovered on that trip was absolutely unbelievable. I have never before caught fish like that. Every time I baited my hook. I sprayed it and up popped another fish.

I tested some more. I put spray on one bait and nothing on another. The sprayed bait got the fish almost immediately. The unsprayed bait got some nibbles, but nothing more.

I gave some of my friends samples of the spray to try and the results were the same—they caught fish like never before.

I named my spray "CATCH FISH LIKE CRAZY" cause that's just what it does and it works with all kinds of fresh or salt water fish. It works equally well on artificial or live bait.

**Here's what fishermen say about my spray:**

*"What you say is true. I caught fish like crazy—it really works!"* K.S. Evansville, Ind.

*"I read your ad and found it hard to believe—but sent for it anyhow cause I'm not very lucky—after one day, I'm a believer—I caught Snook and Sea Bass—it was easy!"* D.D. Naples, Fla

*"I always keep a can in my tackle box. It's fantastic!"* K.V. Highland Park, Ill.

### FREE BONUS OFFER!

1984 Fisherman's Almanac . . . Tells Best Days and Times To Fish . . . FREE with Orders of Two or More Cans.

#### MONEY BACK GUARANTEE

I will send you my "CATCH FISH LIKE CRAZY" spray. If you don't CATCH FISH LIKE CRAZY—don't even bother to return it—just send me your name and address and I'll return your money immediately.

**SEND COUPON TODAY!**

© 1984  
Catch Fish

CATCH FISH LIKE CRAZY Dept. IR024  
180 N. Michigan Ave., Chicago, IL 60601

Enclosed is \$\_\_\_\_\_ for \_\_\_\_\_ spray cans. If I don't CATCH FISH LIKE CRAZY you will refund my money at once.

2 cans \$10 (SAVE \$2) plus \$1.50 post. & hdlg. —BONUS GIFT!

1 can \$6 plus \$.75 post. hdlg.

4 cans \$16 (SAVE \$8) POSTAGE FREE—BONUS GIFT!

Ill. Res. add 6% sales tax.

Charge my  VISA  MASTER CARD

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

Expiration Date \_\_\_\_\_

PRINT NAME \_\_\_\_\_

Address \_\_\_\_\_

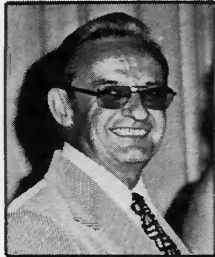
City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

# CURRENT LINES

## from cooperative managers



Roy D. Goode, Manager  
**Rural Electric**

Auburn, Illinois

You have been informed over the years to expect a dramatic increase in your electric costs as Clinton nuclear plant is developed. Many studies have been made over the past months to determine a method to reduce the future impact of rate shock.

WIPCO — your cooperative's power supplier — has been making these studies. A plan to go into effect in the very near future will cause an immediate increase in your power cost adjustment. You will be receiving more information on this soon, but we do need to keep you informed as to the future of your electric costs.

The long-range effect of these increases in power cost adjustments will be to stabilize your power costs in the future. We know that both your WIPCO board and your own cooperative board have been giving this careful and

thoughtful consideration and have arrived at a decision that will be in the best interest of the cooperative and in the long-range interest of you, the member-owners.

### EXTREMES BRING HIGH KWH'S

The 1983-84 winter has been one of the coldest (if not the coldest) on record for this area. As you all know by now, extreme conditions also bring about high energy usage. You know this first hand because of your fuel consumption (regardless of how you heat) and kwh usage. This you can expect. It has been a fact of life.

Many of you had some surprises when you read your meter. The first reaction is, "I couldn't have used that much" — then, "must be something wrong with the meter" — "call the co-op and accuse them." Only you can control the energy usage. Your meter sits there and keeps on counting kwh's — only stops when you turn off everything — then starts counting again when you start using again.

We have said many times: no other commodity is measured as accurately as electricity. So use what you need, need what you use, and you can depend on your cooperative to deliver your electric energy requirements and your electric meter to count the units — one by one, as the energy goes through your meter.

Thank you, and have a good season.



Bill LeCrone, Manager  
**Shelby Electric**

Shelbyville, Illinois

*(This is the text of a letter mailed to Shelby Electric Cooperative members in mid-January.)*

January 16, 1984

Dear Member-Owner:

For the past 25 years, your Cooperative has been a self-supporting business, operating without the necessity of borrowing money from the Rural Electrification Administration. Despite our best efforts to continue this efficient operation, incomplete financial results for 1983 indicate Shelby Electric Cooperative has experienced a net operating loss for the first time in several decades.

The largest percent of your bill, and the one that we have no control over, is the cost of power. During the past seven months your Cooperative has paid out \$353,837.61 more to our power supplier than was included in the last rate adjustment of December 26, 1982. This amounts to a six mill per kwh increase over what was anticipated last year. It currently costs the Cooperative 61 mills for each kilowatt exceeding 1,000, which is sold by the Cooperative

for 60 mills. This cannot continue if Shelby Electric expects to continue as a viable business.

At the December Board Meeting a resolution was unanimously approved to pass this six mill per kwh charge on to the members effective January 26, 1984. This six mill charge will be added to the fuel adjustment and be shown as one amount to be added to your billing slip the same as you have done in the past. You will use the same chart for the rate and add the Power Cost Adjustment charge on the card. This cost of power is going to continue to rise in the future, but your Board is dedicated to providing you with dependable power at the lowest cost possible.

Board of Directors

SHELBY ELECTRIC COOPERATIVE

## Youth tour essay contest

The 1984 "Youth to Washington" Essay Contest sponsored by Shelby Electric Cooperative is underway. Entry forms, background material and rules have been distributed to all high schools in the Cooperative service area.

Sophomores and juniors in these high schools are eligible to compete for two week-long, all-expenses-paid, fully chaperoned trips to Washington, D.C., with additional visits to Gettysburg, Pa., and Baltimore, Md.

If you are a high school sophomore or junior and have not received any information on this contest, please ask your principal or English instructor for an entry form, or complete the accompanying information request form and

ILLINOIS RURAL ELECTRIC NEWS

# The profit is all yours

A lot of people *sell* service. Automobile and appliance manufacturers, insurance companies, hotels, banks . . . they all promote their services because they want your business. Which means, naturally, that they want to make a profit.

But when your member-owned electric cooperative talks service, we're talking about a completely different sense of the term . . . because we're *nonprofit*. And that means that we aren't seeking your patronage in order to keep some stockholder in Rhode Island or California happy about increased dividends. We provide the reliable, efficient service we do because we're committed to the well-being and success of our members. That's why we were founded nearly 50 years ago and that's why we exist today.



So, when our construction crews build a few miles of transmission line, it means we're interested in improving your service reliability . . . not in increasing future profits. And when our member services representative offers advice on insulation, heating or wiring, he's interested in helping you use energy efficiently and safely . . . not in earning a sales commission.

Everything your member-owned electric cooperative does is meant to ensure you of a reliable supply of high-quality, affordably priced electricity. Providing for your well-being is our primary goal. And the profit in that is all yours.

return to Shelby Electric Cooperative.

The Washington tour is one of the finest trips of its kind. The tour includes special visits to many historic and government sites in Washington, as well as meetings with Senators and Representatives. Students will also be in Washington during "Rural Youth Day" and will have the opportunity to meet young people from across the country.

Two air-conditioned buses will carry the Illinois group on the trip, which departs Springfield on Friday, June 8, and returns on Friday, June 15. Transportation to and from Springfield will be provided by Shelby Electric staff.

In addition to the Washington tour, the six area students who are selected as semi-finalists will be awarded one-day trips to Springfield on April 25, for "Illinois Rural Youth Day" activities in the capital.

Entry form deadline is March 5. Please mail your request for information as soon as possible so we can get all the needed material to you so you can begin planning and writing your essay.

If you have any questions about the contest or the trip, please contact the Cooperative headquarters. Bob Westenhaver and Suzanne Tate are coordinating the Shelby contest and will be glad to give you any assistance you need.

**ENTRY BLANK**  
**TRIP TO WASHINGTON ESSAY CONTEST**

**Mail to:**  
Shelby Electric Cooperative  
P.O. Box 166  
Shelbyville, Illinois 62565

**NAME:** \_\_\_\_\_  
**ADDRESS:** \_\_\_\_\_  
**CITY:** \_\_\_\_\_  
**SCHOOL:** \_\_\_\_\_



So easy to handle  
you guide it with  
Just ONE HAND!

**No Footprints! No Wheelmarks! No Struggle!**

Tiller users, for heaven's sake, please don't buy nor put up any longer with any other make of Tiller without giving yourself a chance to find out about our wonderfully different and better kind of Tillers — with **POWER DRIVEN WHEELS** and with tines in the **REAR** instead of the **FRONT!** Please let us send you complete details, prices, "**OFF-SEASON**" SAVINGS, etc. Mail coupon below now to **TROY-BILT® Roto Tillers, 102nd St. & 9th Ave., Troy, N.Y. 12180.**

© 1984 Garden Way, Inc.

TROY-BILT® Roto Tiller-Power Composters, Dept. A-2017  
102nd St. & 9th Ave., Troy, NY 12180

Please send the whole wonderful story of TROY-BILT® Roto Tillers including prices and "OFF-SEASON" SAVINGS now in effect for a limited time.

(Please Print Clearly)

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_



**FREE!**  
America's most  
popular catalog of  
Half-Size & Large-Size  
Fashions.

**Direct to you low prices on:**

- A stunning collection of dresses, coats, jeans, sportswear, lingerie and shoes.
- Designer fashions and name brands too: Trissi, Ecco Too, Fire Islander, Lady Devon, Playtex, and many others!

Misses Sizes 14-24 • Half Sizes 12½-34½  
Women's Sizes 36-60 • Shoes, 6AA, 12EE

**FREE Lane Bryant Catalog  
Subscription**

Lane Bryant, Dept. A., Indianapolis, In. 46201

YES, send me my **FREE** Lane Bryant™  
mail order catalog subscription.

Print Name \_\_\_\_\_  
Address &  
Apt. # \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_

S84-032-0



Lane Bryant, Dept. A.,  
Indianapolis, In. 46201

**WaterFurnace™**  
SYSTEMS

\* Trade Mark of WaterFurnace International, Inc.

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

**WHAT IS A WATERFURNACE SYSTEM?**

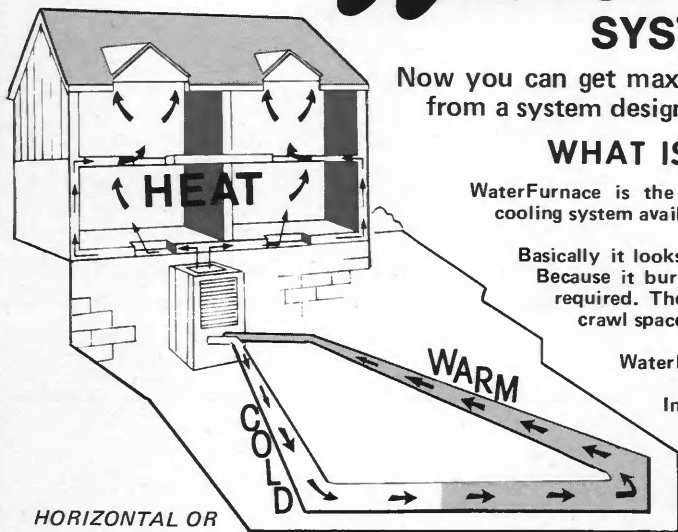
WaterFurnace is the safest, most energy efficient, pollution free heating and cooling system available.

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

WaterFurnace is a complete home heating system.

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

Dealer inquiries also invited



HORIZONTAL OR  
VERTICAL CLOSED LOOP

**The Natural Energy Source**  
EARTH COUPLED HEATING AND COOLING

**ComTec Corporation**

Route 1, Box 133L  
Hammond, Ill. 61929  
217/578-3477

Route 1, Box 191A  
Perrysville, Ind. 47974  
317/793-2510

MAIL TO: Com Tec Corporation  
Route 1, Box 133L  
Hammond, Ill. 61929

I am interested in learning more about the WaterFurnace systems.

Name \_\_\_\_\_

Address \_\_\_\_\_

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

Phone AC( ) \_\_\_\_\_



**LIFETIME  
TANK COATINGS**

Stop all leaks in steel and concrete — Prevent rust forever. Roof coatings for tar paper, composition shingles, and metal buildings. Anyone can apply all coatings. Fix it once and forget it. This is our 34th year. Let us send you complete information.

**VIRDEN PERMA-BILT CO.**  
Box 7160IN Ph. 806-352-2761  
2821 Mays St.  
Amarillo, Texas 79114-7160

**FREE STRAWBERRY  
BOOKLET!**

**IT'S A SWEET DEAL!**

Learn how to grow 'em for fun and profit in your area. Lists Strawberries, Raspberries, Blueberries, Blackberries, Asparagus, Fruit Plants and Tree Fruits.

Guaranteed to Grow!

Free Recipes!



Send Free Strawberry Booklet!

*Ahrens Strawberry Nursery*  
NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY: \_\_\_\_\_  
STATE: \_\_\_\_\_  
ZIP: \_\_\_\_\_

R.R. #1, Dept. 1R84, Huntingburg, IN 47542



**So easy to handle  
you guide it with  
Just ONE HAND!**

**No Footprints! No Wheelmarks! No Struggle!**

Tiller users, for heaven's sake, please don't buy nor put up any longer with any other make of Tiller without giving yourself a chance to find out about our wonderfully different and better kind of Tillers — with **POWER DRIVEN WHEELS** and with tines in the **REAR** instead of the **FRONT!** Please let us send you complete details, prices, "**OFF-SEASON**" SAVINGS, etc. Mail coupon below now to **TROY-BILT® Roto Tillers, 102nd St. & 9th Ave., Troy, N.Y. 12180.**

© 1984 Garden Way, Inc.

**TROY-BILT® Roto Tiller-Power Composters, Dept. A2050  
102nd St. & 9th Ave., Troy, NY 12180**

Please send the whole wonderful story of TROY-BILT® Roto Tillers including prices and "OFF-SEASON" SAVINGS now in effect for a limited time.

(Please Print Clearly)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

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

*"Magic" Indian Oil*  
**CATCHES  
FISH LIKE  
CRAZY!**

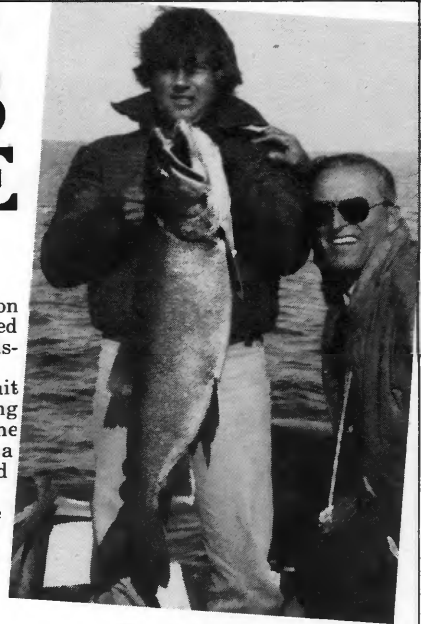
I made this remarkable discovery when my son went on his first fishing trip with me. We hired this old Indian guide in a small town in Wisconsin.

When our guide showed Mark how to bait his hook, I noticed that he rubbed something on the bait just before Mark put the line in the lake. Within minutes Mark had himself a beautiful bass. You can imagine how pleased I was and Mark, of course, wanted more.

So the whole thing was repeated—the guide put on the bait, rubbed it again, and up popped another beauty. Meanwhile, I sat there patiently waiting for my first fish.

This went on all morning. Mark caught 30 bass and I got eight.

When I pulled the boat in at noon and paid off our Indian guide, I noticed that a small, unusual seed had apparently fallen from the guide's pocket into the bottom of our boat. The odor from the seed was quite strong and certainly different from anything I had ever smelled before. This was what he had rubbed on Mark's bait!



*It works for me—  
wouldn't be without it.*  
D. Hulbutt, Duluth

When we returned home the next day, I gave the seed to a chemist friend of mine. He analyzed it and duplicated it into a spray for me.

I could hardly wait for my next fishing trip. What I discovered on that trip was absolutely unbelievable. I have never before caught fish like that. Every time I baited my hook. I sprayed it and up popped another fish.

I tested some more. I put spray on one bait and nothing on another. The sprayed bait got the fish almost immediately. The unsprayed bait got some nibbles, but nothing more.

I gave some of my friends samples of the spray to try and the results were the same—they caught fish like never before.

I named my spray "**CATCH FISH LIKE CRAZY**" cause that's just what it does and it works with all kinds of fresh or salt water fish. It works equally well on artificial or live bait.

**Here's what fishermen say about my spray:**

*"What you say is true. I caught fish like crazy—it really works!"* K.S. Evansville, Ind.

*"I read your ad and found it hard to believe—but sent for it anyhow cause I'm not very lucky—after one day, I'm a believer—I caught Snook and Sea Bass—it was easy!"* D.D. Naples, Fla

*"I always keep a can in my tackle box. It's fantastic!"* K.V. Highland Park, Ill.

**FREE BONUS OFFER!**

**1984 Fisherman's Almanac . . . Tells Best Days and Times To Fish . . . FREE with Orders of Two or More Cans.**

**MONEY BACK GUARANTEE**

I will send you my "**CATCH FISH LIKE CRAZY**" spray. If you don't **CATCH FISH LIKE CRAZY**—don't even bother to return it—just send me your name and address and I'll return your money immediately.

**SEND COUPON TODAY!**

**CATCH FISH LIKE CRAZY Dept. ARG34  
180 N. Michigan Ave., Chicago, IL 60601**

Enclosed is \$\_\_\_\_\_ for \_\_\_\_\_ spray cans. If I don't **CATCH FISH LIKE CRAZY** you will refund my money at once.

2 cans \$10 (SAVE \$2) plus \$1.50 post. & hdlg. —**BONUS GIFT!**

1 can \$6 plus \$.75 post. hdlg.

4 cans \$16 (SAVE \$8) **POSTAGE FREE—BONUS GIFT!**

Ill. Res. add 6% sales tax.

Charge my  VISA  MASTER CARD

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

Expiration Date \_\_\_\_\_

PRINT NAME \_\_\_\_\_

Address \_\_\_\_\_

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

© 1984  
Catch Fish



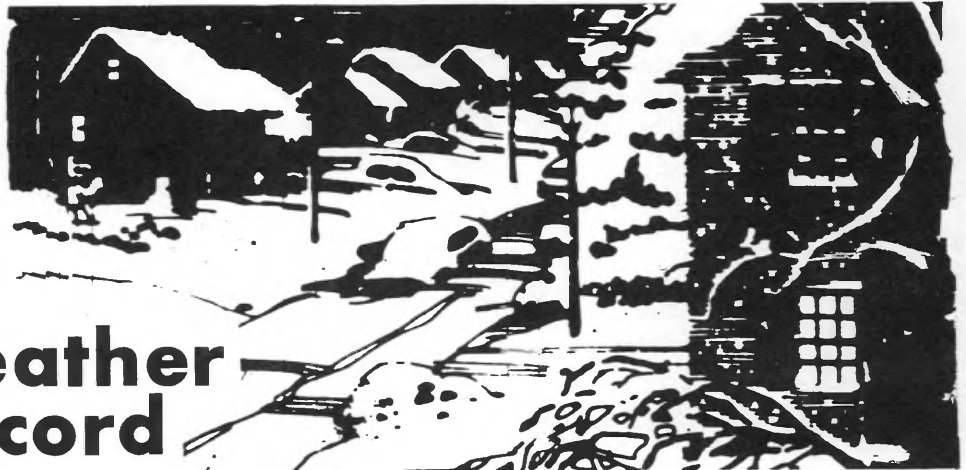
# Rural Highlights

Board of Directors: Stanley Otten, President; Robert Burtle, Vice President; Herbert Niemeyer, Secretary-Treasurer; Harold W. Peper, Asst. Secretary-Treasurer; Gary Skaggs, Stanley Rich, Harold Bruntjen, Dale Wilcox, Lynn Johnson and Roy D. Goode, Manager.

RURAL ELECTRIC CONVENIENCE COOPERATIVE CO.

217-438-6197

AUBURN, ILLINOIS



## Cold weather sets record

December 1983 was the coldest December since record keeping began in 1879, according to the Capitol Airport Reporting Service in Springfield.

The 1,512 degree days accumulated during the month was 42 percent above normal and was 88 percent colder than December 1982. On six different days new record lows were set and the 19 below recorded on December 22, 1983, was the coldest temperature ever recorded in December by the Reporting Service. The following table also shows this was the coldest month the Springfield area has had in the last four and one-half years.

The Illinois weather was typical of the bitter cold which swept throughout most of the nation. The Edison Electric Institute reported the weather had created a record demand for electricity. According to the trade organization for investor-owned electric utilities, more than 51-billion kilowatt-hours of power were produced between December

18 and December 25 — a 23 percent increase over the same week a year ago. Fortunately, only a few areas, primarily in the south, did ice and windy conditions snap power lines to cause widespread power outages.

December's record cold blast and subsequent January and February temperatures have pushed this heating season's degree day total to 4,585, with four months left in what is considered the heating season. The average total heating degree days for this area is 5,429 and the average through February is 4,152. The July-February total thus far is 10.5 percent above average and is almost 20 percent more than the total degree days recorded during the same period in the 1982-83 heating season. If the next four months' degree day totals are equal to those of March-June in 1983, this area's degree day total would exceed 6,000, a number reached only six times since 1957.

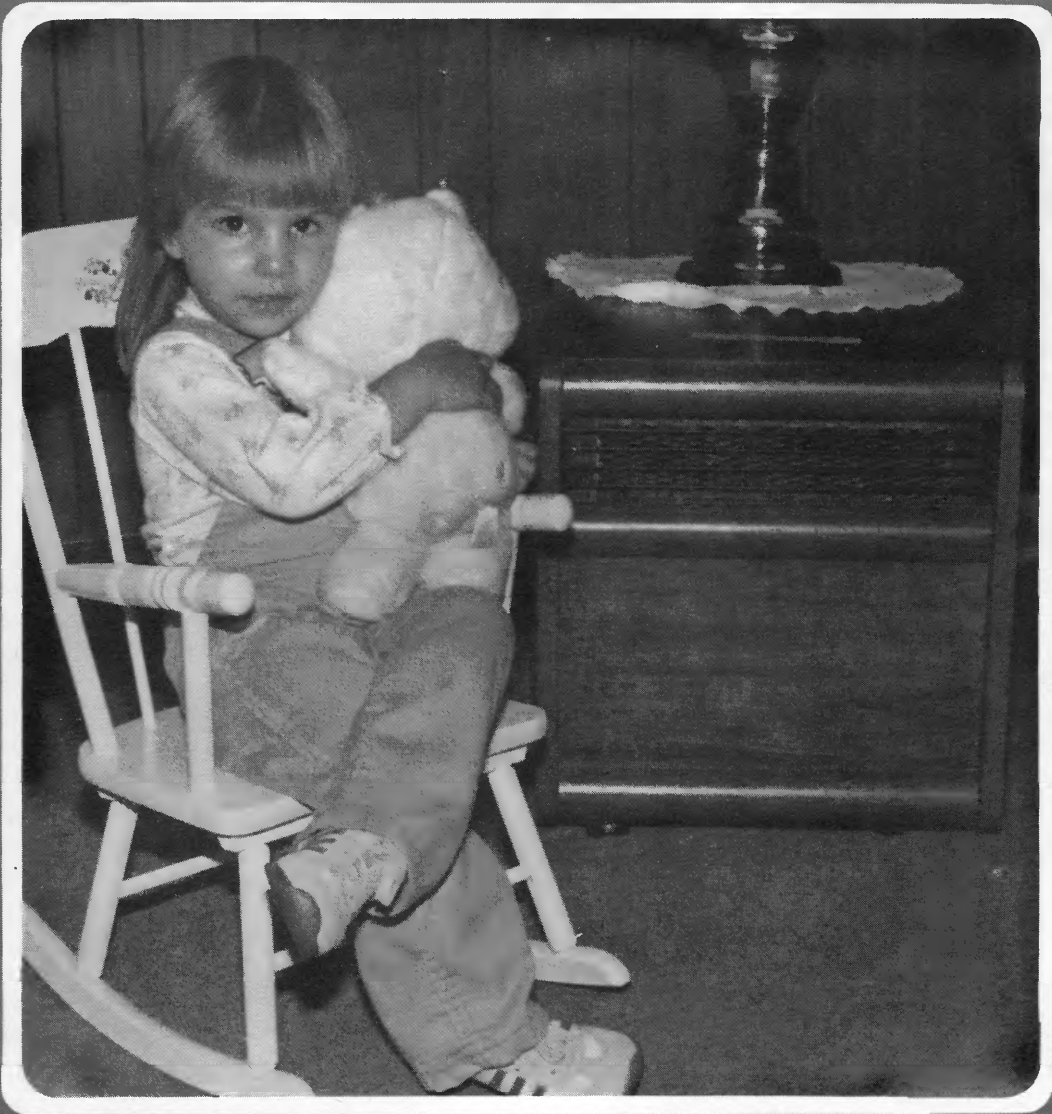
### HEATING DEGREE DAYS

#### Springfield Capitol Airport Reporting Service

Month	1979-80	1980-81	1981-82	1982-83	1983-84
July . . . . .	0	0	0	0	0
August . . . . .	9	0	0	5	0
September . . . . .	50	49	51	86	75
October . . . . .	323	395	332	325	269
November . . . . .	684	675	581	656	574
December . . . . .	898	1,028	1,169	806	1,512
January . . . . .	1,146	1,193	1,483	1,117	1,320
February . . . . .	1,249	906	1,139	836	835
March . . . . .	857	648	760	749	---
April . . . . .	421	181	502	501	---
May . . . . .	95	184	9	169	---
June . . . . .	8	0	20	14	---
TOTALS . . . . .	5,740	5,259	6,046	5,264	4,585

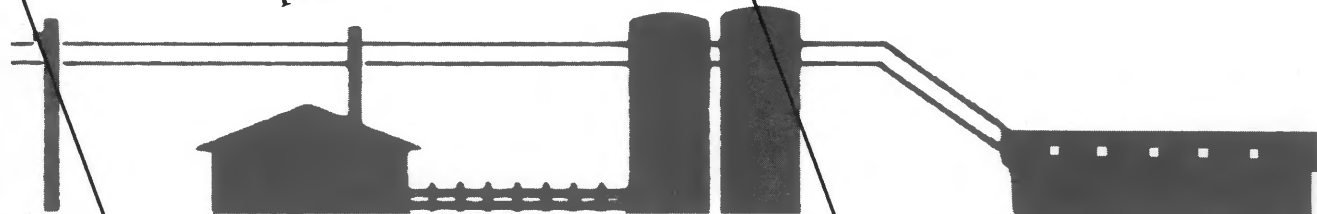
# Here's why safe Sun-Twin® heat saves \$ dollars and makes sense.

- Safety
- Economy
- Comfort
- Versatile
- Beautiful
- Clean
- Total Control
- Low Maintenance
- Security
- Convenient



**SUN-TWIN**® THE NEW WAVE OF ENERGY-EFFICIENT HEAT

Electrical Wiring Systems  
for  
Livestock  
and  
Poultry Facilities



## Moisture and dust create problem for wiring in animal buildings

**S**election and installation of electrical wiring and equipment in livestock or poultry production buildings call for considerations relating to safety and cost.

While grain storage, feed grinding and handling, and some farm shop facilities can create severe dust problems, there is also a need to protect wiring and equipment from corrosive vapors, moisture and dust common to livestock and poultry buildings.

In agriculture buildings, there is a

need to guard wiring and electrical equipment from damage by livestock or machinery. Such damage can be reduced or avoided by location or mechanical protection. Historically, metal conduit and boxes have been used to provide mechanical protection for conductors. But, the environment in livestock or poultry buildings will usually cause metallic conduit and boxes to corrode rapidly.

Concern for methods of improving the safety and controlling the costs of

electrical service in animal buildings prompted the National Food and Energy Council to organize a task force of persons familiar with the problems and to produce a publication on the subject, "Electrical Wiring Systems for Livestock and Poultry Facilities."

Dr. David Currence of the University of Missouri's Department of Agricultural Engineering coordinated the project. During the publication development, the Environmental Control Committee of the Illinois Farm Electrification Council conducted a workshop to create further understanding of presently and potentially available equipment. In addition, eight Illinoisans participated as task force members: Paul Benson, University of Illinois; Andy Bird, Tri-County Electric Cooperative; Doug Carolus, Illinois Power Company; Don Davis, Country Mutual Insurance; Roland Espenschied, University of Illinois; William Fletcher, National Safety Council; Richard Hiatt, Association of Illinois Electric Cooperatives; and Ray Weiss, Illini Electric Cooperative.

The booklet is divided into seven sections: protecting your electrical system, wiring materials, wiring methods, electrical supply service, electrical grounding, electric motors and controls, and standby power.

The booklets are available from most electric cooperatives in Illinois, or you may order a copy by completing the coupon on this page and sending \$1 to cover cost of the publication, postage and handling.

To: **A.I.E.C. Publications**  
**P.O. Box 3787**  
**Springfield, Illinois 62708**

Please mail me \_\_\_\_\_ copies of the publication  
**"Electrical Wiring Systems for Livestock and  
Poultry Facilities"**  
(For each copy, enclose \$1.00 to cover the cost of  
the book and pay postage and handling.)

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

Mailing Address \_\_\_\_\_

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



9179  
10½-20½

Birds & Flowers!



7067



9172  
SIZES 10½-26½



4744  
SIZES 8-16



To Size 44!

847



4852 10½-26½



9258  
SIZES 34-50

Candlewicking!



7255



4976  
34-50



Heirloom-Worthy!

7212

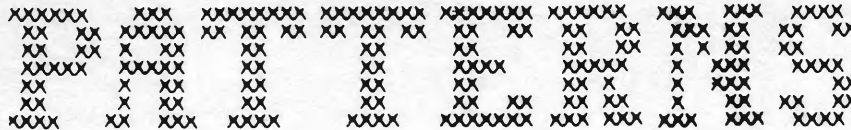


4822  
SIZES 8-18



9000

SIZES 8-20



- No. 9179 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½. See pattern for yardages.
- No. 7067 — official birds and flowers for 50 states for quilt about 68 x 110 inches.
- No. 9172 is cut in sizes (10½, 12½, 14½), (16½, 18½, 20½), (22½, 24½, 26½). Order your regular size.
- No. 4744 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) top takes 1 yard 45-inch; pants 1-3/4 yards.
- No. 847 is knitting directions in worsted-weight yarn, sizes 38-44 included.
- No. 4852 is cut in sizes 10½, 12½, 14½, 16½, 18½, 20½, 22½, 24½, 26½. Size 14½ (bust 37) takes 2-5/8 yards 60-inch.
- No. 9258 is cut in Women's sizes 34, 36, 38, 40, 42, 44, 46, 48, 50. Yardages given with pattern.
- No. 7255 is transfer of motifs for candlewicking pillows 11 inches across (not including eyelet ruffle).
- No. 4976 is cut in Women's sizes 34, 36, 38, 40, 42, 44, 46, 48, 50. See pattern for yardages.
- No. 7212 is patch pattern pieces for quilt 62 x 93 or 77 x 93 inches using prints and polka dots.
- No. 4822 is cut in sizes 8, 10, 12, 14, 16, 18. Size 12 (bust 34) takes 2-3/4 yards 45-inch fabric.
- No. 9000 is cut in sizes 8, 10, 12, 14, 16, 18, 20. Size 12 (bust 34) takes 2-3/4 yards 60-inch fabric.

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

I have enclosed \$ \_\_\_\_\_ (\$2.50 per pattern — cash, check or money order accepted) for the following patterns (please allow four weeks for delivery):

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

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

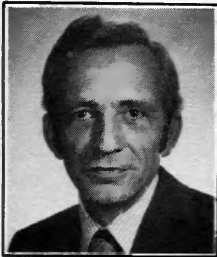
Address \_\_\_\_\_

City \_\_\_\_\_

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

# CURRENT LINES

## from cooperative managers



Bill LeCrone, Manager  
**Shelby Electric**

Shelbyville, Illinois

The following policy has been in the REN before, but we think it appropriate to run again. The following was adopted by the Board of Directors on January 24, 1983:

**FAILURE TO PAY.** All electric bills not received at Shelby Electric Cooperative office on or before the 15th of the month, unless otherwise covered by written contract or agreement, will be disconnected without further notice. A \$50 charge will be made for each trip for the purpose of collecting or disconnecting electric service if it can be accomplished during regular hours. If the member has had his service disconnected for non-payment of his electric bill and wishes to be reconnected at other than regular hours, he must first assure the Cooperative that he has cash or certified payment of some sort to pay the past due bill plus \$125 to cover the original \$50 collection fee and a \$75 reconnect fee.

If a member who has paid his electric bill without penalty for at least six consecutive months, fails then to pay his bill, he will not be charged the \$50 trip charge for that month, if a trip is necessary. If a trip is necessary he will, however be charged at gross rates. The following paragraph will not apply to him.

If a member who has paid his electric bill without penalty for at least six consecutive months, pays late, but before the trip is necessary, he will be charged the penalty.

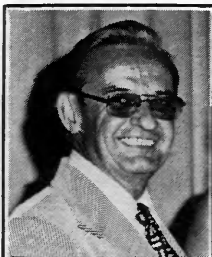
However, if he calls to the Cooperative's attention in writing that he has paid without penalty for the previous six consecutive months he will then be given credit on his account for the amount of the penalty.

**BAD CHECKS.** At any time the Cooperative receives a member's check from the bank marked "insufficient funds" or "refused payment" the Cooperative will add a \$5 service charge to the member's bill and will send a serviceman to the member's home requesting immediate settlement. The member will be charged the penalty if the settlement is made after the penalty date. He will also be charged \$50 for the trip to collect on the check, except that if it is the first time the member has a check returned the \$50 charge will not be made, but the member will be warned by the serviceman that for all future trips of this kind the \$50 will be charged.

If the settlement is not made for the amount of the bad check, service charge, the penalty, any balance, and the trip charge, if applicable, the serviceman is instructed to disconnect the service without further notice.

If the member is not at home and cannot be located, the serviceman will leave a note advising the member of the situation and give him 24 hours to make settlement of the amount due. If settlement is not made within 24 hours, the serviceman will visit the premises and disconnect the service or collect the amount due, which shall include \$50 for the second trip.

**RECONNECTION AFTER HOURS.** When a member wishes to have service connected after regular hours or a weekend or holiday or for any other reason he shall be charged a fee of \$75 which the lineman must collect before service is connected, plus any necessary membership fee, or additional connection fee, and a deposit or yearly minimum fee. If he is not a member, he must also sign a membership application.



Roy D. Goode, Manager  
**Rural Electric**

Auburn, Illinois

In March Western Illinois Power Cooperative (WIPCO) began adding a 1.21 cent per kilowatt-hour surcharge to our wholesale power bill. WIPCO will use the added income to fund a part of the interest cost it pays to REA on loans for the Clinton Power Station.

As you know from information we have sent and from announcements at our annual meetings, WIPCO owns a 9.5

percent interest in the Clinton project and the WIPCO portion is being financed with loans from REA. Recently, REA has decided to allow WIPCO to begin paying part of the interest on loans connected with the Clinton project from current revenues so that future long-term borrowing and the total interest cost can be reduced. Paying interest now will prevent some of the compounding of interest on funds borrowed for the project and, as a result, will give important assistance in holding down the future cost of electricity.

The surcharge will be passed through to our member-owners as a part of the monthly wholesale power cost adjustment. This surcharge to WIPCO's seven member-cooperatives will raise \$38,000,000 over a three-year period to be applied to interest costs and will tend to keep wholesale power cost at a manageable level in the future.

At the end of 1986, the \$38,000,000 collected for

# *The storm is over, but danger lingers*

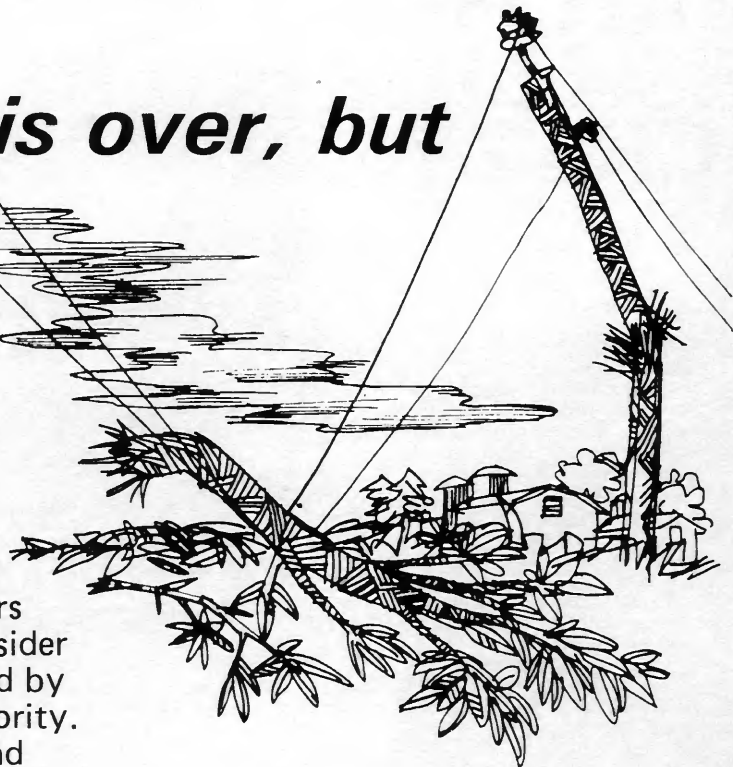
While we understand the urgency of restoring electric power to our member-owners after a severe storm, we consider hazardous conditions created by the storm to be our first priority. That means the detection and repair of downed overhead power lines, and we need your help.

Power lines that have been snapped or pulled down as the result of a storm present a serious, even deadly danger. If you come across a downed wire, stay completely away from it. Don't touch the line, the pole to which it is attached, or anything else in contact with the wire. Call us immediately — don't assume someone else will. We want to know about downed wires immediately so we can send our professionally trained

linemen to make the needed repairs.

Take some time today to teach your children about the dangers of downed electric wires. Instruct them to tell you or another adult as soon as possible about the problem, and to warn other children away.

Never, never assume a wire is harmless. Let us make the determinations and the repairs. Together we'll continue to keep our community safe from electric accidents.



interest payments will be returned to the members of WIPCO through credits on wholesale power bills over the 10-year period 1987-1997.

You have been represented on the WIPCO board of directors through all discussions leading to the decision by WIPCO to initiate the surcharge. We have accepted the unavoidable decision to pass on this additional cost of wholesale power to our members. It has not been easy for us to agree to these charges since we know that so many

members of Rural Electric Convenience Cooperative are on fixed incomes and for other good reasons find it very difficult to pay the present utility bills. But, we also know that WIPCO's decision to fund part of its interest costs through a wholesale rate surcharge will mean lower costs to our members in the long run.

If you have any questions on the surcharge on our wholesale power cost, or on any cooperative matter, please call me.

# "Magic" Indian Oil CATCHES FISH LIKE CRAZY!

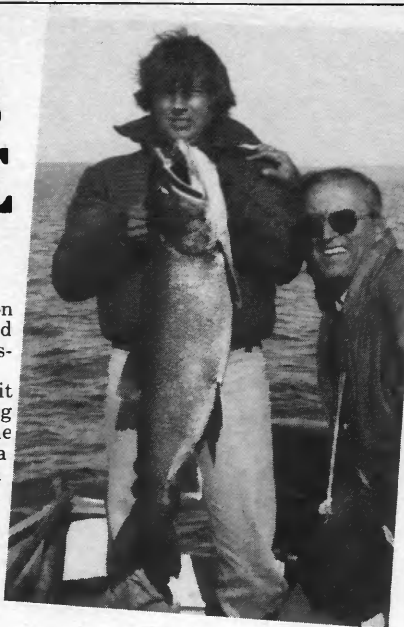
I made this remarkable discovery when my son went on his first fishing trip with me. We hired this old Indian guide in a small town in Wisconsin.

When our guide showed Mark how to bait his hook, I noticed that he rubbed something on the bait just before Mark put the line in the lake. Within minutes Mark had himself a beautiful bass. You can imagine how pleased I was and Mark, of course, wanted more.

So the whole thing was repeated—the guide put on the bait, rubbed it again, and up popped another beauty. Meanwhile, I sat there patiently waiting for my first fish.

This went on all morning. Mark caught 30 bass and I got eight.

When I pulled the boat in at noon and paid off our Indian guide, I noticed that a small, unusual seed had apparently fallen from the guide's pocket into the bottom of our boat. The odor from the seed was quite strong and certainly different from anything I had ever smelled before. This was what he had rubbed on Mark's bait!



*It works for me—  
wouldn't be without it.*  
D. Hulbutt, Duluth



*I used your spray  
and caught all these fish*  
J. Hannon, Chicago

When we returned home the next day, I gave the seed to a chemist friend of mine. He analyzed it and duplicated it into a spray for me.

I could hardly wait for my next fishing trip. What I discovered on that trip was absolutely unbelievable. I have never before caught fish like that. Every time I baited my hook. I sprayed it and up popped another fish.

I tested some more. I put spray on one bait and nothing on another. The sprayed bait got the fish almost immediately. The unsprayed bait got some nibbles, but nothing more.

I gave some of my friends samples of the spray to try and the results were the same—they caught fish like never before.

I named my spray "CATCH FISH LIKE CRAZY" cause that's just what it does and it works with all kinds of fresh or salt water fish. It works equally well on artificial or live bait.

#### Here's what fishermen say about my spray:

*"What you say is true. I caught fish like crazy—it really works!"* K.S. Evansville, Ind.

*"I read your ad and found it hard to believe—but sent for it anyhow cause I'm not very lucky—after one day, I'm a believer—I caught Snook and Sea Bass—it was easy!"* D.D. Naples, Fla

*"I always keep a can in my tackle box. It's fantastic!"* K.V. Highland Park, Ill.



Larry Hall

## Hall family has mini-zoo

For Larry Hall, a son's FFA project at school was the beginning of a hobby-business that reflects a long-time dream. "When my son, Larry, was getting interested in FFA," the elder Larry says, "he was kind of looking around for a project that was a little different from others. I'd always wanted a deer, ever since I was a kid, so I suggested that."

The Halls, who live in Cumberland County near Montrose, are members of Norris Electric Cooperative. They decided on a fallow deer, which is of Asian origin. Since fallow deer are not native to the U.S., the Halls could sidestep the problems involved in dealing with game animals.

They got their buck at Rockome Gardens in Arcola, while they later bought two does from a breeder in Evansville. They've had two sets of fawns since then, and all were bucks. "I'd like to have the buck and four does and sell the rest," Larry says.

Larry has since branched into other activities, too, with several cages of coons and foxes, in addition to the more mundane chickens and ducks you'd expect to find around a farm. Some two dozen foxes — some red and others silver — are part of the Hall menagerie.

"I'm crazy about animals," Larry says, "and I get a lot of pleasure out of the ones I have. I like to talk to people, too, and anybody's welcome to come and see the animals."

### FREE BONUS OFFER!

1984 Fisherman's Almanac . . . Tells Best Days and Times To Fish . . . FREE with Orders of Two or More Cans.

#### MONEY BACK GUARANTEE

I will send you my "CATCH FISH LIKE CRAZY" spray. If you don't CATCH FISH LIKE CRAZY — don't even bother to return it — just send me your name and address and I'll return your money immediately.

**SEND COUPON TODAY!**

© 1984  
Catch Fish

CATCH FISH LIKE CRAZY Dept. IRO44  
180 N. Michigan Ave., Chicago, IL 60601

Enclosed is \$\_\_\_\_\_ for \_\_\_\_\_ spray cans. If I don't CATCH FISH LIKE CRAZY you will refund my money at once.

- 2 cans \$10 (SAVE \$2) plus \$1.50 post. & hdlg. —BONUS GIFT!
- 1 can \$6 plus \$.75 post. hdlg.
- 4 cans \$16 (SAVE \$8) POSTAGE FREE—BONUS GIFT!

Ill. Res. add 6% sales tax.

Charge my  VISA  MASTER CARD

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

Expiration Date \_\_\_\_\_

PRINT NAME \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_





*Milo Thurston, front row center, of Pulaski, an SIPC director who retired after 18 years on the board, talks with A. C. Hayer, left, of Sparta and Richard Moss of Tamms prior to the start of the meeting.*

B. Pulliam of Galatia, Kenneth R. Webb of Tunnel Hill and Lawrence Wilke of Karnak. Reelected were: Bill Cadle of Marion, Guy Casper of Cypress, Harold Dycus of Carbondale, Archie Hamilton of Ava, Harry W. Kuhn of Steeleville, Timothy W. Reeves of Dongola, Dale A. Smith of Cutler and Robert Tiberend of Benton. All will serve one-year terms.

The four newly elected directors replaced three who retired from the SIPC board and a fourth, Roger C. Lentz of Eldorado, who died suddenly March 5. Lentz, who was manager of Southeastern for 24 years, served on the SIPC board for 21 years and was president of the SIPC board from 1975-77 and 1981-83. The three retiring directors — Orrie Spivey of Elizabethtown, Milo Thurston of Pulaski and Bob J. Ury of Jonesboro —

received plaques in appreciation for their years of service to SIPC. Spivey served on the board 13 years, Thurston, 18, and Ury, two. Thurston served as president of the board twice, 1973-75 and 1979-81.

Following the annual meeting, the board reelected officers: Hamilton, president; Casper, vice president, and Tiberend, secretary-treasurer.

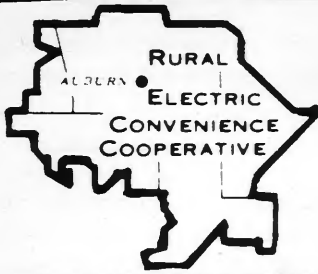
SIPC is a generation and transmission cooperative made up of three Southern Illinois distribution electric cooperatives: Egyptian Electric Cooperative Association, Steeleville; Southeastern Illinois Electric Cooperative, Eldorado, and Southern Illinois Electric Cooperative, Dongola. SIPC serves approximately 37,000 meters in a 19-county area. Present generating capacity of SIPC's plant is 272 megawatts.

about 3 percent, he said, and the average cost of coal burned dropped from \$23.17 to \$20.93 per ton.

Four new directors were elected to the 12-person board of directors: George R. Inman of Grand Chain, W.



*There are four new directors on the board of Southern Illinois Power Co-operative. From left are: Kenneth R. Webb of Tunnel Hill, W. B. Pulliam of Galatia, Lawrence Wilke of Karnak and George R. Inman of Grand Chain.*



# Rural Highlights

Board of Directors: Stanley Otten, President; Robert Burtle, Vice President; Herbert Niemeyer, Secretary-Treasurer; Harold W. Peper, Asst. Secretary-Treasurer; Gary Skaggs, Stanley Rich, Harold Bruntjen, Dale Wilcox, Lynn Johnson and Roy D. Goode, Manager.

RURAL ELECTRIC CONVENIENCE COOPERATIVE CO.

217-438-6197

AUBURN, ILLINOIS

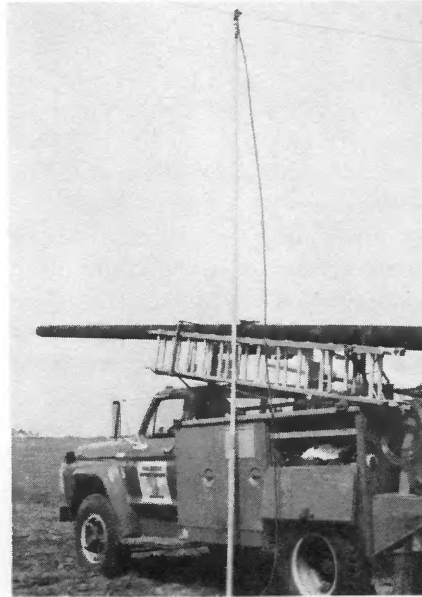
## RECC striving for more dependable service

We are sure you all remember the Easter ice storm of 1978 that destroyed 70 percent of your Cooperative lines.

The line crews of your Cooperative are still replacing miles of old conductor lines with new.

Many of the lines had been up in the air for over 40 years of service. When the ice storm laid them on the ground, it left many weak spots in the conductors. The old lines were put back up after the storm so service could be restored to the member as soon as possible.

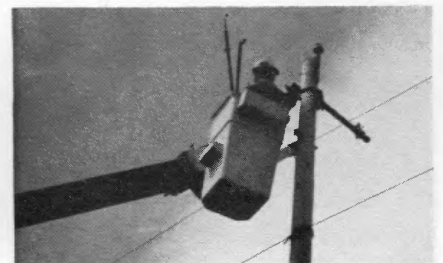
But, since the ice storm, many miles of line have been replaced with new conductors. Your Cooperative line crews are continuously replacing and upgrading your Cooperative's 1,300 miles of line so members will have good reliable service at all times.



*The trucks are grounded to the neutral wire for the safety of the men while working on the high voltage lines.*



*Crew foreman Gerald Humke, an employee of your Cooperative for 34 years, has worked many ice storms.*



*New line conductors are replaced without interrupting service.*



*When replacing the conductor wire all poles are inspected. The bad poles are replaced.*



*Ice storms do not affect the lines that are underground. But, the underground crews still have maintenance work to do when someone cuts through the wires or new additions to homes require moving or extending the underground service.*

# Minimizing problems with stray voltage

There is a known phenomenon in the area of electronics whereby unproductive low value voltage is detected on surrounding metal things where it may or may not cause problems. This condition, which has been called by such names as stray voltage, neutral-earth voltage, earth currents, or tingle voltage, will always be present as long as we use grounded electrical systems. The problem becomes more pronounced when there is a high demand for 115 volt electricity, or when wiring, devices or equipment are defective. Also, when the earth is dry and wires are carrying heavy currents, voltages may develop between ground rods and other points of earth. It is not uncommon to measure 10 volts on some ground rods when dry, yet 1/2 to 1 volt may be the case when the earth is wet.


Good grounding reduces the unwanted or stray voltage problem. Good grounding means installing a ground rod that is interconnected to the utility grounding system at all major buildings, and the bonding of all metal parts of buildings, fixtures and equipment to assure that all metal will all be at the same voltage potential.

We stress following the National Electrical Code, Article 250, to strive for maximum protection in the case of electrical faults in consumers' systems as well as from outside sources. The mobile home industry stresses that the 4th wire in the feeder circuit be properly connected so that the safety ground will carry any stray currents from faults.

## Think ahead

Electricity is one of the few things we use before we pay for it. We pay for a loaf of bread before we make sandwiches; we buy clothes before we wear them. On some things we make installment payments while we use them, but we know how much and how long payments will be.

Electricity is different. When the bill comes, the power has already been



## Earn Up to \$800 REBATE

### When You Update Your Heating System!

Gain the safety, comfort and convenience of electric heat when you install the high-efficiency heat pump or other electric heating system. If you've been planning to upgrade your home's comfort conditioning system, now is the time. Earn valuable rebates on your investment and start enjoying the safety and convenience of electric living . . . now.

Rebates available only to members of Rural Electric Convenience Cooperative. Rebates can be earned for any qualifying electric equipment installed after May 1, 1984:

	REBATE
<input type="checkbox"/> New or Remodel Home to Total Electric . . . . .	\$800.00
	(Payable \$400.00 per year for two years)
<input type="checkbox"/> Heat Pump . . . . .	400.00
<input type="checkbox"/> Electric Water Heater . . . . .	50.00
<input type="checkbox"/> Base Board or Ceiling Cable Heat, per room . . . . .	50.00
<input type="checkbox"/> Electric Room Heater, each . . . . .	50.00

Call now for more information on your cooperative's rebate program or for information on clean, safe electric heat. Or send us your name and address and we'll contact you.

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone \_\_\_\_\_

**Rural Electric Convenience Cooperative Co.**  
 P.O. Box 9, Auburn, IL 62615 Telephone: 438-6197

(NOTE: To ensure that you qualify for any rebates, be sure to contact your electric cooperative before beginning work on your electric heat additions.)

used. If we bought more than we meant to, it's too late to do anything about it - we can't put some back.

We all need electricity to maintain our homes and lifestyles. It's a necessity, but it is almost too convenient. It works for us even while we're away from home - keeping the house comfortably warm or cool, heating water,

and cooling food. It is so convenient, so automatic that we may forget all those kilowatt-hours necessary to keep this quiet, efficient servant working.

The key to using electricity efficiently is awareness: that we are using electricity constantly and sometimes needlessly, that the meter is diligently measuring our energy usage.



American agriculture. And here, too, people of great vision imagined how life could be made better through agricultural research, education and public service.

"In 1850," Campbell reminded his audience, "another farsighted pioneer, Jonathan Baldwin Turner, told an audience, 'Before you send your scholars soaring off to Athens and Rome, be sure they first know how to plant beans and harness horses.' Mr. Turner's counsel was to put priorities in proper perspective: to feed the people first."

Turner, who had lobbied for years for a land-grant college in Illinois, finally struck a responsive chord in another forward-looking Illinois man, Abraham Lincoln, who signed such legislation in 1862.

Campbell noted that George Morrow, the first dean of the college, had established 10 small plots of land for agricultural experimentation. These plots, set out in 1876, were the first such test plots in the United States. They enabled early day students to study the effects of soil fertilization and crop rotation, and experiments in plant breeding could be watched carefully.

"Nearly 65 years ago," Campbell noted, Professor E. W. Lehmann began his pioneering efforts here to bring electricity to rural America.

"Today," Campbell said, "we have come together to dedicate an Agricultural Engineering Sciences Building constructed on some of the original Morrow test plots. It is most right that our newest facility for agricultural research and education has its foundations in our oldest beginning."

Campbell suggested that the new structure is as much a bridge as a building — a bridge to twenty-first century agriculture, spanning the gap between present day farming and high-technology agriculture.

"Now we stand at another frontier," he said, "and our aim remains the same as it has been — an abundant, safe, economical food supply. But now we use research techniques such as lasers and microprocessor controls, computer modeling, and genetic engineering. And because we have become more aware lately of the delicate balances that exist in Nature, and of the limits of our resources, we are developing programs to reclaim waste products and reduce our dependence on fossil fuels."

A first class building, the dean added, does more than just house laboratories and span eras, as important as those functions are. "Just as surely as bees are attracted to succulent flowers, scholarly students and faculty are attracted to well-equipped laboratories and classrooms. The Agri-

cultural Engineering Sciences Building will enhance our efforts to attract and retain talented, future-oriented, top-of-the-line human resources," he said.

The dollar per citizen investment Illinoisans have put into the structure will be repaid handsomely, if history is any indication, Campbell said.

"Post-harvest technology holds great promise for Illinois agriculture and the state's economy in general — in the form of value-added products," he explained, adding, "the countries of the European Common Market are wiser than us in this respect. While we export raw agricultural products, they process, then export them, keeping jobs at home. We need to be doing more of that here."

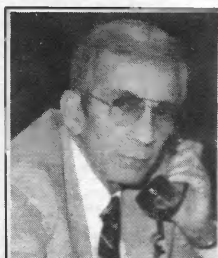
"While the economic benefits of exporting raw agricultural commodities have been enormous, a still greater potential exists for the export of processed products. A recent study by the U.S. Department of Agriculture estimated that \$1 million worth of corn generates \$44 million in total sales if the product is exported as dressed poultry. The conversion of that corn to poultry was also estimated to generate more than 1,150 jobs and provide \$9.3 million in additional income. Clearly, the development of export markets for value-added products has substantial economic significance for Illinois."



*Left: Many alumni and well-wishers attended the dedication and open house. Here, Wm. David Champion, manager of Illini Electric Cooperative, left, and Roger R. Yoerger, center, head of the Department of Agricultural Engineering, visit with an unidentified participant in the ceremony. Right: Several dignitaries were on hand to cut the ribbon at the new building's entryway. From left are: Stanley O. Ikenberry, U of I president; Governor James R. Thompson; John E. Cribbet, chancellor, U of I at Urbana-Champaign; John R. Campbell, dean, U of I College of Agriculture; Larry Werries, Illinois Director of Agriculture, and Orville Bentley, assistant secretary for science and education, USDA. William S. Forsyth, Jr., president of the U of I board of trustees, is directly behind Ikenberry.*

# CURRENT LINES

## from cooperative managers



Bill LeCrone, Manager  
**Shelby Electric**

Shelbyville, Illinois

Recently I received a telephone call from one of our members asking why one of the Co-op trucks was at their house reading their meter. They read their meter correctly and mail the payment in promptly.

About two years ago, we instituted a program of reading a substation area each month. Percentage-wise, we find very few discrepancies in the readings.

Here is what we found in one substation area a few months ago: An area with 968 members had a difference of enough kilowatt-hours to amount to \$2,044.29. This is only one of 13 substation areas.

We will continue to read an area each month.

We are pleased to announce the results of the 1984 "Trip to Washington" Essay Contest. On April 25, we sponsored the six finalists of the contest to attend "Illinois Rural Electric Youth Day" activities in Springfield. The day was sponsored by the Association of Illinois Electric Cooperatives, and included a guided tour of the Governor's mansion, tours to Lincoln's home and the Old State Capitol. All finalists from the state were honored at a luncheon at which Representative Thomas Ryder spoke on the opportunities facing the young people of today. Following the luncheon the young people had the opportunity to see the Illinois House and Senate in session, and to visit the State Museum.

The following six high school juniors and sophomores presented their essays "How Members Benefit from Ownership of their Electric Cooperative" at the final judging held on May 2: Kathy Storm, daughter of Mr. and Mrs. W. C. Storm of Stewardson; Aaron Jostes, daughter of Mr. and Mrs. Bill Jostes of Herrick; Melody Crickman, daughter of Mr. and Mrs. Gene Crickman of Findlay; Tracy Logsdon, son of Mr. and Mrs. Tracy Logsdon of Cowden; Carol Kaufman, daughter of Mr. and Mrs. Wilbert Kaufman of Sigel, and Joe Dunaway, son of Mrs. Mary Dunaway of Findlay.

After careful deliberation by the judges, the following winners were announced: Kathy Storm and Melody Crickman. Aaron Jostes was named runner-up.

This year's contest received 54 entries from seven different schools. We feel that every effort put forth was an excellent one. Much effort and study went into each and every entry received. We are grateful to all the students who

entered this year; and also grateful to the many high school English instructors who support our contest.

The two winners will leave on June 8 for an all-expense-tour to Washington, D.C., where they will join students from approximately 30 other states for the activities of "Rural Electric Youth Week." We feel this tour is one of the very finest available to the young people in the United States today; and we are pleased and proud to be able to sponsor these two winners.

Your Cooperative's annual meeting will be held Thursday, June 28, and we hope you will make plans to attend.

As in recent years, the meeting will be held at the Shelby County 4-H Fairgrounds, located just west of the Cooperative office on Route 128 in Shelbyville.

The meeting format used in the last few years has helped to produce an increasing attendance. We plan to begin the meeting with a fried chicken dinner, with serving to begin at 11 a.m. Even with the anticipated large turnout, we hope to complete lunch by 12:45 p.m. The business meeting will begin at 1 p.m. and will last until about 3 p.m. The business office will be closed from 1 to 3.

A few days before the meeting you will receive the official notice. In it will be a reservation card for the lunch. Please return it to our office so that we can plan for the proper amount of food.

There will be an attendance prize for all who attend, and there will be many awards to be given away at the close of the meeting.

We look forward to seeing you on Thursday, June 28, at your Cooperative's annual meeting.



Roy D. Goode, Manager  
**Rural Electric**

Auburn, Illinois

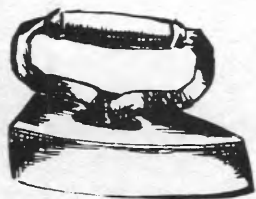
### ELECTRIC GRAIN DRYING

Your Rural Electric Convenience Cooperative board of directors has adopted a special rate for electric heat grain drying. This rate will be available to members who will be drying with electric heating elements during off-peak hours. This will offer savings to you through your grain drying operation.

The off-peak hours will be from 10 p.m. to 10 a.m. Monday through Friday and during the weekend from 10 p.m. Friday through 10 a.m. Monday. The special rate also will apply during the following holidays: New Year's Day,

ILLINOIS RURAL ELECTRIC NEWS

# When the 'good old days' got better



To the women who wrestled with it, the "sad iron"

was appropriately named. It was a seven-pound wedge of iron that was heated on a wood-burning stove and used to press clothes. Ironing with it sometimes meant painful burns, soot-blackened clothes that had to be washed again, and a hot, stifling kitchen on a summer day.

Small wonder that many rural women had their eyes on electric irons as well as light bulbs when electric cooperatives began stringing lines in their direction during the late 1930s. At that time, most rural women were tied to the wood range and washboard and to a number of other chores that were done by hand as they had been done since colonial times.



Without electricity, they didn't have the benefit of lights or a wide range of electric appliances . . . sewing and washing machines, ranges, toasters, refrigerators, and fans . . . that their city cousins had been using for 10, 20, 30 or even 40 years and more.



Electricity brought more than efficiency, comfort and convenience to rural homes once beset by the endless drudgery of household chores. It helped move a darkened countryside into the light of the 20th century . . . improving significantly the lives of rural

women and their families. That's why the electric cooperatives were organized. That's the reason they continue to serve their members today.

Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Your Cooperative will provide the member with a time-of-day meter and meter base that will be installed at your grain operation. The time-of-day meter is programmed to register the kilowatt-hours used during the off-peak hours. The rate during off-peak hours will be 3.1 cents per kwh in comparison to 6.09 cents per kwh during peak load hours. This will mean a savings to the user and also cut down loads during peak demands of the Cooperative system.

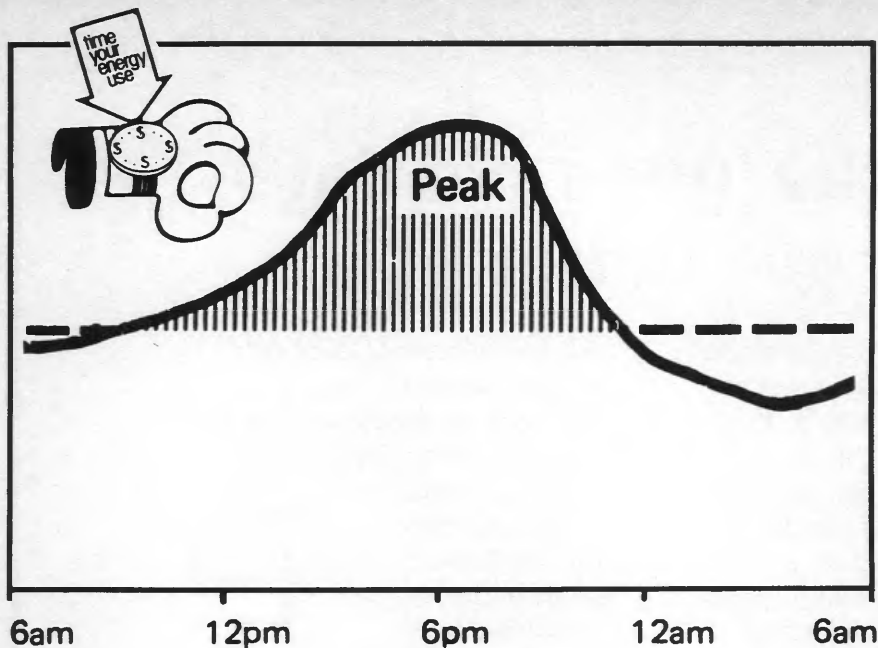
If you feel this would mean a big savings in controlling the cost of your drying system, please contact your Cooperative. We will be happy to work with you on this time-of-

day metering system and offer any information you may need to adapt your present system. Air drying through the day and controlled electric drying at night, at a special rate, would be a plus for you and other cooperative members.

### UPGRADING

We are still rebuilding the line system of your Cooperative since the ice storm of 1978. We are replacing poles and old conductor wire with new. This must be done to maintain good reliable service to you, the member, and also to meet the demands for new construction and load growth in the future.

To keep rural America strong, reliable electric energy has to be available 24 hours a day.



## It's 'peak alert' time

Most consumers are familiar with the term "peak demand" and have some general idea that it affects the cost of electric service. But just what is peak demand and how does it work to drive up the cost of providing electric service today?

Peak demand is, very simply, the greatest use of electricity in any given period. Every day has a peak demand, every month, every year. In some cases, the peak demand doesn't get very high at all; demand for electric power stays fairly constant.

But sometimes, especially during hot summer afternoons and evenings, peak demand skyrockets. That's when it becomes a concern.

The concern isn't in whether the demand can be supplied; usually a utility has enough generating capacity to meet the demands of its consumers. The real concern is in the cost of supplying peak demands. Because different kinds of generating plants, using different kinds of fuel, are used for different needs.

For instance, there are some large generating plants which produce great quantities of electricity almost all the time. These are termed "base-load" plants. They are capable of operating on a 24-hour-per-day, seven-day-per-week basis, and can satisfy the typical

demands for electricity. Because of the size of these plants, they are more expensive to construct. But they also use the lowest-cost fuels, such as coal and nuclear fuel, and thus are less expensive to operate on a day-to-day basis. These plants are also the most reliable, efficient generating stations on a system.

During times when base-load generation isn't quite enough to satisfy electric demand, "intermediate" plants are put into service. These are often older generating plants which once served as base-load capacity, but through age and technological advancements are now less efficient than newer generating facilities. These intermediate plants often use fuels such as coal, oil, and gas. They are often run at half capacity, rather than at full production capability, just to make up the difference between demand and base-load production.

When demand becomes very high, "peaking plants" are put into service. These units usually operate on expensive oil or diesel fuel. They rarely generate large quantities of power, but they have one great advantage over intermediate and base-load plants due to the fuels used, they can go "on line," or begin generating, almost at a moment's notice.

Getting the generating equipment operating and producing electricity quickly is a very important factor in meeting peak demand, because sometimes demand increases very rapidly, and failing to meet it could cause an entire system to go into blackout. But it can also be a very expensive element in the cost of producing electricity, especially operating oil or diesel units.

These peaking plants are used only during times of excessive demand, or when another major unit fails. But, much like an automobile that is only driven on Sundays, that unit still has to be paid for, in full. And those fuels — oil and diesel fuel — which allow quick start-up at critical times are also the most expensive fuels to use in generating electricity.

Peak demand also makes it necessary for transmission lines and substations to be able to deliver enormous amounts of electricity when necessary, although that ability isn't always needed. Allowing for that added capacity makes the planning, design and construction of these facilities more expensive.

It's all reflected in power costs. Until the past decade, the cost of meeting peak demand was not as high because the fuels used were much less expensive, and the demand itself was not as great.

But every year demand, and costs, increase. These costs will continue to grow as oil-based fuels become less available and more expensive. Fuel costs ordinarily make up as much as 50 percent of a utility's operating expense; when those fuels include natural gas and oil, that percentage can increase drastically.

You can help avoid contributing to peak demand and help your cooperative control costs by controlling electric use throughout the day. What happens between 10 a.m. and 10 p.m. on hot days this summer could greatly affect your electric rates next year. Controlling your own use of electricity by using only one major appliance at a time during those hours is one contribution you can make.

A little effort now during warm weather can make a big difference in your future power costs.



ship is to promote student interest in household equipment and energy consumption in preparation for careers in general home economics, consumer economics, home economics education and Cooperative Extension.

Undergraduates at the University enrolled in the School of Human Resources and Family Studies who have at least 60 hours of credit and who have a professional interest in the area of studies stipulated by the Mamer family are eligible to receive the scholarship. Marilyn M. Dunsing, acting head, Department of Family and Consumer Activities, says that second-year students at the University are encouraged to apply, and that transfer students from junior and community college or other four-year institutions are eligible to apply.

Selection is based on three principal criteria: academic aptitude, potential for contribution to the home economics profession, and enrollment in or completion of specified courses or participation in the activities of the Association of Illinois Electric Cooperatives.

Persons interested in applying for the scholarship should write to: Director, School of Human Resources and Family Studies, 274 Bevier Hall, 905 South Goodwin Avenue, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801.

Louisan Mamer eventually took on the job of showing rural homemakers how to get the most out of the new electrical appliances that were going out into the countryside behind the crews who were stringing line and wiring houses. She spent 45 years at REA, and retired in April 1981.

During her career with REA, thousands of people from throughout the Midwest learned about the efficient use of electricity at "REA circuses."

The "circuses," which were more properly known by the less colorful term "REA Farm Show," consisted of a traveling appliance and farm equipment show carried in a 28-foot trailer and a truck. Louisan pulled the trailer across Iowa, Illinois and Nebraska with her dark blue 1936 Ford convertible, conveying along with the truck, which carried the farm equipment side of the "circus."

# WaterFurnace<sup>®</sup>

## SYSTEMS

\* Trade Mark of WaterFurnace International, Inc.

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

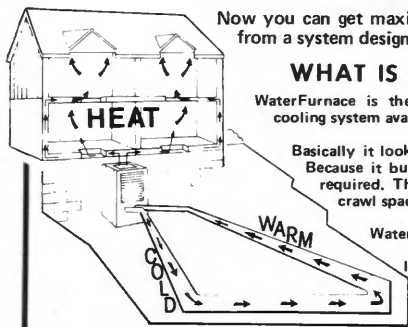
### WHAT IS A WATERFURNACE SYSTEM?

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

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

WaterFurnace is a complete home heating system.

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



HORIZONTAL OR  
VERTICAL CLOSED LOOP

The Natural Energy Source  
EARTH COUPLED HEATING AND COOLING

## ComTec Corporation

Route 1, Box 191A  
Perrysville, Ind. 47974  
317/793-2510

Dealer inquiries also invited

MAIL TO: ComTec Corporation  
Route 1, Box 191A  
Perrysville, Ind. 47974

I am interested in learning more about the WaterFurnace systems.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone AC( ) \_\_\_\_\_

## WE BUILD OLD-FASHIONED CRAFTSMANSHIP INTO YOUR NEW HOME.

Over 35 years of quality building and knowledge goes into each stick-built NORDAAS AMERICAN HOME.

No pre-fab or pre-cut with Nordaas American Homes. We build your home the old fashioned way, board-by-board, with expert crews to do the construction. What's more we'll build to your plan or any of the 1001 plans you select from our files. Free plan service, free delivery of materials within 1000 miles. Send coupon or phone collect for color brochure and list of quality standards. Model home open daily 8-5 & Sunday 1-5

You're always welcome at our office and plant.

### NORDAAS AMERICAN HOMES

Minnesota Lake, MN 56068, Dept. #40-0  
Phone: (507) 462-3331

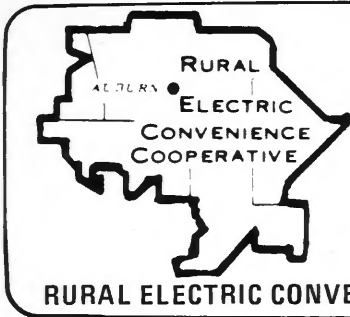


5% OPEN  
HOUSE  
DISCOUNT

Name \_\_\_\_\_  
(Please Print)  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_

Now when you purchase a Nordaas American Home you'll receive a special credit towards light fixtures, NuTone electrical products, carpet, draperies, and furniture. Limited time offer!!!

Save this ad for future discount!



# Rural Highlights

Board of Directors: Stanley Otten, President; Robert Burtle, Vice President; Herbert Niemeyer, Secretary-Treasurer; Harold W. Peper, Asst. Secretary-Treasurer; Gary Skaggs, Stanley Rich, Harold Bruntjen, Dale Wilcox, Lynn Johnson and Roy D. Goode, Manager.

RURAL ELECTRIC CONVENIENCE COOPERATIVE CO.

217-438-6197

AUBURN, ILLINOIS

## Trimming trees a vital job for your Cooperative

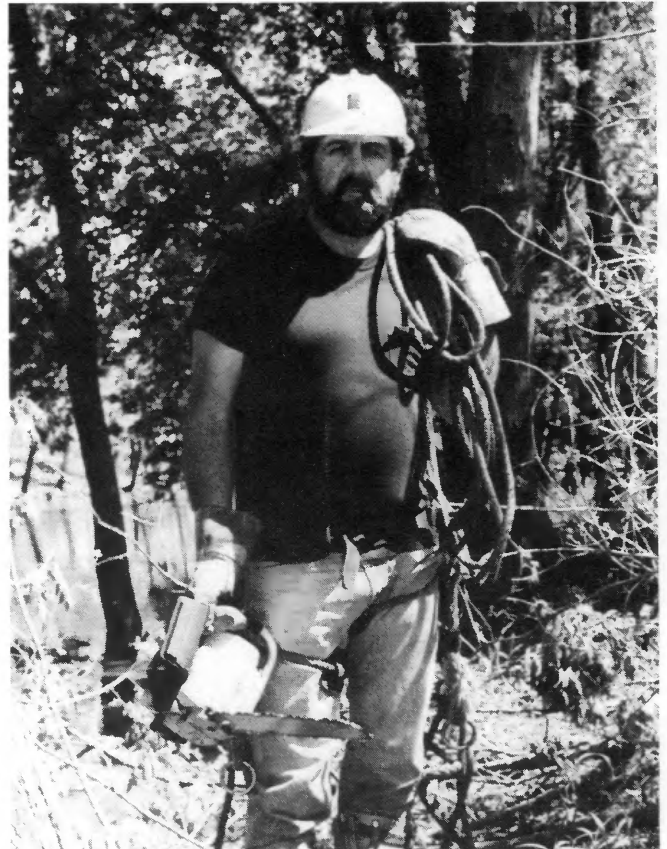
When the wind and dust blows across the fields, we think all of the trees are gone. But there are still plenty left and some of these trees are growing near or into our power lines. These trees have to be trimmed every year to keep them away from the lines so that outages will not occur from limbs shorting out the lines.

Trimming trees is a big expense to our Cooperative but it has to be done to assure reliable service to our members.

Your Cooperative has a truck equipped with a 60-foot boom that is used for most of the tree trimming. A chipper is also used to clean up the material that has been trimmed. Each of our line trucks also carries a small power saw and tree trimming equipment.

James A. Smith, journeyman lineman for the Cooperative, has done most of the tree trimming for many years. Before the truck with the boom was available the trimming was done by climbing the trees, which required many hours of labor. There are some places along the system that cannot be reached with the boom truck and still have to be trimmed by climbing the trees.

In the future when you see the Cooperative's boom truck with the boom high in the air, the man in the bucket will be Jim Smith using his tree trimming equipment.



*Jim with his gear ready to climb*



*Jim half way up*



*In position to start trimming*



*Finishing off the top*

# Off-peak drying rate available

Your Cooperative now has a special rate for electric heat grain drying, available to members who will be drying with electric heating elements during off-peak hours. This will offer savings to you through your grain drying operation.

The off-peak hours will be from 10 p.m. to 10 a.m. Monday through Friday and during the weekend from 10 p.m. Friday through 10 a.m. Monday. The special rate also will apply during the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Your Cooperative will provide the member with a time-of-day meter and meter base that will be installed at your grain operation. The time-of-day meter is programmed to register the kilowatt-hours used during the off-peak hours. This special rate will be 3.1 cents per kwh in comparison to 6.09 cents per kwh during peak load hours. This will mean a savings to the user and also cut down loads during peak demands of the Cooper-

ative system.

If you feel this would mean a big savings in controlling the cost of your drying system, please contact your Cooperative. We will be happy to work with you on this time-of-day metering

system and offer any information you may need to adapt your present system. Air drying through the day and controlled electric drying at night, at a special rate, would be a plus for you and other cooperative members.

## Saving energy in the kitchen

Avoid cooking foods that are solidly frozen. Let them thaw in the refrigerator first.

\*\*\*

Always wash full loads in automatic dishwashers.

\*\*\*

Divide a skillet with foil inserts when warming up several small quantities of leftovers. Only one burner will be used and fewer pots need washing.

Turn off lights, radios, and other appliances when leaving the room for any length of time.

\*\*\*

Use cold water when rinsing your hands. Most hand soaps will work well with cold water. Also, do as much household cleaning as possible, including rinsing dishes, with cold water.

\*\*\*

Repair leaky faucets promptly. One drop a second can waste as much as 60 gallons of water in a week. If it's hot water, you're paying to heat it, and then it goes down the drain.



## Earn Up to \$800 REBATE

### When You Update Your Heating System!

Gain the safety, comfort and convenience of electric heat when you install the high-efficiency heat pump or other electric heating system. If you've been planning to upgrade your home's comfort conditioning system, now is the time. Earn valuable rebates on your investment and start enjoying the safety and convenience of electric living . . . now.

Rebates available only to members of Rural Electric Convenience Cooperative. Rebates can be earned for any qualifying electric equipment installed after May 1, 1984:

	REBATE
<input type="checkbox"/> New or Remodel Home to Total Electric . . . . .	\$800.00 (Payable \$400.00 per year for two years)
<input type="checkbox"/> Heat Pump . . . . .	400.00
<input type="checkbox"/> Electric Water Heater . . . . .	50.00
<input type="checkbox"/> Base Board or Ceiling Cable Heat, per room . . . . .	50.00
<input type="checkbox"/> Electric Room Heater, each . . . . .	50.00

Call now for more information on your cooperative's rebate program or for information on clean, safe electric heat. Or send us your name and address and we'll contact you.

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone \_\_\_\_\_

### Rural Electric Convenience Cooperative Co.

P.O. Box 9, Auburn, IL 62615

Telephone: 438-6197

(NOTE: To ensure that you qualify for any rebates, be sure to contact your electric cooperative before beginning work on your electric heat additions.)

# See one of these participating Butler Agri-Builders® today.

**ARCOLA**

Humboldt Bin Company  
217/268-4864

**ATHENS**

Muller Agri-Service  
217/636-7186

**ATLANTA**

J.P. Harvest Systems  
217/648-2913

**BENSON**

Benson Builders & Lumber, Inc.  
309/394-2418

**CAMBRIDGE**

Nelson Farm Service  
309/937-5779

**CENTRALIA**

Gus Unverfehrt Farm Supply  
618/493-7357

**CHAPIN**

Kolberer Agri Services  
217/472-8411

**DAKOTA**

Yeoman Equipment Sales  
815/449-2572

**DALLAS CITY**

Ron Sutton Construction  
217/852-3457

**DEER GROVE**

Cady Grain Company, Inc.  
815/438-5561

**DIXON**

Melzer Bins & Buildings  
815/288-5242

**ELLIOTT**

B & H Construction, Inc.  
217/749-2552

**FARINA**

Blomberg Brothers, Inc.  
618/245-6321

**FLANAGAN**

Reinhardt Sales Company  
815/796-2296

**GIFFORD**

Huls Electric  
217/568-7174

**GORHAM**

Martin Twenhafel Sales  
618/763-4448

**INGRAHAM**

Tri-County Milling  
618/752-5151

**MANTENO**

Fredricks Construction Systems  
815/468-3557

**METROPOLIS**

Stratemeyer Farm Service  
618/564-2171

**MINIER**

Huffman Farm Supply  
309/392-2454

**MONMOUTH**

S & B Construction  
309/734-4278

**MORRIS**

C.W. Lamping Construction, Inc.  
815/942-4474

**MT. MORRIS**

Holley's Agri-System  
815/734-4119

**OBLONG**

Musgrave Bin Company  
618/592-3507

**OLNEY**

York Building Company  
618/395-3093

**OTTAWA**

Grieves Construction Co.  
815/433-0744

**PITTSFIELD**

O.B. Dell & Son, Inc.  
217/285-5555

**RIDGE FARM**

Yard Storage  
217/247-2790

**ROCKBRIDGE**

Wagner Seed & Supply  
618/753-3535

**ST. JACOB**

Bergmann-Taylor Seed  
618/644-5522

**STRASBERG**

York Bin Company  
217/644-2270

**TOULON**

Musselman Builders  
309/286-3982

**URSA**

Duane Shaffer Builders  
217/964-2337

**VARNA**

Garlin Agri-Service, Inc.  
309/463-2310

**WATERLOO**

Monroe Service Company  
618/939-7191

**WEST UNION**

Larry Lindley Construction  
217/826-2280

building. Also, install enough light switches and motor controls for convenient operation.

No matter how carefully you plan, there are always changes in technology or changes in the operation that make it necessary to expand and revise an electrical system. For this reason, do not begin by installing circuit distribution panels that are only large enough for present electrical loads. Allow some room for expansion.

Design electrical systems for easy maintenance. For example, locate lampholders so that bulbs can be easily changed; and locate motors and fans so that they can be easily disconnected for repair and maintenance.

Finally, install the electrical system carefully so that the appearance of the finished work is a credit to the farming operation as well as to the person who installed it.

Most rural areas have no electrical inspection of either new construction or remodeled buildings. In most cases the only inspection is by a representative of the insurance company after the work is done. Before hiring an electrician discuss his workmanship with other producers and your insurance man. Sometimes the lowest bidder is the most expensive over the long run. All too often, the individual who wires a confinement building is either unfamiliar with the type of equipment needed or does not know where to purchase the proper wiring materials. Be sure that the electrician you choose has skills that match your needs.

Electrical installations and equipment should be in accordance with the National Electrical Code and any local codes. Particular attention must be paid to Article 547 in the code concerning agricultural buildings. Although there are five environments listed in Article 547 that create unique problems for electrical installers, the environments of primary concern have a high dust level from litter, feed or feathers as well as a high moisture level and a corrosive atmosphere brought about by vapor from manure.

The equipment used in environmentally controlled livestock buildings presents a new set of problems to most electrical installers. These buildings are classified as "damp" or "wet" loca-

tions. To be suitable for use in these locations, wiring must seal out dust and moisture.

The recommended practice today is to use type UF (underground feeder) cable rather than type NM cable in wet

Table I. Support Spacing for Rigid, Nonmetallic Conduit

Diameter	Maximum Support Spacing
.50-1 inch	3 feet
1.25-2 inch	5 feet
2.50-3 inch	6 feet
3.50-5 inch	7 feet

areas. UF cable is approved for use in wet locations while NM is not. Mount the cable on the surface for ease of maintenance and inspection rather than enclose it in attics or inside walls. Secure the cable within eight inches of each box and at two-foot intervals on horizontal surfaces and three-foot intervals on vertical surfaces. Use nonmetallic cable straps with stainless steel nails to secure the cable, and mount the cable so that it follows the surfaces of structural members such as studs and trusses.

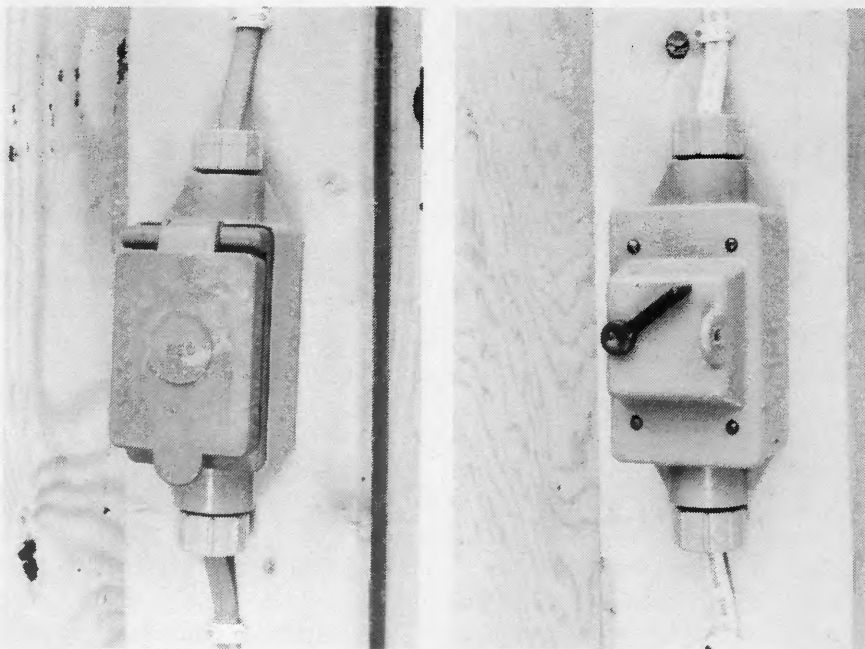
Locate the cables so that they are not subject to contact by animals or exposed to mechanical damage. Also, be sure not to make sharp bends in cables. In fact, the radius of the bend should be at least five times the diameter of the cable. Install switches

so that they open the ungrounded (hot) conductors. Use care when removing the outer covering from the UF cable so you do not slit the insulation on the wires. Be sure all splices are properly insulated and enclosed in boxes. Use approved, moisture-tight, non-corrosive boxes with gasketed covers and connectors that seal tightly to prevent moisture, dust, insects and rodents from entering.

In some cases, conduit must be used for mechanical protection or where multiple wires are needed, as in motor control systems. However, do not use metal conduit and boxes because they will corrode in the wet environment of a livestock confinement building. Instead, use Schedule 80 rigid, nonmetallic conduit and nonmetallic boxes.

Rigid, nonmetallic conduit and nonmetallic boxes eliminate the corrosion problem. There have been some problems, however, with sagging of nonmetallic conduit. The data in Table I indicates the maximum support spacing for use of Schedule 80 rigid nonmetallic conduit.

Several brands of corrosion-resistant, watertight boxes and cord and cable connectors that will seal out moisture and dust are available. These items may be difficult to locate in electrical stores but can be purchased through electrical wholesalers.



UF cable entering dust- and water-tight, nonmetallic boxes in corrosive environments must be secured to structure within eight inches of box.

# CURRENT LINES

## from cooperative managers



Bill LeCrone, Manager  
**Shelby Electric**

Shelbyville, Illinois

### What to do for your family and home if the electricity goes off

Electric service is one of the most dependable items you can buy. Rarely will you find anything else as reliable. But there are unusual times when the electricity goes off.

A power outage can last only a few minutes resulting in some minor inconvenience. Or it can last for days and become a critical problem.

Sometimes a power outage is caused by lightning striking the electric lines, trees falling across wires during a storm or cars ramming into utility poles. A more serious type of outage occurs when severe thunderstorms and tornadoes snap poles and tangle electric lines. But probably the worst of all outages is caused by ice. Usually the most widespread and the most difficult to repair, an ice storm outage leaves your home and family vulnerable to freezing cold temperatures.

Regardless of the type of outage experienced, consumers should be able to cope with the situation. Let's review some helpful information which can help make an electric power outage more bearable.

#### ALWAYS HAVE ON HAND

1. Flashlight with fresh batteries
2. Matches
3. Candles
4. Portable radio with fresh batteries.

#### EXTENDED OUTAGE — SUMMER

1. Keep refrigerator and freezer door closed. If thawing begins, put wet or dry ice in if it is available.
2. A picnic cooler is handy to store ice and luncheon meats in. Should your refrigerator completely thaw out you can at least have sandwiches.
3. If necessary, cook in a fireplace, over a barbecue grill or on a camp stove. Use a grill or stove outdoors to avoid the danger of fire or toxic fumes.
4. Open windows and doors for ventilation to keep the house from becoming hot and stuffy.

#### FIRST THINGS TO DO

1. Check to see if your neighbors' lights are off.
2. Check fuses or breakers in your switchbox panel.
3. If fuses or breakers are alright, call your electric cooperative. Give your address, location number and tell how long the power has been off. This will help your electric cooperative's emergency work crews determine the extent

of the outage and aid in speeding repair service.

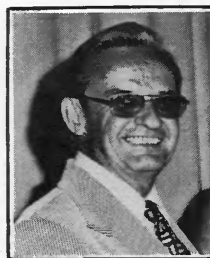
#### EXTENDED OUTAGE — WINTER

1. Wrap up in your warmest clothes. Wear several layers of clothing rather than one or two bulky garments. Thermal underwear helps.
2. Keep the refrigerator and freezer closed. If the outage lasts until food starts to thaw, put the food outside in a shaded place. Be sure the temperature is cold enough to permit this. Be sure food is protected from birds, dogs, etc.
3. In extreme cold, fill all available containers with drinking water, then drain the pipes in your house to prevent their freezing and bursting.
4. Maintain an adequate supply of fuel for cooking on your fireplace, grill or camp stove.
5. Cook in the same manner as you would during a summer outage, but be mindful of dangerous fumes.
6. Keep canned goods with a long shelf life on hand to eat during the emergency outage. Soup, chili and stew, for example, are simple to prepare and provide warmth as well as nourishment.

#### POWER BACK ON

Once the electricity is on again, turn on the appliances that you had previously turned off if they are needed.

Resume normal living, making a note to restock the supplies that you'll need should another power outage occur.



Roy D. Goode, Manager  
**Rural Electric**

Auburn, Illinois

Your cooperative's 47th Annual Meeting this year is being held at the Girard Grade School on August 25. Three board members are to be elected. Districts 4, 5 and 6 will have members elected for directors' positions.

The nominating committee met July 11 and made the following nominations for the three districts which you, the member, will have the privilege to elect at your annual meeting.

District 4 has been served by Director Harold Peper for 12 years. Mr. Peper requested that he not be nominated for director of District 4 this year.

The nominating committee nominated Joseph Alford, RR 2, Box 88, Girard, as the candidate for District 4.

District 5 has been served by Dale Wilcox, RR 2, Waverly, as director for the past three years. He has been nominated by the committee for the coming election.

District 6 has been served by Stanley Rich, RR 1, Morrisonville, for the past three years. He also was nom-

ILLINOIS RURAL ELECTRIC NEWS



# **Does Your Thinking Run Hot *and* Cold**

## **Think About the Add-On Heat Pump!**

It's easy to think about heat in midsummer . . . since the sun provides so much of it. That's also when you should think about the electric add-on heat pump. Because it removes unwanted heat . . . cooling your home just like a central air conditioner.

And while you're on the subject of heat, you might as well be thinking about efficiently putting it back into your home this winter. Because the versatile add-on heat pump can do that for you, too. This highly efficient system can take over about 75 percent or more of the heating duties from your less-efficient forced-air furnace. On days that are too cold for the heat pump, your furnace provides the heat. It's an economical arrangement that allows each system to operate when it's most efficient.

So, when you've got heat on your mind . . . either taking it out of your home or putting it in . . . think ahead a little. Consider the efficient, versatile add-on heat pump. For more information, contact your electric cooperative. We'll be happy to share our thoughts on the subject.

inated by the committee for the coming election to be held at your Annual Meeting on August 25 in Girard.

There are three methods by which a cooperative member may be nominated for election to the board of directors.

The first method is by nominating committee. Your board of directors appoints a nominating committee. This must be done not less than 28 days nor more than 90 days before the date of the Annual Meeting of members. This committee shall be composed of three members from each of the districts for which a director is to be elected. The committee shall nominate one or more members to serve as a candidate for your cooperative board for each of the three districts for which a director is to be elected. At a set time and date the nominating committee will meet to vote on the nominations that will be placed on the ballots as candidates for election by members. The committee shall also prepare and post, at your cooperative office at least 20 days before the Annual Meeting, a list of nominations for candidates to the board of directors.

Another method for nomination of a member for can-

didate to the board of directors is by petition. Any 15 or more members residing in a district for which a director is to be elected may make other nominations in writing over their signatures. This must be received at least five days prior to the Annual Meeting. If a petition is received after this, the nominee(s) will be as nominations from the floor.

The third method for nomination of a member as a nominee to the board of directors is nomination from the floor. This must take place at the Annual Meeting by a member residing in a district for which a director is to be elected. The nominee must reside within the district for which the nomination is made.

This is your cooperative — you are the owner. Make your voice heard by attending your Annual Meeting on August 25. You elect the board of directors that sets the policies that will keep your cooperative in sound condition.

I am looking forward to meeting with you again at the 47th Annual Meeting in Girard, Saturday morning, August 25.

---

---

# Congress will not approve acid rain controls this year

---

---

Congress has killed, for another year, attempts to control acid rain.

The end of months of emotional debate, political maneuvering and intense lobbying came when the House Subcommittee on Health and the Environment voted 10-9 against the leading acid rain bill. Other proposals have been introduced, but with little time left in this campaign-shortened legislative year, further action is unlikely.

Now the sponsor of the bill, Rep. Henry Waxman of California, and his supporters will have to wait until the 99th Congress convenes in January to reintroduce their proposals to reduce the amount of sulfur oxides in the air.

And Waxman, who chairs the Health and Environment subcommittee, promises he will revive the issue next session. "Acid rain," he says, "is not an issue that will go away."

But proposals such as Waxman's to finance regional pollution control with a nationwide tax on electricity are bound to face stiff opposition next year.

"I'm not implacably opposed to acid rain legislation," said Rep. John Dingell of Michigan, the chairman of the Energy and Commerce Committee, which oversees the Waxman subcommittee. But in voting against Waxman's bill, he called the proposal intolerable, saying, "It is a nationwide financing bill, but not a nationwide control bill."

Central to the acid rain controversy is whether cleanup efforts will work, and who should pay. It has pitted regions of the country against each other, and even has supporters of acid rain control bickering among themselves.

New England contends that the

chief culprits are smokestacks in the industrial Midwest where coal is burned by utilities, steel plants, paper mills and other industries.

According to the U.S. Environmental Protection Agency, the four states with the highest sulfur oxide emissions in 1980 were Ohio, with 2.4 million tons, Pennsylvania and Indiana, with 1.8 million tons each, and Illinois, with 1.3 million tons.

Some Midwesterners say that the astronomical expense of controlling that pollution — possibly as much as \$6 billion a year — outweighs the uncertain effects on fish and trees. New Englanders disagree, saying their multi-billion dollar recreation industry is being threatened, and that the Midwest should pay for the cleanup.

Some researchers say that lowering industrial and vehicle emissions would reduce acid rain, but they don't know enough about the chemical action in the atmosphere to predict where the controls would take effect. In other words, no one knows whether curbing sulfur emissions in the Midwest would reduce acid rain in New England.

For that reason the utility industry, and the Reagan Administration, have called for more research before mandating expensive emission controls.

The nation's 1,000 rural electric cooperatives have urged a go-slow approach. A resolution adopted this year at the annual meeting of the National Rural Electric Cooperative Association notes that a nationwide program could greatly increase the cost of electricity to consumers, and that, "There is no validated scientific basis for assuring that further reductions in emission from coal-fired generating plants will result in meaningful

reductions of acidic deposition anywhere in North America."

Meanwhile, the South, which apparently neither creates nor suffers from acid rain, does not want to help pay for the cleanup. And the West doesn't want to share the cost, arguing that the lower-sulfur coal in that part of the country doesn't contribute to the problem.

Greater use of Western coal has been suggested as a way to lower sulfur emissions, but that could threaten the economy in the Eastern coal-mining region where higher-sulfur coal is mined. United Mine Workers President Richard Trumka says a switch to Western coal would eliminate the jobs of 26,000 coal miners and 61,000 other industrial workers in the four states with the highest emissions.

Most of this year's acid rain control bills reflected at least some of the Midwest's concerns.

Waxman's bill, which attracted the most attention, called for the 50 electric utilities with the highest sulfur emissions to reduce those emissions by six million tons by 1990. This would be achieved by installing filtering devices called scrubbers. All coal-fired power plants built since 1978 have scrubbers, which can account for more than 25 percent of a plant's construction and operating costs.

Under Waxman's bill, 90 percent of the cost of installing scrubbers would have been paid from a \$1 billion trust fund, supported by a tax of one mill (one-tenth of one cent) per kilowatt-hour on all nonnuclear electricity. That tax would have cost the average household about 75 cents a month.

Another bill, sponsored by Reps.



Now...

Save 20%  
on a famous  
TROY-BILT®  
Tiller!

Just  
ONE  
HAND!



© 1984 Garden Way, Inc.

"Off-Season" Savings now in effect! Right now is the best time ever to learn about the amazing TROY-BILT Roto Tiller-Power Composter...the machine that allows anyone — of any age — with any soil — to easily have a fabulously fertile, productive garden! For free complete details, prices, write today to:

TROY-BILT 102nd St. & 9th Ave., Troy, NY 12180

TROY-BILT Roto Tiller-Power Composters  
Dept. A-2258

102nd St. & 9th Ave., Troy, N.Y. 12180

Please send the whole wonderful story of TROY-BILT® Roto Tillers including prices and OFF-SEASON-SAVINGS now in effect for a limited time.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_

A GREAT PLACE TO  
SPEND THE DAY

**EXOTIC  
ANIMAL  
PARADISE**

America's Largest and  
Greatest Drive-Thru  
Wild Animal Park

"Great for all ages"

9½-mile, beautifully landscaped, paved, drive-thru, 400-acre Park, filled with thousands of Wild Animals and Rare Birds from around the world and you see and feed them from the safety and comfort of your own car. Adults, \$5.00; Children under 12, \$3.00. Group rates for 15 or more: Adults, \$4.00; Children, \$2.50. Great for Schools, Churches, Senior Citizens. Only a few minutes' drive from Springfield, Missouri.

Send \$3.00 for your 40-page, full-color Exotic Animal Paradise Park Book, containing pictures and information about our rare and unusual animals . . . as well as what to see and do in beautiful Ozark Mountain Country to:

**EXOTIC ANIMAL PARADISE**  
Rt. 1, Box 270, Strafford, MO 65757  
417-468-2016 or 417-468-2159

# DAMARTS SAVED MY LIFE.

Father Piers Grant-Ferris' true story

**W**hen Father Piers Grant-Ferris disappeared on Mt. Aconcagua he was automatically assumed dead—just one more victim of the notorious 23,831 foot "killer mountain" in Argentina.

But incredibly, the English priest lived to tell the tale of his eight days and nights alone and lost on the highest peak in the new world.

Damart underwear and gloves, he said, saved his life during the ordeal.

"Aconcagua has been called the 'killer mountain' because so many people die on it from the subnormal temperatures," said the mountain-climber priest. "I discovered later that while I was lost on the mountain the temperature had been around -30°. In the whole history of Aconcagua, only a few people have survived out in the open for even one night in such cold conditions but I remained alive for eight days and nights, which



-30° and lost 8 days on  
Killer Mountain.

sional football players like the Pittsburgh Steelers, Buffalo Bills, New York Jets and Green Bay Packers. It's the official cold-weather underwear of the Ladies' Professional Golf Association.

**Completely different from ordinary thermal underwear**

You see, Thermolactyl is a revolutionary man-made fabric available only in featherweight Damart underwear and outerwear. We believe that ounce for ounce, no warmer material is available. Damart holds in over one-third more of your natural body heat than

cotton, wool, even silk. Furthermore, Damart allows perspiration to evaporate so you never feel damp!

Send for **FREE color catalog**

Mail in the coupon below for our new color



catalog of Damart Thermolactyl underwear (and outerwear) for men, women, and children, including tall sizes. Don't wait. Every day you delay is another day to suffer needlessly from the cold this winter!

Next to your skin, there is nothing warmer—nothing!



**Damart**  
Thermolactyl

VISIT OUR STORES IN ALBANY, N.Y.  
AND PORTSMOUTH, N.H. (603) 431-4700

**WHY DAMART THERMOLACTYL  
KEEPS YOU WARMER AND DRIER  
THAN WOOL**

**PERSPIRATION**



Perspiration is absorbed by wool, which then clings to your body, leaving you with that cold clammy feeling.

**PERSPIRATION**



Damarts are made of a non-cellular fabric that does not absorb perspiration but lets it pass through to evaporate away from your body, leaving you feeling warm and dry.

was considered by everyone to be completely impossible.

**"I am perfectly certain that the main reason why I was able to survive the extreme cold was because I was wearing Damart underwear and Damart gloves!"**

This from an experienced mountaineer who had already scaled the peaks of Kilimanjaro in Africa and Mont Blanc in Europe!

Now if Damart protects against certain death in conditions like this, think what it will do for you at work or at play in the coldest weather you'll ever encounter! It is the warmest underwear you can find anywhere in the world! Hour after hour, no matter how cold it gets, no matter how long you have to stay out in the cold.

And it's so comfortable to wear—not at all bulky or constricting. That's why Father Grant-Ferris and other mountain climbers swear by it. As do profes-

© 1984, Damart



**THERE IS NO WARMER UNDERWEAR MADE!**  
Fill out and send to:  
**DAMART, Dept. 10734**  
1811 Woodbury Ave.,  
Portsmouth, N.H. 03805

Yes! Rush me your **FREE DAMART CATALOG** . . . I want to enjoy the fantastic warmth of Thermolactyl Underwear a **DAMART** exclusive. (I understand there is no obligation.)

PRINT NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ZIP \_\_\_\_\_



# Rural Highlights

Board of Directors: Stanley Otten, President; Robert Burtle, Vice President; Herbert Niemeyer, Secretary-Treasurer; Gary Skaggs, Stanley Rich, Harold Bruntjen, Dale Wilcox, Lynn Johnson, Joe Alford and Roy D. Goode, Manager.

RURAL ELECTRIC CONVENIENCE COOPERATIVE CO.

217-438-6197

AUBURN, ILLINOIS

## Alford elected at annual meeting

Joe Alford of rural Girard was elected to the board of directors of your cooperative at its 47th annual meeting Aug. 25 at the Girard High School in Girard. He replaces Harold W. Peper, also of Girard, who chose not to seek reelection. Dale Wilcox of Waverly and Stanley Rich of Morrisonville were reelected to three-year terms.

The Girard Kiwanis Club prepared and served a pancake and sausage breakfast before the meeting, and Magic Lee BimBam the Clown entertained.

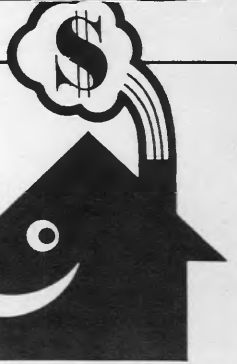
Your cooperative serves over 4,700 members over nearly 1,300 miles of line in parts of Christian, Macoupin, Montgomery, Morgan and Sangamon counties.

## Time-of-day drying rates set

Your cooperative has established a program for time-of-day metering. This program is available to members who are or will be using electric units for grain drying.

A special rate will be available to members who will be drying grain with electric heating elements during off-peak hours. The off-peak hours will be from 10 p.m. to 10 a.m., Monday through Friday, and during the weekend. They will be in effect during the following holidays: New Year's Day, Labor Day, Independence Day, Memorial Day, Thanksgiving and Christmas Day. This will mean a savings to the users and will also reduce loads during peak demands of your cooperative system.

If you need further information, please contact your cooperative office.



## Earn Up to \$800 REBATE

### When You Update Your Heating System!

Gain the safety, comfort and convenience of electric heat when you install the high-efficiency heat pump or other electric heating system. If you've been planning to upgrade your home's comfort conditioning system, now is the time. Earn valuable rebates on your investment and start enjoying the safety and convenience of electric living . . . now.

Rebates available only to members of Rural Electric Convenience Cooperative. Rebates can be earned for any qualifying electric equipment installed after May 1, 1984:

	REBATE
<input type="checkbox"/> New or Remodel Home to Total Electric . . . . .	\$800.00
	(Payable \$400.00 per year for two years)
<input type="checkbox"/> Heat Pump . . . . .	400.00
<input type="checkbox"/> Electric Water Heater . . . . .	50.00
<input type="checkbox"/> Base Board or Ceiling Cable Heat, per room . . . . .	50.00
<input type="checkbox"/> Electric Room Heater, each . . . . .	50.00

Call now for more information on your cooperative's rebate program or for information on clean, safe electric heat. Or send us your name and address and we'll contact you.

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone \_\_\_\_\_

### Rural Electric Convenience Cooperative Co.

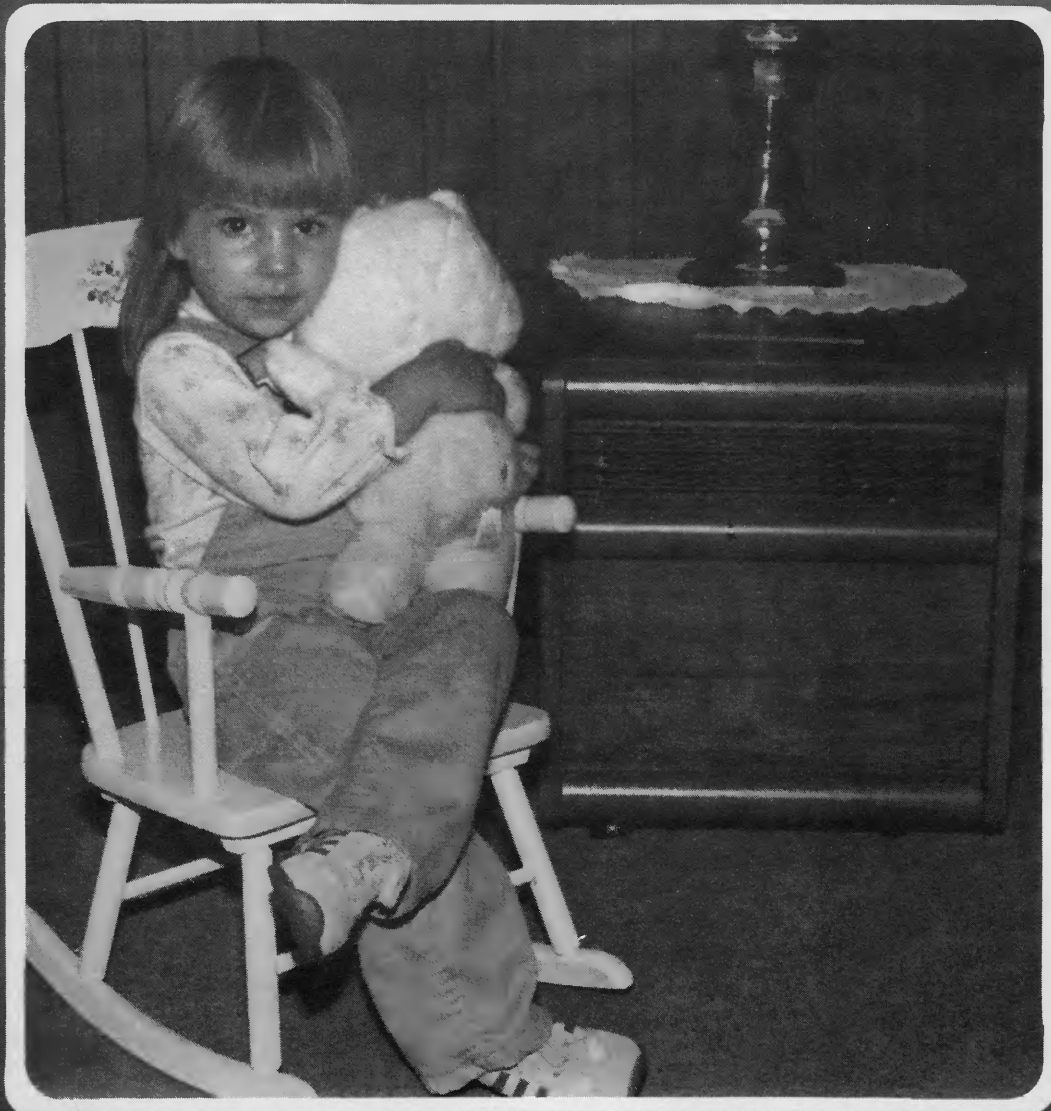
P.O. Box 9, Auburn, IL 62615

Telephone: 438-6197

(NOTE: To ensure that you qualify for any rebates, be sure to contact your electric cooperative before beginning work on your electric heat additions.)

Here's why safe Sun-Twin® heat saves \$ dollars and makes sense.

- Safety      ■ Versatile      ■ Total Control
- Economy    ■ Beautiful    ■ Low Maintenance
- Comfort    ■ Clean        ■ Security
- Convenient



**SUN-TWIN**® THE NEW WAVE OF ENERGY-EFFICIENT HEAT

# LIVESTOCK BUILDINGS

## Moisture and dust protection important consideration for the service entrance

**L**ocate the service entrance equipment, the conduit, fittings, service disconnect box, and the electrical distribution panels in a dry and preferably dust-free location outside the area where the livestock is confined. Use an entry way, office or separate room for this equipment. If the service entrance equipment is located inside the livestock confinement area, then the service panel must have a weather-proof enclosure.

Mount fire-resistant material such as cement-asbestos board behind the service entrance panel. In addition, use spacers to provide a one-inch air space between the service panel and the building wall. This prevents condensation on the walls from running into

(This article is the second of two parts reprinted from an Illinois Farm Electrification Council fact sheet and was written by Roland Espenschied, Professor of Agricultural-Engineering at the University of Illinois. The first article appeared in August.)

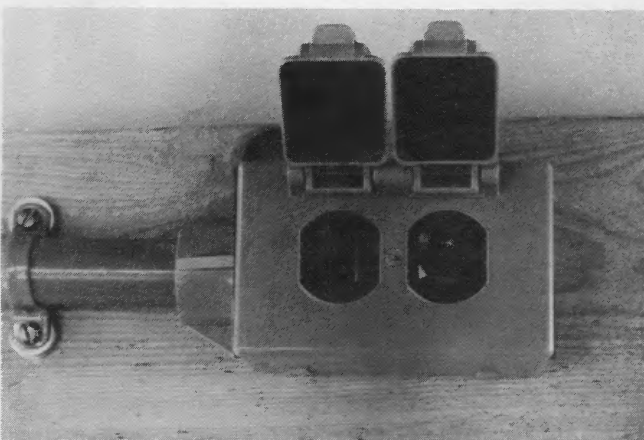
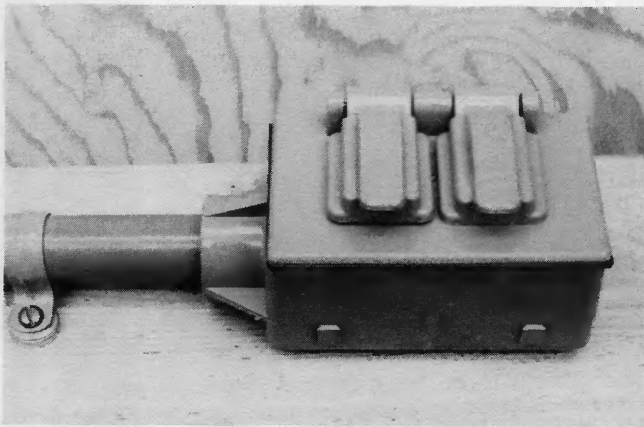
the box. The air space also keeps the panel nearer to the room temperature, reducing the possibility of condensing water inside the panel.

When metal raceways are used to enclose the service entrance conductors, pack both ends with a sealing compound to fill all of the voids

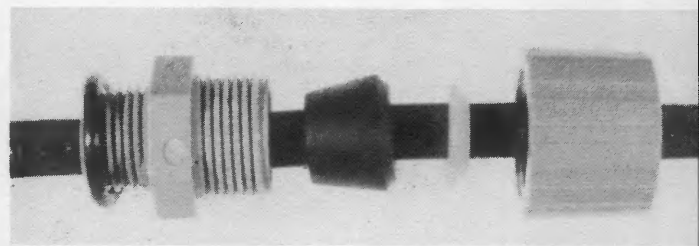
between the conductors and the sides of the metal raceways. This prevents condensation caused by circulation of warm moist air to a cold area.

Protect each circuit with its own fuse or circuit breaker. Select the size of the devices so that they are in accordance with the size of the conductors used in the circuit and do not load the circuits to more than 80 percent of the circuit rating listed in Table II. This sort of load control is especially important for applications in which electrical loads continue for long periods of time, as is the case with the use of heat lamps and exhaust fans.

Install type UF cable for all electric circuits in these buildings, and mount



Switches and/or receptacles mounted in dust- and water-tight, gasketed enclosures should be positioned with hinge at top when possible. Keep covers closed when not in use.



Nonmetallic cable connectors assure dust- and watertight fit of cable into nonmetallic enclosures.



When standard metal service equipment is used, locate it in a dry room adjacent to livestock rearing area. Conduit should be on side or bottom with ends sealed.

improved management.

"Great strides have been taken to preserve the traditional integrity of the balance sheets of our best known cooperative," Condit said. "In the past year, we have seen several co-op boards approve the installation of top-flight management teams — executives of known and acknowledged capacity to compete."

REA's Hunter said that rural electric and telephone cooperatives are in a much different operating environment today, one that points up the need for good management from co-op directors and managers. Hunter says that today, cooperatives have matured and have "experienced directors, managers and staff that need less instruction in how to do their jobs."

Two agricultural cooperative leaders, Wayne Boutwell, president of the National Council of Farmer Cooperatives, and Randall E. Torgerson, administrator of the USDA's Agricultural Cooperative Service (ACS), said that indelible lessons have been learned. "The evolving structure of U.S. agriculture has stimulated changes in the farm co-op system and this has resulted in a more efficient cooperative industry which remains highly responsive to the needs of its owner-customers," Boutwell said.

Torgerson says that co-ops are poised to enter a new dimension of business activity and growth. "Hard, but valuable lessons of the inflationary 1970's and the potpourri of adverse factors in the 1980's have sharpened cooperative leadership," he said.

The cooperative future could continue to chip away at a comfort of the past, member loyalty, says Charles B. Gill, chief executive officer of the



## October is Co-op Month

and zeal of our current co-op members that was exhibited by those who formed our cooperatives," he said. He added that sound business practices, in addition to maintaining loyalty, will become a greater priority for cooperatives.

Bob Bergland, executive vice president and general manager of the National Rural Electric Cooperative Association (NRECA), agrees that competition is getting tough. "New competition is growing where it didn't exist before," he said. "The real test of cooperatives is whether they can adapt to the changing environment. Co-ops have always succeeded when they found a niche. Those niches are changing."

In their views of change, the cooperative leaders had specific ideas for the future that reflected their areas of cooperative endeavor, yet there was a

national trade," he said.

The Cooperative League's E. Morgan Williams puts special emphasis on international trade. "For American cooperatives to grow and survive, they must expand their horizons," he said. "One major challenge will be in the international arena. Our cooperatives must do more internationally. Co-ops around the world want to do business with ours. We must be willing to participate in the world markets and with the various international cooperative business systems."

"We must look for ways to push into new lines of business," says CUNA's Jim Williams in agreement. "We must use our strength, which is our tremendous membership base, to become successful marketers of products and services — our own, those produced by other cooperatives and those from outside suppliers. And we

# othing new for cooperatives

National Rural Utilities Cooperative Finance Corporation (CFC). "The competitive posture of cooperatives is being tested as never before and in this environment it becomes increasingly difficult to maintain the same interest

shared undercurrent of renewal. ACS's Torgerson said that significant consolidations and coordination are strengthening co-ops' ability to compete. "Cooperatives are prepared for expanded roles in processing and inter-

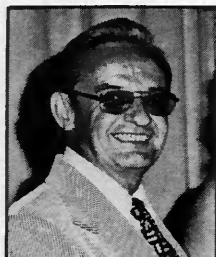
must create a network of cooperative groups that will allow us to work together."

Rural electric leaders Bergland at NRECA and Gill at CFC both look

*(Continued on page 17)*

# CURRENT LINES

## from cooperative managers



Roy D. Goode, Manager  
**Rural Electric**

Auburn, Illinois

October is traditionally Co-op Month.

Your electric cooperative is important to you and your community and electric cooperatives are important to the entire world as an official economical method for handling and processing food and fiber.

Your electric cooperative strives to conduct the business more efficiently than investor-owned utilities. Your electric cooperative provides additional services and provides the service at cost. There is no overcharge for large stockholder profits; any margins are returned to the members so overcharges are not possible.

Cooperatives make it possible for many people to join together and do as a group what each one could not do as an individual. Basic co-op principles are strictly adhered to.

The first principle is open membership. Anyone who can make use of and desires to make use of the service may do so by becoming a member. Your cooperative has an area

that it must serve and anyone within that area may become a member and receive full benefit.

Another principle is that the net margins belong to the users in direct proportion to the amount of business they do with their cooperative — margins do not belong to investors.

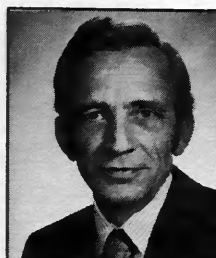
One important principle is that the members and their needs must be the predominant factor. The duty and responsibility of your electric cooperative is to provide all the needs for electric energy to its member-owners.

Democratic control is exercised by your co-op — one member-one vote — not according to the number of shares or investment. Each member has equal voice in the cooperative — truly democracy in action.

Cash trading, continuous education of members and expansion to meet members' requirements are important to your electric co-op.

The basic principles are open membership, return of capital credits, and democratic control. Many practices also exist to distinguish co-ops from investor-owned such as education, expansion, political and religious neutrality, and the needs of the members the important motivator.

During Co-op Month we renew our pledge to serve the members with the adequate reliable power you are entitled to on a nonprofit basis.



Bill LeCrone, Manager  
**Shelby Electric**

Shelbyville, Illinois

Homes all over America today are filled with labor-saving electric appliances. Used as they were designed to be used, with proper safety precautions, these electric-powered servants save countless hours of drudgery with nearly 100 percent safety.

When you plug in an electric appliance or flip a light switch, you are making a buyer's decision to purchase electricity. You may not be as conscious of your purchase as you would be if you were at a store, but, just the same, you're buying a commodity. And when your bill arrives and you see that you bought more than you intended, it's too late to do anything about it.

Part of the problem with higher-than-expected usage is that clean, efficient electricity is so convenient to use. It's become such a major part of modern life that we tend to forget the costs attached to the bundle of wonderful ser-

vices that electricity provides. And, that may cause you to use more electricity than is really needed.

The first step toward efficient energy use is to be aware of your usage habits. Every time you flip a light switch or plug in an appliance, ask yourself, "Is this the best buy for my energy dollar?" If electricity is helping you save hours of tedious labor, the answer is yes. If electricity is operating a television and lamp in an empty room, you're throwing money away.

You should never forget, also, that electricity is man-made lightning. It is safely under control, of course, when used properly, but it is no less dangerous than the lightning which occurs naturally. It is critical, therefore, that all of us know and apply the basic rules of safety when we are using electricity. Use three-wire cords and grounded fault interrupters when at all possible. Remember that in the bath and laundry: water and electric appliances are a deadly combination. Extension cords should always be grounded, and should be checked often for signs of over use and fraying.

Also important to note this time of year is the vandalism that occurs to the Cooperative property. Shooting of electric distribution lines and equipment is malicious destruction of property. This reckless act not only destroys expensive equipment, but it endangers the lives of culprits



## PEOPLE POWER 60,000,000 STRONG

They are all member-owners of the nation's 40,000 cooperatives found in every state from coast to coast.

They are the people you know and work with every day, committed to the cooperative way of conducting business because it's proven to be both highly efficient and an extremely economical way to meet a variety of needs.

There are cooperatives for electric and telephone service, farm credit, farm marketing and farm supply, food, insurance, health and day care, and credit unions. They're found in the city, in the country, and in between. Cooperatives are big and they're small, but they provide the goods, services and jobs that benefit the entire country.

Co-op people are proud of their consumer-owned business. They've grown and flourished and helped their communities thrive. And thriving communities mean a better America in every way.

---

and others. Lines fastened around insulators shattered by bullets have been known to drop onto shooters, electrocuting them. Remember — it is the cooperative members who will pay for the maintenance of the system — and it may be a member of your family who will pay a high price for the innocent sport of shooting insulators.

If you have young hunters in your family, stress to them that electrical equipment is not fair game. And if you see anyone shooting at electrical equipment, please contact your county sheriff and Shelby Electric Cooperative. If you notice damage done previously, also notify us. It may prevent an outage at a later date.

# New Electronic Pain Killer...

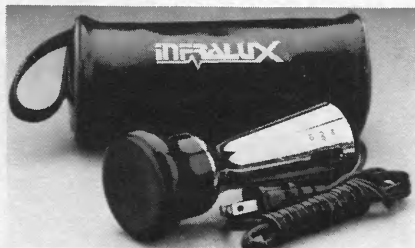
relieves muscular backache, headache, even pain of tennis elbow, arthritis & bursitis!

Tested by doctors, INFRALUX™ is handheld and portable. Its infrared heat relieves pain without medication! Try it FREE for 30 days!

Here's quick relief from pain — whether you suffer from arthritis, bursitis, sinus headaches, tennis elbow, muscular backache, neuralgia, sprains or nearly any other painful musculoskeletal condition. Use INFRALUX infrared pain reliever and within minutes get on with work or play.

## SOOTHING PAIN RELIEF. BUT WHY INFRARED HEAT?

There is nothing new about infrared heat. Doctors and therapists have used and recommended it for years in pain treatment. But until now, there hasn't been a compact, easy-to-use unit



INFRALUX is easy to carry too in its handsome vinyl bag. No bigger than a small flashlight (six inches long). Plugs in any 110V outlet.

Why infrared? With ordinary methods such as heating pads and hot water bottles, much of the heat is dissipated on the skin's surface. There's no lasting effect.

But with infrared heat, the treatment goes down d-e-e-p where you need it. In fact, INFRALUX's shortwave, visible infrared heat will penetrate up to 10mm of skin tissue to reach irritated nerve endings. Your INFRALUX seeks, finds and soothes!

## ELIMINATE UNNECESSARY MEDICATION

In fact, William J. Shriber, MD notes in his respected "Manual of Electro Therapy" **THAT MILD INFRARED RADIATION MIGHT BE THE ONLY WAY TO RELIEVE PAIN WITHOUT THE USE OF MEDICATION.**

### RECOMMENDED BY DOCTORS

FROM AN ACTUAL DOCTOR'S REPORT ON INFRALUX:

"On patients with a variety of musculoskeletal painful conditions, Infralux was demonstrated to be effective in relieving pain." V.S., MD

NOTE: INFRALUX is a medical device and should be used in accordance with directions.



**Sale! \$29.95**

Why take medication when it isn't needed? INFRALUX is the most natural route to pain relief.

## HOW THE INFRALUX WORKS

All you do is hold the INFRALUX unit next to where you hurt. It even works thru clothing! Within moments, you'll sense comforting, soothing heat.

INFRALUX heat goes to where the pain is — to blood vessels, nerve endings, and other subcutaneous tissue.

## USE AS OFTEN AS NEEDED.

Unlike drugs and medication, INFRALUX can be used as often as you like. It's made to help you day and night, at home or at work. And be sure to pack it for out-of-town trips. You can enjoy soothing relief wherever, and whenever.

## TRY IT FOR YOURSELF

The minute your INFRALUX arrives in the mail, give it a good try. Put it to the test on that nagging backache, that stiff neck, those arthritic pains that hit so suddenly. If, after a month, you're not astounded at how much better you feel, return it for a full refund.

## HERE'S HOW TO ORDER

INFRALUX is only \$29.95 (plus \$2.85 shipping and handling). To order, simply send your check to Innovations at the address below. Credit card holders can speed their delivery by using our toll-free number. (Maryland residents add 5% tax.)

### CALL TOLL-FREE

Mon-Fri 9am-5pm Eastern Time

**800-638-6170**

All other times, or if busy, call 800-257-7850

Maryland residents call 363-4304

Be ready the next time pain interrupts your schedule. Order an INFRALUX today!

**INNOVATIONS™**

110 Painters Mill Road Dept. 060N

Owings Mills, MD 21117

(301) 363-4304

© 1984, Innovations

## Threshing bee!

(Continued from page 5)

shingle splitting display came aboard, to add more of an old-time feel. Attendance continued to climb, too. In fact, the show's success was becoming something of an embarrassment.

While generous farmers had, in the past, given over 15-20 acres of their farms to the event, that was no longer enough. The show's backers started looking for property to buy, to give the itinerant exhibition a permanent home. Just as it began to look as though the eighth annual show would be a nonstarter, a 40-acre tract came on the market at an affordable price and the organization cheerfully snapped it up. Between the January purchase date and the traditional August show, members, using generous contributions of money and labor, cleared out unwanted trees and fences, hauled gravel, and put up a permanent building. Other permanent buildings have since been added, including a railroad station moved in from Bushnell, along with a caboose and other hardware.

The show has added some kind of attraction each year, including a vintage tractor pull and a kiddie tractor pull. As word gets around, and the show adds more and more attractions, exhibits and attendance both continue to increase. From the humble beginnings in 1968, when some 30 cars and tractors were shown, the show has grown to more than 100 cars and trucks and a like number of tractors. There were 28 crafts exhibits too, and more than 12,000 persons, some from as far away as California, showed up to have a nostalgic good time.

This year's show was the best, McVeigh says, and next year's will be better yet, if the past is any indication.

### 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. This is our 34th year.

**VIRDEN PERMA-BILT CO., 2821 Mays St., P.O. Box 7160IN, Phone: 806/352-2761, Amarillo, Texas 79114-7160**



# 40 BRAND NEW TOWELS \$1.75!

UNWOVEN COTTON OR RAYON — Assorted beautiful Pastel Colors. BRAND NEW — NOT Seconds — 40 Towels for \$1.75 or 80 for only \$3.35 120 just \$4.95 Super Quality. Pls. include 50¢ extra for pstg. and hding. with EACH set of 40 Towels you buy. We know Towels — we've sold 70,000,000 already. Fund Raisers write for quantity prices. Money-Back Guarantee. No C.O.D.'s. Pls. allow up to 6 wks. for delivery

40 Towel Co. Dept. C-857  
1602 Locust St. St. Louis, MO 63103

## LIFETIME TANK COATINGS

Stop all leaks in steel and concrete — Prevent rust forever. Roof coatings for tar paper, composition shingles, and metal buildings. Anyone can apply all coatings. Fix it once and forget it. This is our 34th year. Let us send you complete information. VIRDEN PERMA-BILT CO.  
Box 7160IN Ph. 806-352-2761  
2821 Mays St.  
Amarillo, Texas 79114-7160

## Dentures

# \$195

### Total Cost For Both Upper & Lower Dentures

- High Quality
- Low Prices
  - 1 Day Service
- Licensed Dentists
  - General Dentistry
  - Processing of Ins. Forms

Complete Dental Services plus Ozark Hospitality  
**WE WANT YOU SATISFIED!**

We'll meet your bus, make your hotel reservations, or give you free hookup for your recreational vehicle.

Please call for an appointment or  
**WRITE FOR FREE DETAILS**

**Frederick C. Lauer DDS**  
**Mid-America Denture Clinic**

Hayward Drive Rt. 3, box 19C  
Mt. Vernon, Mo. 65712  
(417) 466-7196

Patients now number in the thousands . . . from the Atlantic to the Pacific from Alaska to the Southern most tip of South America.

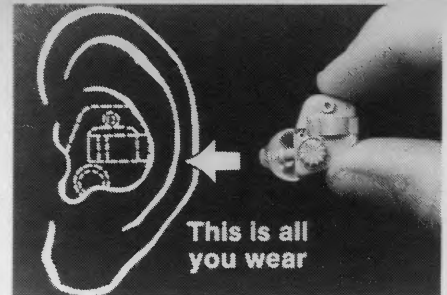
# WATER!

Need a never-ending flow of cool, clear water? You can drill your own water well with our amazing little low-cost drill. Easy to operate as a power lawn mower.

**"All the free water you'll ever need!"**

For a free, illustrated booklet, phone toll-free, 1-800-821-7700 (Operator 5665), or write:

**DeepRock** 5665 Anderson Road  
Opelika, Alabama 36802  
Established 1962 © 1984

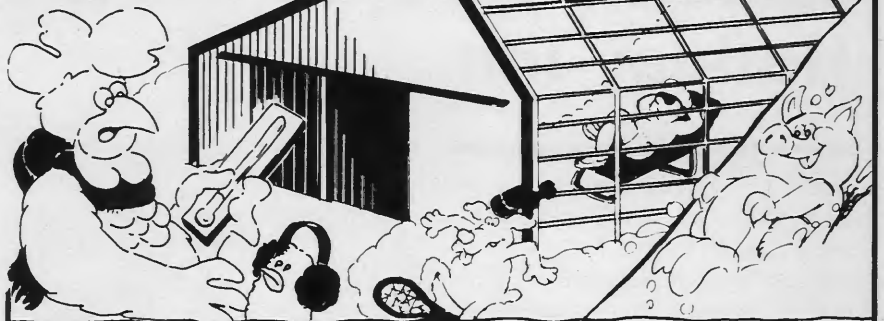


This is all you wear

## All-in-Ear Aid - Save \$200+

Improve your hearing! Name brand aid helps you understand words you miss. If you hear but don't understand, this aid amplifies the sounds you need. Enjoy comfortable, attractive aid in your own home. FREE 30-day home trial. We promise no salesmen! Write today for free catalog! **J&M, Dept. 109-T, 329 N. Third St., DeKalb, IL 60115**

## SNOW PROBLEM?



## NO PROBLEM WITH WICK!

Don't let winter's snow and cold get you down! Your out-buildings either. You don't have to worry about such things as snow buildup on the roof, thanks to the Wick Super-Truss system. Wick buildings are super strong and extra tight. They're "winterized" by Wick before they reach your farm. Smile! Even in the face of winter, Wick has you covered. Your crops, your equipment, your livestock . . . and you!

### New Expanded Warranty!

Six-year protection against snow, wind or hail damage. Free replacement or repair. Ask your dealer for complete warranty details.

For additional information, call your nearest Wick Buildings dealer or phone Toll Free 1-800-356-9682, weekdays. (In Wisconsin call 1-800-362-5457)

#### ILLINOIS

ARTHUR . . . Enos Helmuth & Sons • 217-543-2298  
ASHTON . . . Consol Builders & Supply  
815-453-2442  
BLOOMINGTON . . . Terry Eills • 309-963-4918  
CARLINVILLE . . . Donald Bacon • 217-627-2297  
CARROLLTON . . . Jim Parkinson • 618-576-2287  
DANVILLE . . . Carl Wise • 217-776-2462  
EFFINGHAM . . . Curtis-Jansen • 217-342-2159  
EUREKA . . . Dan Wiegand, Jr. • 309-467-4527  
FLORA . . . Phil Henson • 618-622-4789  
HARDIN . . . Bill Parkinson • 618-576-2287  
HIGHLAND . . . Curtis-Jansen • 618-654-9807  
LENA . . . Freepport Builders • 815-563-4211  
LINDENHURST . . . Don Jackson • 312-244-4030  
LYNDON . . . Dale Woodworth • 815-778-4469  
MAZON . . . J.R. Enterprises • 815-448-2406  
METROPOLIS . . . Koch Brothers Builders  
618-524-4565

MONMOUTH . . . . . Phil Britt • 309-734-6458  
NEW HOLLAND . . . Ken Harnacke • 217-445-2481  
or 217-445-2400  
NORRIS CITY . . . . . Mike Phillips • 618-378-3622  
PRINCEVILLE . . . Paul Stelmatter • 309-385-4848  
ROYALTON . . . . . Robert Smith • 618-984-4470  
SPRING VALLEY . . . Malooley Brothers  
815-664-2353  
TAYLORVILLE . . . . . R&D Sales & Service  
217-824-6114  
VIRGINIA . . . . . Carl Stiltz • 217-452-3642  
WATAGA . . . . . Harold Bramlett • 309-375-6470  
WATERMAN . . . Little Enterprises • 815-264-3302  
WEST SALEM . . . . . George's Farm Supply  
618-456-8461

#### WISCONSIN

GENOA CITY . . . . . Chuck Schuren • 414-279-5424  
or 312-426-5040



## Wick Buildings®

A product of Wick Building Systems, Inc.

. . . offering the solar advantage.

Mazomanie, WI 53560 • Adair, IA 50002



# Rural Highlights

Board of Directors: Stanley Otten, President; Robert Burtle, Vice President; Herbert Niemeyer, Secretary-Treasurer; Gary Skaggs, Stanley Rich, Harold Bruntjen, Dale Wilcox, Lynn Johnson, Joe Alford and Roy D. Goode, Manager.

RURAL ELECTRIC CONVENIENCE COOPERATIVE CO.

217-438-6197

AUBURN, ILLINOIS

---

## RECC will serve new Holiday Inn

---

The new Holiday Inn to be served by Rural Electric is well on its way to being completed. The location of the new Inn is at the junction of Illinois 108 and Interstate 55, just a few miles north of Litchfield.

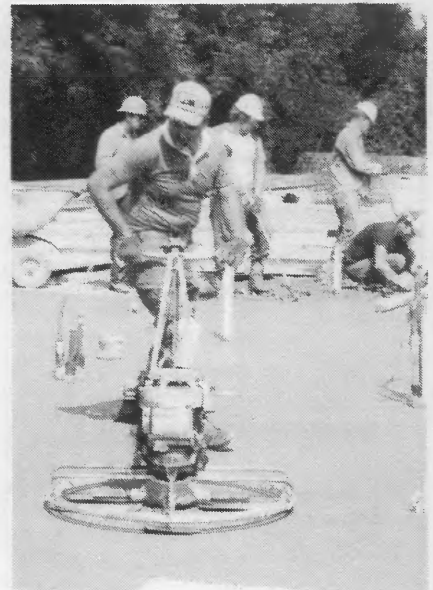
The ground-breaking ceremonies for the new Holiday Inn were held June 25. The developer for the new motel is Dan Millard of Carlinville. His two sons, Tim and Chris, were present for the ceremonies.

Ralph Korte Construction Co., Inc. of Highland is the contractor for construction of the new building. The new Holiday Inn will have 102 rooms a Holidome, banquet and conference facilities, restaurant and lounge, a small boutique and recreational facilities.

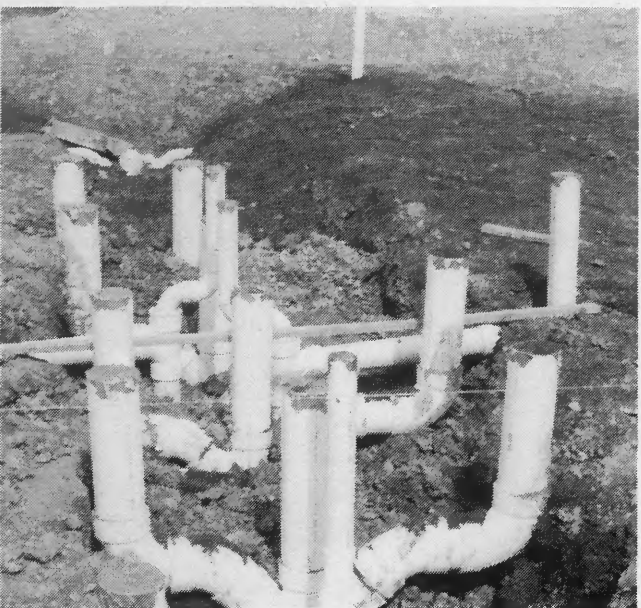
The estimated completion date for the complex is March or April 1985. The \$4.5 million project will consist of 64,000 square feet.

The Holidome, with year-round recreational facilities that include a swimming pool, deck and game room, will encompass 10,000 square feet.

We wish Dan Millard, Tim and Chris much success with their new operation. Your cooperative is happy to serve the motel and to have them as members of this cooperative.



*Clockwise from top: Distribution center for all electrical wiring. Machine finishing concrete. Hand finishing concrete. Skill of block and brick layers.*



*Clockwise from right: The plumber's skill. Plumbing in the kitchen area. Mark Plocher, project superintendent for Ralph Korte Construction. Electrician works ahead of block layers.*

## Earn Up to \$800 REBATE



### When You Update Your Heating System!

Gain the safety, comfort and convenience of electric heat when you install the high-efficiency heat pump or other electric heating system. If you've been planning to upgrade your home's comfort conditioning system, now is the time. Earn valuable rebates on your investment and start enjoying the safety and convenience of electric living . . . now.

Rebates available only to members of Rural Electric Convenience Cooperative. Rebates can be earned for any qualifying electric equipment installed after May 1, 1984:

#### REBATE

<input type="checkbox"/> New or Remodel Home to Total Electric . . . . .	\$800.00 (Payable \$400.00 per year for two years)
<input type="checkbox"/> Heat Pump . . . . .	400.00
<input type="checkbox"/> Electric Water Heater . . . . .	50.00
<input type="checkbox"/> Base Board or Ceiling Cable Heat, per room . . . . .	50.00
<input type="checkbox"/> Electric Room Heater, each . . . . .	50.00

Call now for more information on your cooperative's rebate program or for information on clean, safe electric heat. Or send us your name and address and we'll contact you.

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

Telephone \_\_\_\_\_

#### Rural Electric Convenience Cooperative Co.

P.O. Box 9, Auburn, IL 62615

Telephone: 438-6197

(NOTE: To ensure that you qualify for any rebates, be sure to contact your electric cooperative before beginning work on your electric heat additions.)



## BAKED BREAST OF CHICKEN

4 to 6 chicken breasts  
1 can mushroom soup, undiluted  
1 cup sour cream  
1 (4-oz.) can sliced mushrooms and liquid  
1/2 cup sherry wine (optional)

Arrange chicken in casserole. Mix all other ingredients and pour over chicken. Sprinkle generously with paprika. Bake uncovered at 350 degrees for about 1 hour or more. Baste frequently.

## HOLIDAY POTATO DISH

4 lbs. unpared potatoes, cooked and drained  
1 cup chopped onion  
1/4 cup butter  
1 (10 3/4-oz.) can cond. cream of celery soup  
1 pint dairy sour cream  
1 1/2 cups shredded cheddar cheese  
1/2 cup crushed corn flakes  
3 tablespoons melted butter  
Pimiento strips  
Chopped fresh parsley

Remove skin from potatoes, shred into bowl. Saute onion in butter until tender. Remove from heat. Stir in soup and sour cream. Pour over potatoes and cheese; mix well. Turn into greased 13x9x1-inch baking dish. Cover; refrigerate overnight. Sprinkle with corn flakes; drizzle with 3 tablespoons butter. Bake in 350 degree oven for 1 hour. Garnish with pimiento and parsley. Makes 12 servings.

## CHEE-ZY RICE BALLS

4 cups hot cooked rice  
1 1/2 cups grated sharp Cheddar cheese  
2 eggs, slightly beaten  
1 1/2 teaspoons salt  
1/4 teaspoon pepper  
1/4 cup minced onion  
3 tablespoons creole mustard  
8 drops Tabasco pepper sauce  
2 cups soft bread crumbs  
1 tablespoon paprika

Combine all ingredients except bread crumbs and paprika. Chill. Form into small balls using 1 tablespoon mixture for each. Blend bread crumbs and paprika. Roll balls in crumbs. Deep fat fry at 375 degrees until golden brown, about 3 minutes. Drain on absorbent paper. Serve hot. For variety, add one of the following:

2 cups ground cooked ham or  
3/4 cup canned chopped green chilies, drained or  
1/4 cup diced pimientos or  
3 tablespoons chili powder

## HOLIDAY SHRIMP AND RICE CASSEROLE

1/4 cup butter or margarine  
1/2 cup flour  
2 cups half-and-half (cream and milk)  
1/2 cup dry sherry  
1/4 cup tomato paste  
2 teaspoons salt  
1 teaspoon dill weed  
1/2 teaspoon onion powder  
1/4 teaspoon pepper  
1 tablespoon lemon juice  
1 can (4 oz.) sliced mushrooms, drained  
1 package (10 oz.) frozen green peas, cooked and drained (about 1 1/2 cups)  
1 package (12 oz.) frozen peeled and deveined raw shrimp, cut in half lengthwise  
3 cups cooked rice  
1 can (3 oz.) rice noodles or chow mein noodles

Melt butter; stir in flour to make a smooth paste. Gradually blend in half-and-half; simmer about 5 minutes, stirring constantly. Stir in sherry, tomato paste, seasonings, lemon juice, mushrooms, peas, shrimp, and rice. Turn into a greased shallow 2 1/2-quart baking dish. Sprinkle with noodles. Bake at 350 degrees for 25 minutes or until hot and bubbly. 6 to 8 servings.

## HAWAIIAN-STYLE RICE SALAD

10 ounces cooked ham, cut in thin strips (2 cups)  
3 cups cool cooked rice  
1 can (16 oz.) sliced peaches, drained  
1 1/2 cups sliced celery  
1/2 cup chutney, chopped  
1 teaspoon curry powder  
1 teaspoon seasoned pepper  
1/2 cup sour cream  
1/4 cup mayonnaise  
1/2 cup sliced almonds, toasted

Combine all ingredients except almonds. Toss lightly. Serve on beds of salad greens. Sprinkle with almonds. 8 servings.

## DUCK AND RICE

2 ducks  
5 1/2 cups broth  
1 box chicken Rice-A-Roni  
1 box Uncle Ben's chicken-flavored rice  
2 medium onions  
2 medium green peppers  
2 cans cream of mushroom soup  
1 can mushrooms (optional)  
3 tablespoons soy sauce  
Salt, pepper, garlic salt  
4 tablespoons butter or bacon drippings

Cook ducks until tender, take meat off bones. Saute chopped onion, pepper, and Rice-A-Roni in butter or drippings. Salt, pepper and garlic salt to taste. Transfer to a large pot or casserole. Add 5 1/2 cups of duck broth, remaining rice and seasonings, soy sauce, duck, mushrooms and mushroom soup. Simmer 30 minutes or until broth is absorbed. Add more broth if needed.

## SQUIRREL MULLIGAN

15 to 20 squirrels  
1 lb. dry salt meat, cut into 1/2-inch cubes  
1 stalk celery, chopped fine  
6 to 8 onions, chopped fine  
1 pkg. carrots, chopped fine  
8 to 10 potatoes, chopped fine  
2 cans whole kernel corn  
1 can tomatoes  
2 cans English peas  
2 cans hot Rotel tomatoes  
Salt and pepper to taste

Put squirrels on to cook in water. We use wash pot in the yard. Cook squirrels until tender. Remove squirrels from broth. You may remove bones, but we prefer not to. Use broth to cook remaining ingredients, then put squirrels back in when all is done. Serve with big green salad and Mexican corn bread to a big crowd. It freezes well.

## VENISON IN WINE

Braise venison steaks or roast in skillet. Then add 1 chopped medium onion and 1 cup red wine (burgundy, claret or rose) to your water in roast pan. You may add herbs (salty, pepper and oregano are good). Cook at 350 degrees to desired tenderness. Make gravy when roast is done.

# A head start on the holidays

## PUMPKIN COOKIES

1/2 cup shortening  
1 cup sugar  
1 cup pumpkin  
1 egg  
1 teaspoon vanilla  
1/4 teaspoon salt  
2 cups flour  
1 teaspoon baking powder  
1 teaspoon cinnamon  
1 teaspoon baking soda  
1 cup raisins

Cream the shortening and sugar. Add pumpkin, egg, and vanilla; beat well. Stir together flour and the next three ingredients and 1/4 teaspoon salt. Add to batter; mix well. Stir in raisins. Drop rounded teaspoonfuls 2 inches apart on greased cookie sheet. Bake at 350 degrees for about 15 minutes. Cool on rack. Makes about 3 dozen.

## CALIFORNIA FRUITCAKE or Orange Candy Cake

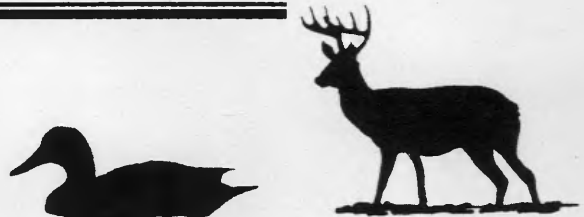
1 cup butter or margarine  
2 cups white sugar  
1 teaspoon vanilla  
5 eggs at room temperature  
3 1/2 cups sifted all-purpose flour  
1/2 teaspoon soda  
1 teaspoon salt  
3/4 cup buttermilk  
8 oz. pitted dates, cut fine  
1 lb. orange candy slices, cut fine  
2 cups chopped pecans  
1 cup coconut  
1/2 cup flour

Cream butter and sugar and vanilla until fluffy. Add the eggs one at a time and beat well after each addition. Add the 3 1/2 cups flour, soda and salt, alternately with buttermilk. Prepare the fruit and nuts and mix with the 1/2 cup flour. Add last. Bake in a tube pan, or large bundt pan at 300 degrees for 2 1/2 hours. Watch carefully along toward the last as it has a tendency to burn. Cool in the pan on a rack and while hot pour on the following glaze:

### Glaze:

1/2 cup powdered sugar  
1/4 cup lemon juice  
1/4 cup orange juice  
1 teaspoon grated orange and lemon peel

Add ingredients together and cook glaze until syrup is reasonably thick, about 3 to 5 minutes. After glaze is poured on, let cool in the pan, for about an hour. Remove from the pan and let get cold. Wrap in foil and refrigerate for at least a day before using. This cake freezes well and keeps in the refrigerator quite a while. Mine seems dry until it has ripened about a week. It may be frosted or glazed when you are ready to use it.



## WILD GAME RAGOUT

3 tablespoons olive oil  
3 lbs. venison, elk or antelope  
3 large onions, chopped  
5 cloves garlic, crushed  
1/2 lb. bacon, chopped  
1 teaspoon curry powder  
1 can tomato soup, undiluted  
1 1/2 quarts water  
2 tablespoons bourbon  
1/4 cup beer  
1 tablespoon salt  
1/2 lb. fresh mushrooms, sliced

Place olive oil in electric skillet. Cut meat into cubes about 1 1/2 inches square. Add to hot oil with the onion, garlic and bacon. Cook until all is richly browned, stirring frequently. Add other ingredients except mushrooms; cover and simmer 50 minutes. Add mushrooms and simmer 10 minutes longer. Serve over rice. This dish reheats very well and can be prepared a day ahead of a dinner party. No need to marinate the game before using. In fact, it is better not to do so.

## VENISON STROGANOFF

2 lbs. sirloin  
4 tablespoons butter or margarine  
1/2 cup mushrooms  
1/2 cup tomato juice  
1 clove garlic, peeled and crushed  
2 teaspoons salt  
1 teaspoon pepper  
1 can mushroom soup  
1 cup sour cream

Cut meat into 3/4-inch cubes. Brown in butter and add tomato juice and mushrooms. Cover and simmer 30 minutes. Add remaining ingredients; simmer 1 hour. Serve over rice.

said, the use of straight gasoline can be disastrous.

"Another 'red can' problem," he went on, "is that people will sometimes take a used can that may have a pint of gasoline in it and fill it the rest of the way with kerosene on the assumption that such a small amount of gas won't do any harm. That's not true! A pint of gasoline in a five-gallon can of kerosene lowers the flash point from 140 degrees F to about 30-40 degrees, and that's a world of difference."

Smith said kerosene heating is now beginning to

## onsideration

approach the safety level electric heaters have had for years, while gas heat has involved far more accidents and wood heating fires are still on the increase.

Makers of kerosene heaters, gas heaters and electric units all warn against placing their heaters too close to combustible materials, and such misuse has been the cause of many fires. All also advise against drying damp articles of clothing by draping them over the heater.

Davis, of Country Companies, an insurance carrier, noted, that of all the heaters now coming into widespread use, the woodburning unit is probably the most difficult and expensive to install and operate safely.

"There are many rules that have to be followed to make an installation acceptable to an insurer," he said, "and many of them involve distance. For instance, there must be a certain distance from the stove to any combustible



*Richard Hiatt of the AIEC staff explains safety techniques for electric space heating devices.*

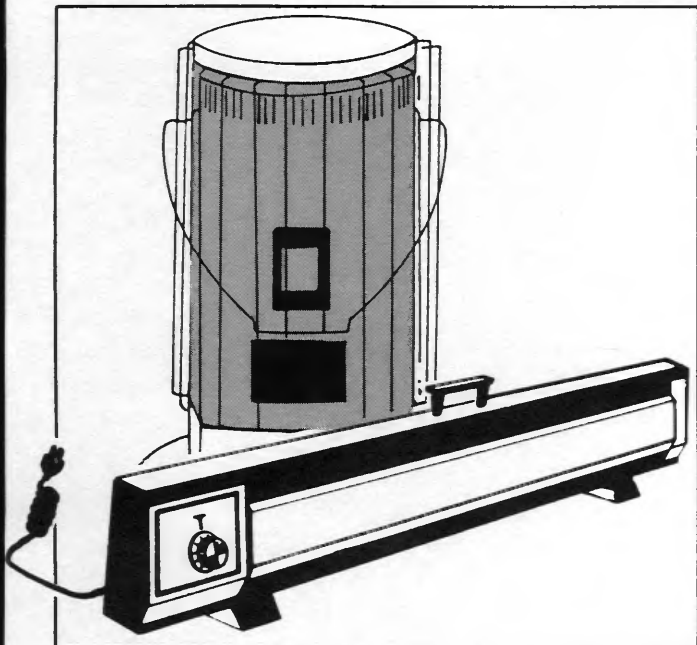
surface, and the pipes must have clearances, too. A properly installed stove and flue will take up an awful lot of space, and many people try to cut corners and 'fudge' a little. This is very dangerous. And any chimney must have a clay tile liner.

"Creosote build-up is another danger," Davis continued, "and the more efficient, modern, airtight stoves add to the problem, since they burn more slowly. Such systems should be checked frequently by a certified chimney sweep. In fact, we're so sold on the idea of cleaning and inspection that we give a \$20 rebate to a customer who has his system cleaned by a sweep."

Quillan summarized the problem as a kind of generation gap. "One of the major problems," he stated, "is that nearly all of us are a generation or so away from the techniques needed to make wood stoves and portable space heaters safe and efficient.

"Our parents may have used one of the old kerosene heaters, or a woodburning stove, and they knew all the little ins and outs. There's a generation out there that's going to have to learn all those little techniques if they're going to get the most out of portable space heaters — no matter what kind — or wood stoves."

The workshops, Petralia said, were designed to bridge that gap. "We hope the community leaders here will take home the things we've brought out here and spread the word in their communities. If there's any one thing we've noted here it's that portable space heaters will do a good job if they're used for their intended purpose and used correctly."



# CURRENT LINES

from cooperative managers



Roy D. Goode, Manager  
**Rural Electric**

Auburn, Illinois

Have a very Merry Christmas and a Bright New Year from all of us at your electric cooperative.

On behalf of your board of directors and employees may the joys and blessings of this glorious season be with you and yours throughout the new year.

#### POWER SUPPLY AGREEMENT

Your wholesale power supplier, Western Illinois Power Cooperative, Soyland Power Cooperative and Illinois Power Company have reached an agreement to meet long range electric supply requirements.

The agreements will become effective Jan. 1, 1985, after they have been approved by proper regulatory agencies. WIPCO and Soyland are power supply (generation and transmission) cooperatives, providing electricity to 22 electric distribution cooperatives in Illinois.

The contract provides that the two generation and trans-

mission cooperatives will purchase 400 megawatts of generating capacity from Illinois Power Company from existing coal-fired plants. This is in addition to the power the two generation and transmission cooperatives are purchasing as part owners of the nuclear Clinton Power Station.

The agreement also limits the two power supply cooperatives' investment in the Clinton plant to \$450 million of direct costs of this unit.

This agreement allows the cooperative to meet the wholesale power requirements of their 150,000 members beyond the Clinton plant. The commitment from Illinois Power provides the most cost effective way to meet members' requirements for years ahead. The increase in costs will be lessened because of these agreements.

Have a Happy Christmas and a Good Year in 1985.



Bill LeCrone, Manager  
**Shelby Electric**

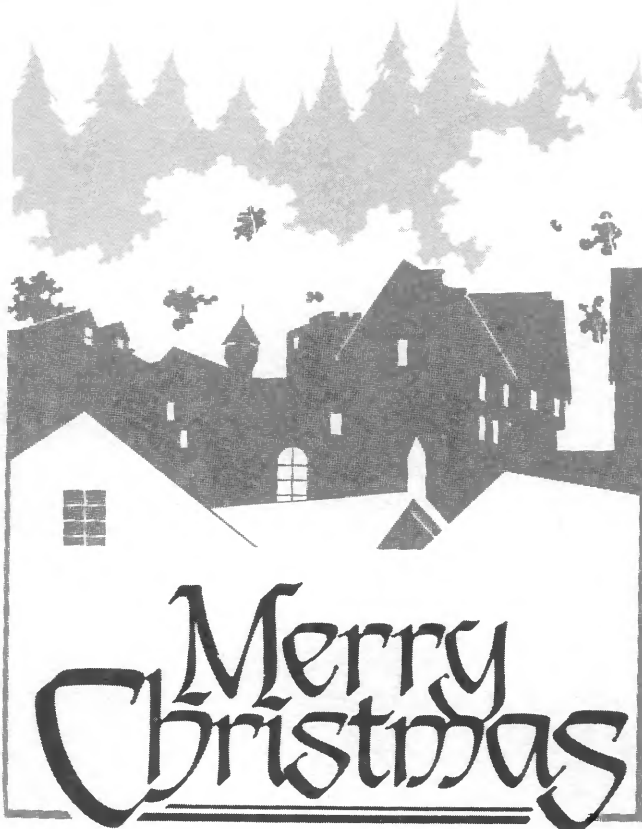
Shelbyville, Illinois

With this holiday season upon us, we reflect on the year we are about to close, and look forward to a bright new year full of hope and promise. We at Shelby Electric have once again had a very full, busy year. From the heavy snows of winter, spring thunderstorms, summer heat and drought, and fall winds, we have endeavored to provide the dependable service our members deserve. Every employee at your cooperative has the members' interest in mind as he or she carries out their duties.

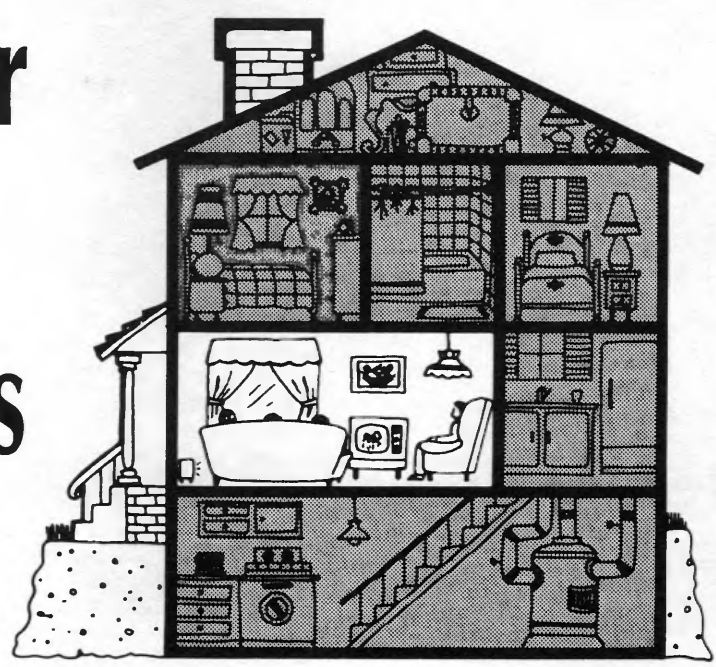
The office staff provides competent billing and accurate member records. The Engineering Department is constantly seeking ways to make your service better. Probably the people you, as members, meet most often are the people employed in the Outside Operations Department. They are constantly aware of members' needs; and strive to perform their jobs as swiftly, accurately, and courteously as possible.

During this time of goodwill, the board of directors and employees of Shelby Electric wish to extend their greetings and wishes to each of you. The heartwarming exchanges of gifts, the expressions of love and affection shown between families and friends, and the many acts of kindness and charity all evoke a faith in mankind that helps us renew our hope in the future.

We at your Cooperative turn our thoughts toward those who have made our existence possible. We express our gratitude and best wishes and pledge to you our continued dedication and service.



# Keep your heat where it's needed



## . . . the clean, safe electric way

There's no sense in heating your entire house at the same temperature if members of your family limit most of their activities to one or two rooms. You can reduce your energy usage and save money by turning down the thermostat on your central heating system and using a safe, convenient electric space heater in your main room or rooms of activity.

With clean, safe electric portable heating you don't have to bother with outdoor refueling or open windows. Just plug in your heater and set the thermostat for your comfort. If you really like the idea, you might even want to consider a permanent electric system . . . such as baseboard heat . . . that allows room-by-room temperature control.

For more information on the permanent or portable system that's right for you, contact your electric cooperative. *We think you should heat where you are, not where you aren't.*



## *Electric Cooperatives of Illinois*

### Good for ALL Illinois



## FMHS planned March 5-7 at Rend Lake College

Rend Lake College, located between Benton and Mt. Vernon, will be the site of the 1985 Southern Illinois Farm Materials Handling Show March 5-7. Seven electric cooperatives are among sponsors of the show, which for many years was held in Nashville. The show in 1985 will be the 24th.

Electric cooperatives participating as sponsors include: Southern Illinois Electric, Dongola; Clinton County Electric, Breese; Tri-County Electric, Mt. Vernon; Egyptian Electric, Steelville; Monroe County Electric, Waterloo; Southwestern Electric, Greenville, and Wayne-White Counties Electric, Fairfield.

In addition to the cooperatives, other show sponsors are Illinois Power Company, area Cooperative Extension Service advisers in agriculture, and Southern Illinois University-Carbondale.

Moving the annual display of farm and farmstead equipment to the Rend Lake campus will give us better facilities and more exhibit space, said show coordinator Richard J. Patterson. "We also think the academic atmosphere of the campus will help us better maintain the educational purpose of the



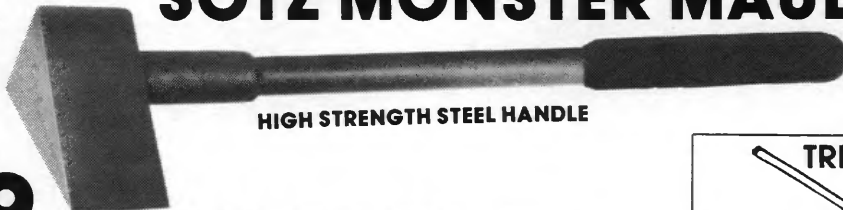
**\$19.89**  
FACTORY PICK-UP

- Ends broken handles, stuck axes and flying wedges.
- Hardened splitting edge lasts and lasts. Resists deforming.
- Splits most logs in one lick.
- No struggling lifting heavy logs up to high priced power splitters.
- No gasoline, no set-up, no takedown.
- Shape of head prevents sticking.
- Drop'em saw'em, stand'em up and split'em.
- No gimmicks, just simple physics.

VISA or MASTERCARD RUSH ORDERS  
CALL TOLL FREE 1-800-321-9892  
Inside Ohio 1-216-236-5021  
or SEND CHECK OR MONEY ORDER  
Sorry No C.O.D.'s

	TOTAL WEIGHT	FACTORY PICK-UP	DEL.
8 lb. Lady's Maul	11-lbs.	\$18.49	\$21.59
12-lb. Manster Maul	15-lbs.	\$19.89	\$24.98
Cushion Grip		\$2.50	\$3.00
Tree Lift-N-Saw		\$26.94	\$29.97

## SOTZ MONSTER MAUL



HIGH STRENGTH STEEL HANDLE

"NEW" CUSHION GRIP



I'm from Missouri, and am stubborn, am 65 yrs. old and tight as a drum. Don't change everyday or every year or even have a desire to change as I've been splitting with wedges ever since I can remember. I've read your ad so many times but never got around to ordering a Manster Maul. But I borrowed my nephew's a few weeks ago and to my surprise its the easiest I've ever split wood including knotty Black Jack. Please send me a Manster Maul quick.  
Matthew Yanck, Haward's Ridge, Mo.

Our 28th Year

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

### TREE LIFT-N-SAW



Eliminates back-breaking lifting of logs for chain sawing and saves time. Lifts logs up to 16" in diameter, any length. No more kick backs, stuck saws, or hitting rocks, ice or the ground. Eliminates ruined chain saws, with longer runs between sharpening. Pays for itself.

\$12 Special Discount Coupon <sup>SAVE</sup>

BUY ANY MAUL AND LIFT-N-SAW  
AT THE SAME TIME AND DEDUCT \$12

### GUARANTEE

Try a MONSTER MAUL AND LIFT-N-SAW AT OUR RISK! Within one year, if you don't think this is the fastest, and easiest way of splitting and cutting firewood, let us know, and we will give you your money back, including shipping...plus they are guaranteed against failure for 10 years.

### "NOW" ALSO MADE IN CANADA

Prices: Call 1-807-222-2323 or write:  
"SOTZ" P.O. Box 1000  
Eor Falls, Ontario POV10