

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

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

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

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

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

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

Beebe/Stevenson prides itself as an

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

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

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

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





# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

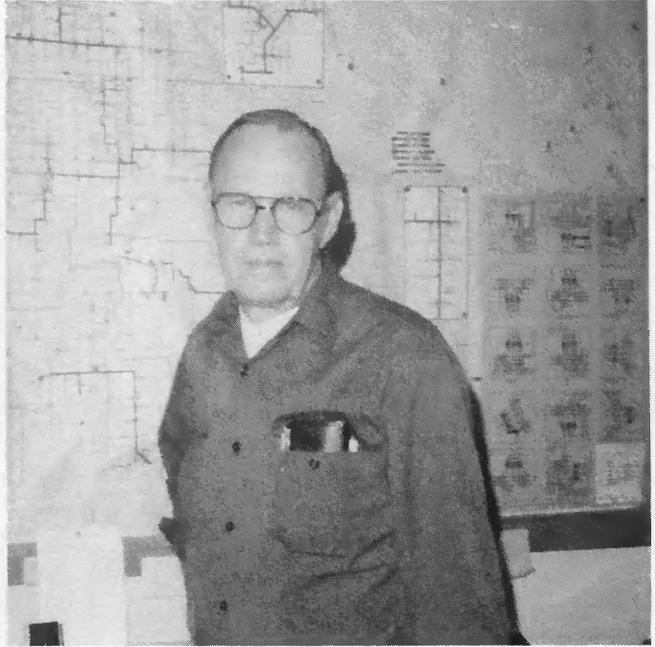
217-774-3986

SHELBYVILLE, ILLINOIS

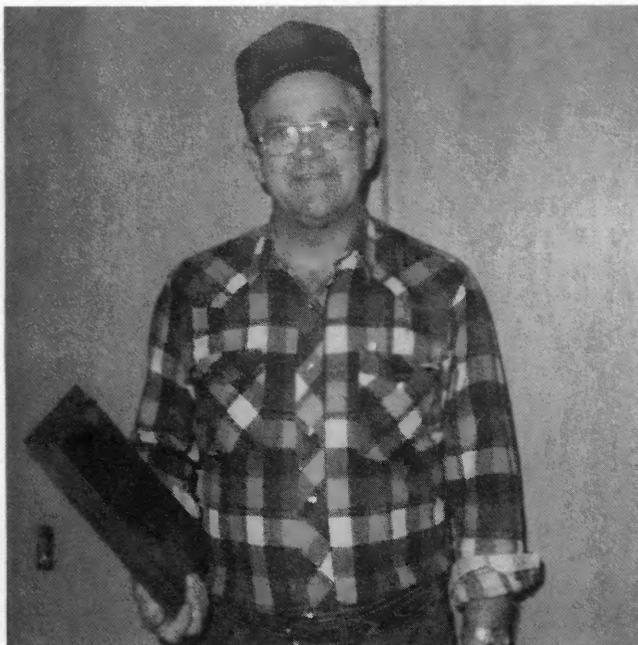
## Retirements at your cooperative



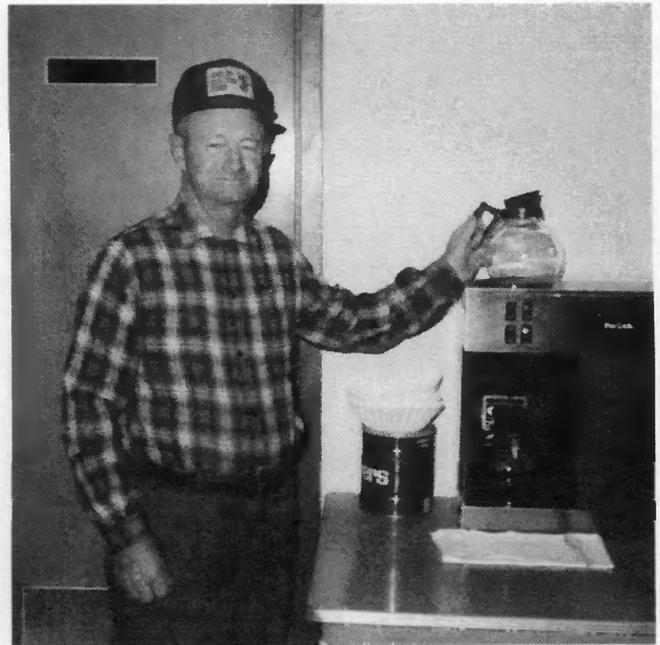
**LeCrone**



**McCabe**



**Banning**



**Lumpp**

## William E. LeCrone

On April 10, 1944, Bill LeCrone began his career with the Shelby Electric Cooperative. Duties at that time were janitorial work, billing, purchasing and warehouse. He reminisces with employees that his starting wage was 50 cents per hour. On December 1 of that year he received 10 cents an hour increase. In 1945, Bill started securing right-of-way for new lines being built after World War II. Today, many of the easements in the Cooperative files bear his signature.

From right-of-way, the next step was public relations and the assistant manager.

On January 1, 1973, LeCrone became the third manager in the history of the Cooperative. He served in that capacity 16 years until retirement January 4.

When asked what the biggest changes are since 1944, Bill says: "On the outside, I would say it is setting a pole! In 1944, we dug the hole and set the pole by hand. Today we have truck-mounted augers and hydraulics to tamp the earth down. Of course, some of the biggest changes on the inside have to do with computers. In 1944, we sent a postcard to the members. They read their cyclometer type meters, sent the reading back to the office, and we figured the bills. At that time, a postcard cost a penny to mail!"

When asked to sum up his career at Shelby Electric, Bill had many thoughts and memories. He recalled something he once said about the cooperative: "One of the things I am grateful to Shelby Electric for is the opportunity to raise my family of four children in Shelbyville: a community I am proud of and a community that has brought many advantages to my family."

After retirement, Bill will have a chance to once again serve his community. From 1957 to 1961 he served on the Shelbyville City Council. From 1961 to 1969, he served as Mayor. Recently, he has announced his candidacy for the Shelbyville Mayor's post.

The LeCrone family: wife, Lois June; children, Bill, Jim, Judy, and Mary; and nine grandchildren have always been of utmost importance to Bill. Following them in order of dedication would undoubtedly be the Shelby Electric Cooperative and the City of Shelbyville.

The staff and employees of the Cooperative extend to William E. LeCrone their gratitude for an excellent relationship between employees and boss. They further wish him much continued success and happiness in the years to come.

## Homer McCabe

"Mac" began his career at Shelby Electric in 1948. His first assignment was framing poles for line construction. He explained that, after the framing, a crew of pole setters came along, then his crew went back and put up all the wire and transformers.

About three months after he came to the Cooperative, he became a lineman and continued his work on construction. In 1950, the service area was divided into territories according to substations. Mac worked with Earl Westenhaver on the Shelbyville and

Neoga territories until 1952, when he became serviceman for Yantisville and North Shelbyville. He continued in that capacity for 16 or 18 years. Mac now holds the title of inspector, which he has held since 1969. This job involves inspecting wiring, handling billing complaints, and repair and maintenance of meters, regulators, and assorted equipment. After retirement January 13, Mac is spending time with his family and working at his acreage near the new Eagle Creek Resort.

## Leo Banning

Starting work in September 1946, Leo Banning reported to the office headquarters of the Cooperative in the Masonic Building in downtown Shelbyville. He worked as a groundman until 1948, when he was promoted to lineman. Most of his work at that time was working on construction in the E and A sections of the territory. In December 1950, Leo and his family moved to Assumption where he was stationed. Marvin Smith was his groundman. In 1976, the Bannings moved back

to Shelbyville and Leo began work in the office as automotive and radio specialist. From that time until his retirement in August 1988, Leo was in charge of vehicle safety and repair, and was responsible for making sure the radios in all vehicles were working properly. After retirement, Leo and his wife, Penny, have enjoyed travelling, and Leo has kept busy with his many hobbies.

## Harry Lumppp

Harry Lumppp started work for the Cooperative on May 30 of 1979. Until the time of his retirement on March 31, 1988, he served as office custodian. Many of his duties were involved in the office area as well

as keeping the grounds in excellent shape. Harry is an avid golfer, and has no problem occupying his time from early spring to late fall.

# **BRIEFLY**

News items of interest to members of Illinois electric cooperatives

---

## **Agricultural wiring workshops scheduled**

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

## **New logo will mark Illinois food and agricultural products**

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

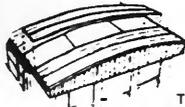
## **Rural electric leaders elected during Farm Bureau meeting**

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

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

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

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



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

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

**KEMCO ALUMINUM** 1-800-458-9659

**SPECIAL COOK BOOK OFFER**

We are offering you one of the most valuable 92-page cook books of this day and time. This exciting cook book has easy practical recipes, new ways to use your homegrown fruits, berries and nuts along with helpful household and cooking hints, old time remedies and recipes from the past, all blended with a touch of humor. This book is only \$4.98 each post paid. If you are not completely satisfied return the book within 30 days and we will refund your money. Mail your order today with personal check or money order, and allow 2 weeks for delivery. Send to: Starley Hand Cook Book Co., Route 2, Box 611, Tyler, TX 75704.

**DID YOU KNOW?**

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

**NEED HELP GETTING UP?**



**GET THE ARTHRITIC LIFT CHAIR**

- A great benefit for people with arthritis
- Stand smoothly without strain
- Enjoy your precious independence
- Sit slowly and safely at the control of a button
- Many models to buy or rent
- In-home demonstration by appointment

*A LIFT CHAIR CAN CHANGE YOUR LIFE*

A MEDICARE APPROVED PRODUCT — ASK US  
**CALL TODAY, ASK FOR FREE CATALOG**

CALL  
TOLL  
FREE

**1-800-428-9234**

(217) 523-5338

**LIFT CHAIRS, INCORPORATED**

1701 E. COOK DEPT IRE 289  
SPRINGFIELD, ILLINOIS 62703

SINCE 1971



**HERITAGE**  
BUILDING SYSTEMS  
1-800-643-5555  
NATIONWIDE SALE

|                     |             |
|---------------------|-------------|
| 30 x 40 x 10 .....  | \$3,485.00  |
| 40 x 60 x 12 .....  | \$6,275.00  |
| 50 x 75 x 12 .....  | \$9,186.00  |
| 60 x 100 x 14 ..... | \$13,895.00 |

Commercial steel buildings featuring easy bolt up assembly. 20-year warranty 20' roof, color walls, engineer stamped permit drawings, with 3000 standard sizes available. FOB factory. Call for price quotes and FREE brochures.

**COME HOME TO COUNTRY LIVING**



**ENJOY COUNTRY LIVING AT ITS FINEST FROM A HOME OF YOUR OWN, INC.**

When you step into your completed home you will be proud to know that you have the highest quality home at the lowest possible price. We buy only the best materials like triple glazed windows and superior quality lumber direct from the manufacturers. This assures the best possible buy on the best available materials. Energy efficiency takes on a new meaning when you are talking about one of our new homes. Extra attic insulation and thicker walls, than in years gone by, give you maximum protection and comfort in the cold winter months. Don't delay — write today! The book of plans is free. You have nothing to lose by looking for a new home of your own.

- |  |  |
|--|--|
| <input type="checkbox"/> Send free plans and information         | <input type="checkbox"/> Energy Efficiency Package information |
| <input type="checkbox"/> Please have a representative contact me | <input type="checkbox"/> Send information on discounts         |
| <input type="checkbox"/> I plan on building a home               |  |

Name \_\_\_\_\_

Address \_\_\_\_\_ Phone ( ) \_\_\_\_\_

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

**"A HOME OF YOUR OWN" INC. Box 158 WELLS, MN 56097**

**Mid America Dental Clinic**  
Frederick C. Lauer, D.D.S.  
**Mid America Hearing Center**  
V. Jean Guison  
Mo. 703 Certified Hearing  
Aid Audiologist

**DENTURES**

**\$195**

**HEARING AID**

**Same Day Service**

In Missouri  
**1-800-422-5113**

Out of State  
**1-800-843-9348**

— OR —  
**DENTAL & HEARING  
AID HOT LINE**

**1-417-466-7185  
1-417-466-7196**

Rt. 3, Box 19C  
Mount Vernon, Mo. 65712



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS



Jim Coleman, Manager

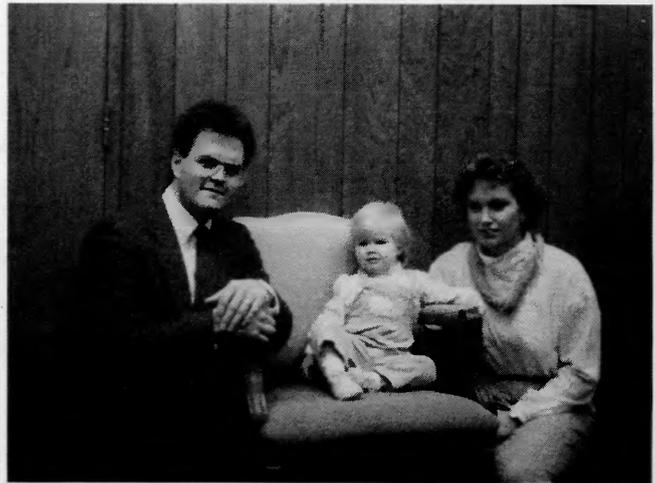
## Shelby Electric

Shelbyville, Illinois

new manager and look forward to meeting you, the member. Please feel free to stop by the office, or call if there is anything you feel needs my attention. The board of directors and I wish you to know that the Cooperative operations and policies will remain as in the past; and you, the member, will remain our utmost concern.

Dear Members,

I am pleased to introduce myself to you as the new general manager of your Cooperative. As you may know, my name is Jim Coleman. I came to Shelby Electric January 9 to replace retiring manager Bill LeCrone. My Wife, Tina, daughter, Ashlee, and I are moving to Shelbyville from Flora, where I was employed by Clay Electric Cooperative. My rural electric career began at Clay in 1978. While attending Eastern Illinois University, I was employed there as a groundman. Upon graduation in 1979, I went directly to Clay full-time as staking engineer. From that position, I moved to operations coordinator and then to operations superintendent. I am very pleased to have been selected as your



The Coleman family — Jim, Tina and daughter Ashlee

## Youth Tour planning under way

We have begun planning the annual "Youth to Washington" Essay Contest. Rules and resource material will be delivered to all area high schools by the time you receive this magazine. A new title for this year's contest has been chosen: "Electric energy — yesterday, today, and tomorrow." We hope area high school sophomores and juniors will contact their English instructors or the Cooperative office for information packets on our contest.

The prize to the winners is once again an all-expense-paid trip to Washington June 16-23. We feel this trip for young people is one of the finest offered and are proud to send our contest winners to participate in the activities sponsored by the Association of Illinois Electric Cooperatives and the National Rural Electric Cooperative Association.

If you have any questions about our Essay Contest, please complete and mail the form below or contact Bob Westenhaver or Suzanne Tate at the Cooperative headquarters for more details. We would very much like to see the 1989 contest be the best ever!

Mail to:

Shelby Electric Cooperative  
P.O. Box 166  
Shelbyville, Illinois 62565

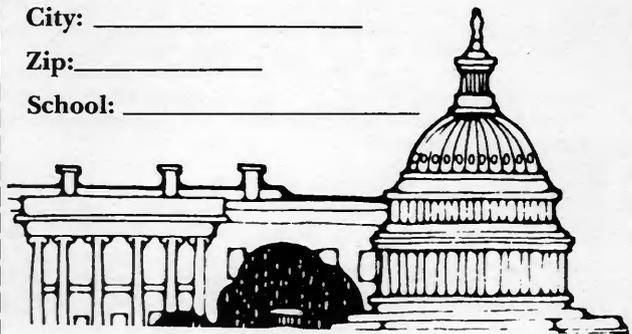
Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Zip: \_\_\_\_\_

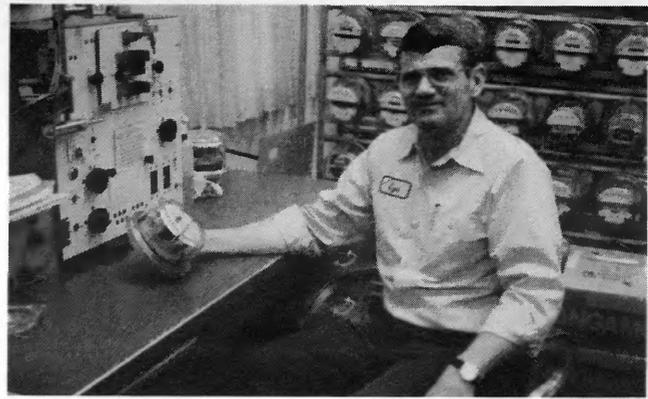
School: \_\_\_\_\_



## Lynn Glick new inspector

Lynn Glick has been named to replace Homer McCabe as inspector at Shelby Electric. Lynn began his career at the Cooperative as a groundman in 1970. He was made a lineman in 1972. Along with working on construction, Glick has spent most of his time working in the Velma and Wenonah territories as maintenance and serviceman.

His new duties will include inspecting members' wiring, testing meters, and handling member inquiries. The Glick family — Lynn, wife, Linda, and sons, Lance and Lane — live in rural Shelbyville and all enjoy hunting and the out-of-doors.



Lynn Glick

## Standby generator needs double-throw switch

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

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

One of the most common misconceptions about portable generators is that they can be plugged directly into a house's circuitry and be used to substitute for the loss of power during an outage. Plugging such a power source directly into your home's circuits can cause serious electrical prob-

lems, including burned out and badly overloaded circuits, creating a fire hazard.

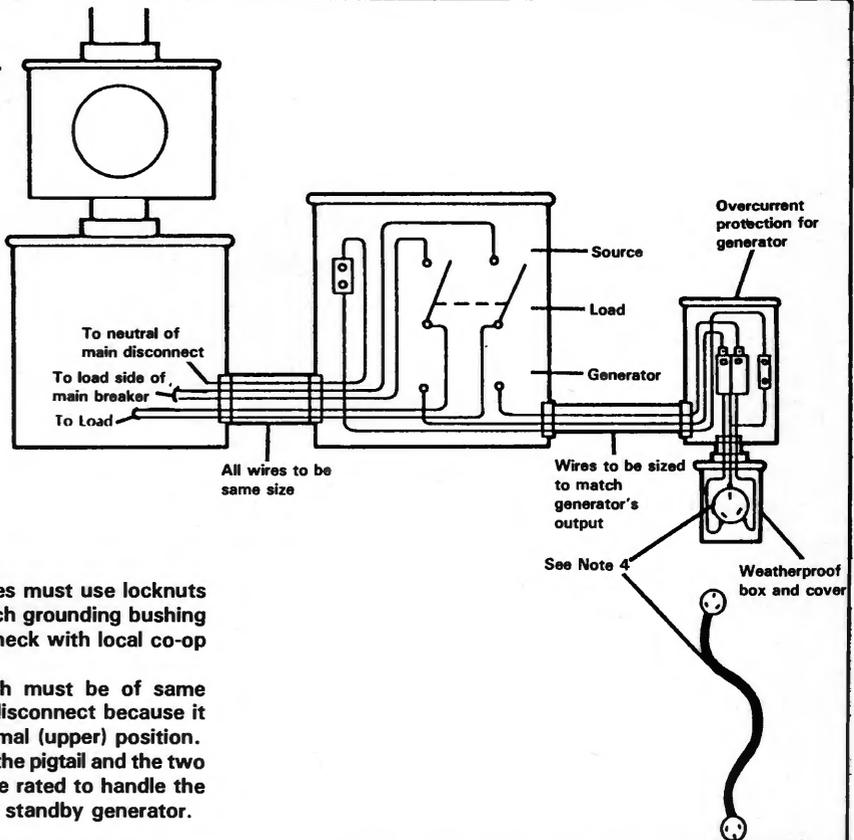
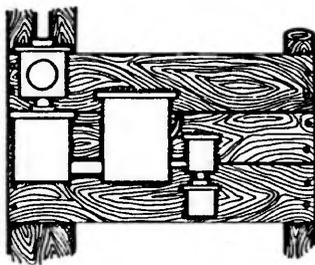
Portable power units are designed and rated to handle specific power loads, which should be carefully adhered to at all times. Trying to operate an entire household circuit system on a portable unit is asking for trouble. In addition, when power is fed into your household circuits from a portable unit it is also being fed into your outside lines, energizing otherwise "dead" lines during outages. Such action can lead to severe damage to the system, as well as

create a serious safety hazard.

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

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

### Emergency standby generator connection on meter pole



#### Notes

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

# What's Better than the Best Gas Furnace?

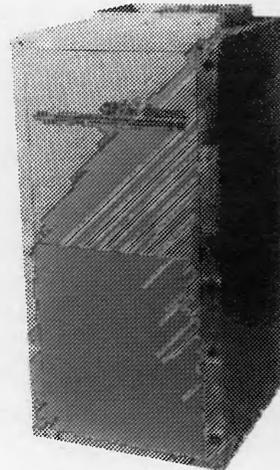
No matter what you've heard about "high efficiency" gas furnaces, there's a heating and cooling system that's up to three times more efficient than the best of them. The WaterFurnace ground source heat pump system.

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

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

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

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



**Climate Control**  
Philo  
(217) 684-2006

**DeRousse Heating & Air Conditioning, Inc.**  
Chester (618) 826-4359  
Sparta (618) 443-3113  
Prairie Du Rocher (618) 284-7227

**Electro Electric, Inc.**  
Flora  
(618) 662-4520

**Ernst Heating & Cooling Co.**  
Hamel  
(618) 633-2244

**Fisher's Heating & Air**  
Murphysboro  
(618) 684-3777

**Holloway Heating & Air Conditioning**  
Mt. Vernon  
(618) 242-5481

**K-C Heating**  
Bloomington  
(309) 828-4814

**L.D. Mechanical Contracting, Inc.**  
Charleston  
(217) 345-9633

**Mattoon Heating & Air**  
Mattoon  
(217) 235-1772

**Merz Sheet Metal**  
Effingham  
(217) 342-2323

**Mel's Refrigeration**  
Batchtown  
(618) 576-9318

**Snell Enterprises, Inc.**  
Viriden  
(217) 965-3911

**Steiner Sales & Service, Inc.**  
Buckley  
(815) 457-2126

**Toennies Service Company**  
Albers  
(618) 248-5130

**Williams Air Conditioning & Heating, Inc.**  
Murphysboro  
(618) 685-3606

**Zink's Plumbing & Heating**  
Robinson  
(618) 544-7015

**WaterFurnace of Illinois**  
P.O. Box 609, Jacksonville, IL 62651

Name \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

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

I am interested in more information about the WaterFurnace systems.

*Trademark of WaterFurnace International, Inc.*

**WaterFurnace**<sup>®</sup>  
Ground Source Heating • Cooling • Hot Water

For dealer in your area:  
contact WaterFurnace of Illinois, or your local electric cooperative

# Don't Be Left in the Dark: Get it all on Rural TV



The Disney Channel  
America's Family Network™



## Unlimited Visions

Toll Free 1-800-824-5102

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

Programming services for  
the satellite dish owner

## Corn Belt Electric Cooperative

1-800-322-6541

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

## Hamilton County Telephone Co-op

Dahlgren, IL 62828

1-800-44RURAL 618-736-2211

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

## Edgar Electric Co-operative

RR 6, P.O. Box 190, Paris, IL 61944

1-800-635-4145 or 217-463-4145

Providing Descrambling Service  
To East-Central Illinois

## Independent Telcom Associates

(A subsidiary of Wabash  
Telephone Co-op)

P.O. Box 288, Louisville, IL 62858

1-800-523-6573

Serving Customers In The Counties Of: Clay, Crawford,  
Cumberland, Edwards, Effingham, Fayette, Jasper,  
Jefferson, Marion, Richland, Shelby, Wabash And Wayne.

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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS

## How much electricity do common appliances use?

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

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

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



## Co-operation

on call in good weather . . . and bad.

When Mother Nature shows her worst side, we appreciate them the most. We're talking about the line crews at your electric cooperative, on call 24-hours daily in good weather and bad.

When the lights go out in the middle of the night, it's good to know that the line crews at your electric cooperative are there. With little notice they'll be on the scene, doing their best to get the power back on and keep it flowing for their employers . . . you, the cooperative members. Cooperative line crews brave nature's elements, often off the road in deep snow or 40 feet off the ground working the overhead lines. And, safety must be foremost in their minds at all times.

Keeping the electricity flowing is dangerous work . . . in good weather and bad. Members like you can count on cooperative linemen to get the job done . . . and keep the power flowing.

**Shelby Electric Cooperative**  
**Telephone 774-3986 P.O. Box 166**  
**Shelbyville, IL 62565**

# Let us know if lines are low

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

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

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

The minimum ground clearance for electric lines that cross railroad tracks is 27 feet.

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

## Statement of nondiscrimination

It is the policy of Shelby Electric Cooperative to assure that no person in the United States shall, on the ground of race, color, national origin, age, sex, or on the basis of handicap, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the conduct of its business and the operation of its facilities. Under this assurance, this organization is committed not to discriminate against any person on the ground of race, color, age, sex, national origin or on the basis of handicap in its policies and practices relating to applications for service or any other policies and practices relating to treatment of beneficiaries and participants including rates, conditions and extension of service, use of any of its facilities, attendance at and participation in any meetings of beneficiaries and participants or the exercise of any rights of such beneficiaries and participants in the conduct of the operations of this organization.



## During a power outage . . . Your response helps ours

When you call your electric cooperative to report an outage, chances are that you'll receive a busy signal. Members served by the same power line or substation that serves you will also be phoning in their reports . . . and that could mean dozens or even hundreds of incoming calls. We realize it can get a little frustrating to call your cooperative repeatedly and continue getting a busy signal. But we ask your patience and understanding . . . and your help.

You see, the more calls we receive from members, the easier it becomes for us to determine the extent and source of the outage and the faster we can dispatch our crews . . . Besides, you shouldn't assume that your neighbors have reported the outage. They may have phone trouble or might not even be home. And waiting to report an outage could mean unnecessary delays in having your service restored.

We do ask that you check your breakers and fuses before you phone us. If they're okay, call your neighbor to see if his power is off. Then call your cooperative and be prepared to provide us with the information we need to help locate you and the possible problem.

We regret the inconvenience caused by an electrical outage—whether the cause is a vehicle accident, a trespassing raccoon or a severe thunderstorm—but with your help, those of us at the other end of the telephone line will do everything possible to restore your electric service safely and quickly.

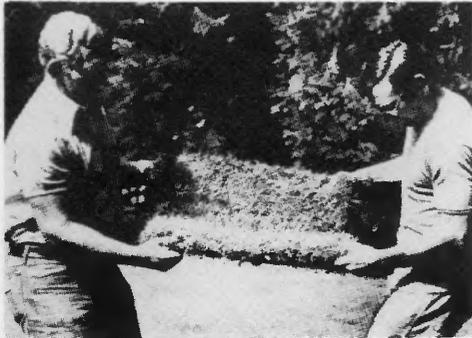
**To report outages during office hours, call:  
774-3986**

**To report outages after hours (nights,  
weekends, holidays), call: 774-3986**

**Please give your account number when  
reporting your outage. Example—S714-5.**

**Shelby Electric Cooperative**  
**Telephone 774-3986 P.O. Box 166**  
**Shelbyville, IL 62565**

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



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

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

By John T. Jackson

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

## "MOWED IT 2 TIMES," WRITES WOMAN

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

## LAWN WATERED ONLY ONCE

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

## NO NEED TO RIP OUT PRESENT GRASS

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

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

## FREE! UP TO 900 PLUGS!

### CHOKES OUT CRABGRASS

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

### FOR SLOPES, PLAY AREAS, BARE SPOTS

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

### NO SEED, NO SOD!

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

### CUTS YOUR WORK, SAVES YOU MONEY

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

### YOUR OWN SUPPLY OF PLUG TRANSPLANTS

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



... until summer comes to burn the lawn into hay, or crabgrass and diseases infest it. That's what happens to ordinary grass, but not to Amazoy Zoysia.



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

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

### WEAR RESISTANT

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

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

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

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

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

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

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

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

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

Order now for your FREE Bonus Plugs.

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

Please send me guaranteed Amazoy as checked below:

|  |   |  |  |
|--|---|--|--|
| <input type="checkbox"/> 100 PLUGS Plus 20 FREE                    | <input type="checkbox"/> 100 PLUGS Plus 30 FREE with Plugger        | <input type="checkbox"/> 300 PLUGS Plus 60 FREE  | <input type="checkbox"/> 300 PLUGS Plus 90 FREE with Plugger |
| <b>\$5<sup>95</sup></b><br>Total 120 Plugs                         | <b>\$9<sup>95</sup></b><br>Total 130 Plugs Plus Plugger             | <b>\$12<sup>95</sup></b><br>Total 360 Plugs  | <b>\$16<sup>95</sup></b><br>Total 390 Plugs Plus Plugger     |
| <input type="checkbox"/> 600 PLUGS Plus 180 FREE with FREE Plugger | <input type="checkbox"/> 1500 PLUGS Plus 450 FREE with FREE Plugger | <b>SPECIAL OFFER!</b><br><input type="checkbox"/> 3000 PLUGS Plus 900 FREE with FREE Plugger |  |
| <b>\$25<sup>95</sup></b><br>Total 780 Plugs Plus Plugger           | <b>\$49<sup>95</sup></b><br>Total 1950 Plugs Plus Plugger           | <b>\$69<sup>95</sup></b><br>Total 3900 Plugs Plus Plugger                                    |  |

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

I Enclose \$ \_\_\_\_\_  Check  M.O.

Charge credit card  VISA  MasterCard

Acct. # \_\_\_\_\_

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

Signature \_\_\_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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

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

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

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

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

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

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

## Heat and phase change

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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS

## Flat Branch Fur Company

Some memories are worth preserving—especially “that one that **did not** get away!” The Flat Branch Fur Company of rural Moweaqua—and specifically owner David Good—is in the business of taxidermy—preserving hunters’ and fishermen’s prized trophies.

Good explains that his business evolved from an interest in taxidermy he had several years ago. He took his hunting prizes to Norris

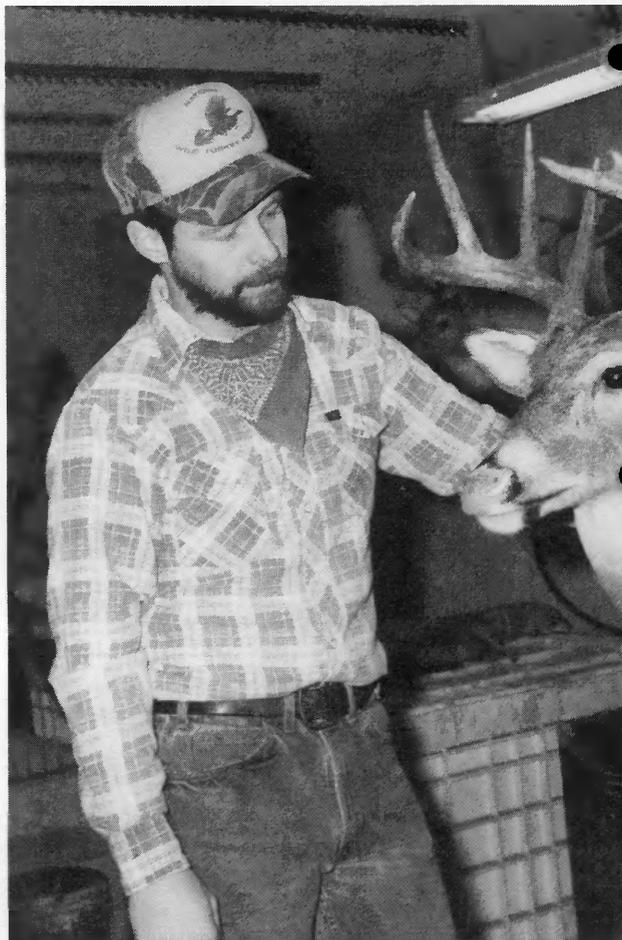
Hill of Taylorville for mounting. As he watched Hill work, he discovered he wanted to learn more. Hill took Good as an apprentice and he spent the next four years learning Hill’s craft. Good explains that there are short schools that teach taxidermy, but they do not have the time to teach the “art of the business.” After apprenticeship, Good and Hill formed a partnership that lasted four more years until Hill was

forced to retire for health reasons.

Good is now carrying on the tradition by teaching his apprentice, Tom Addison, his skills. They explain that their main business comes from deer and pheasant mounts. Good explains: “They pay the bills, but we’re busy after the hunting seasons with fish and other projects.” He says fish can be brought in any time, and frozen until the work load permits mounting.



David Good (left) and Tom Addison pose outside the Flat Branch Fur Company on a cold, wintery day.



David Good adds the finishing touches to a customer's mount.

Knowing nothing about their business, we asked Good and Addison what is involved in the mounting of a deer head. They explained that hunters bring them the deer head and hide. The hide is tanned in a professional tanners' chemical solution. No dry preservatives are used in their process, as the chemical process will last indefinitely. (They also make repairs to previously mounted exhibits that were not properly preserved.)

Good manufactures and orders various sizes of deer mannequins. This is a base deer head made of hard styrofoam. A special hide paste is applied to this form, and the hide is set to the mount. The job is finished by sewing delicate stitches down the base of the neck. Special top-quality glass eyes add that final touch of realism. Good and Addison estimate they have 30 to 40 hours of time in each of their deer mountings from start to finish.

When asked about the fur trading part of their business, Good answers

that our area supports raccoon, muskrat, fox (red and grey), coyote, beaver, and mink. He said that the fur market has not been profitable lately, and he has not been buying from hunters and trappers.

Many hunters like to have clothing made from their deer hides, etc. Good explains that he does the hair-on tanning at his



**Tom Addison models a hat made from a full coyote pelt. He says many black powder enthusiasts enjoy wearing such headgear.**

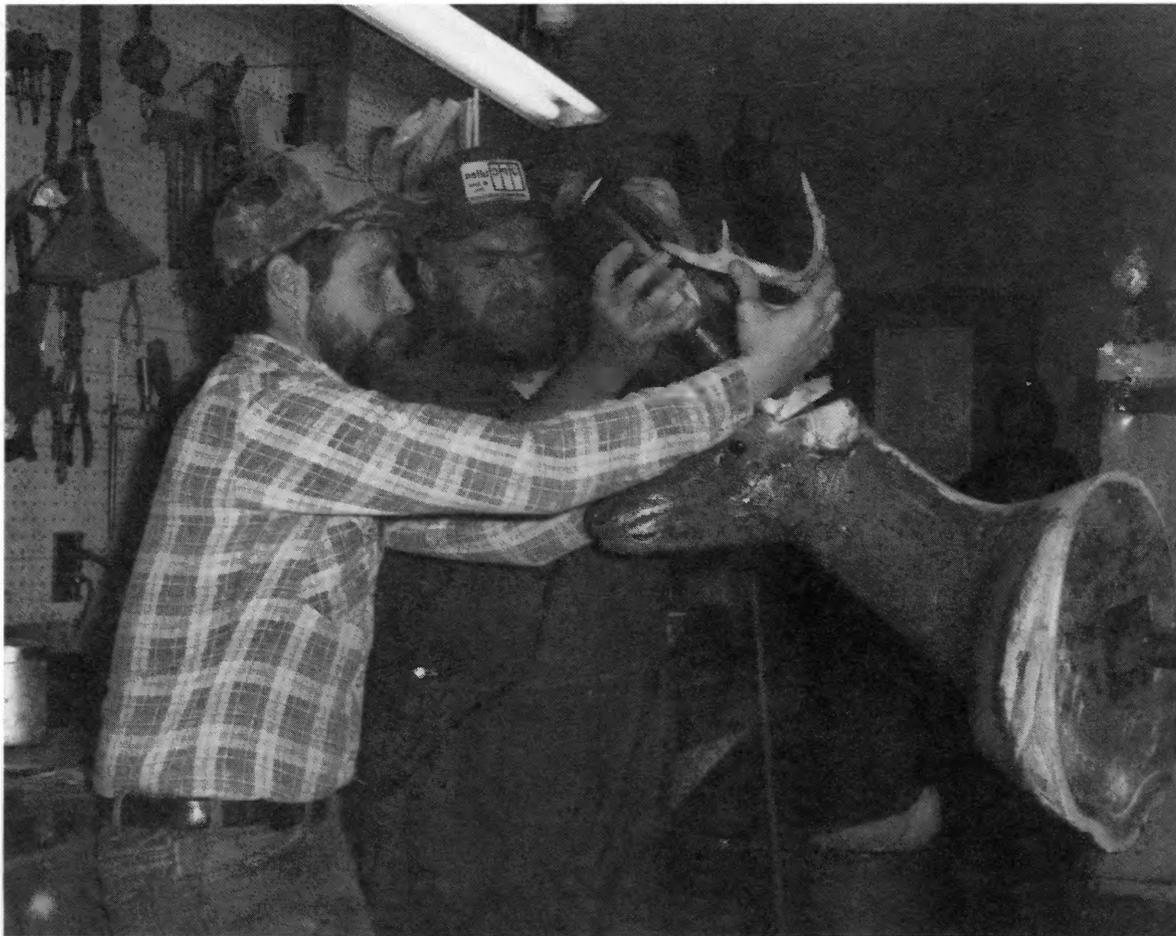
premises, but sends away all hides that require buckskin tanning. They specially mark all hides being sent away to assure the customer of receiving his own back from the tanner. The customer will then send the tanned product off to have the article of clothing made.

Being true outdoorsmen, Good and Addison go to Canada in May. For four weeks, they act as guides in bear camps. Not only are they expert at preserving their customers' prizes, they often bring back trophies of their own to either mount or make into bear rugs.

*(We thank David Good and Tom Addison for taking time to explain their craft and work to us. We are always interested in what the Shelby Electric members are doing for work or hobby. If you know of someone you think we would be interested in visiting to interview for the Illinois Rural Electric News, please give Bob Westenhaver or Suzanne Tate a call at the cooperative office. We would be pleased to share with our readers anything of interest!)*



er's prized deer



Addison and Good apply hide paste to a mannequin in preparation of mounting the tanned hide.

# Soyland, WIPCO merger complete

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

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

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

The merger of the two cooperatives,

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

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

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

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

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

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



1990," Chapman added.

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

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

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

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

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

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



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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS

## Assorted happenings at your cooperative



Lewis R. Houston, director of outside operations since 1973, retired March 30. Shown here with manager Jim Coleman, Houston looks over his retirement gifts. On July 6, 1948, Lewis was hired as a groundman on the line stringing crew. He remember having to wait until July 6 to start his employment because "the manager did not want to have to give a new employee July 4 holiday pay!." In 1949, Houston became an apprentice lineman and in 1958 he took a maintenance truck and was responsible for the Richland and Neoga territories. He became line foreman in 1968 and was in charge of all construction until he came in to the office in 1973. As director of outside operations, Lewis was responsible for assigning all construction and maintenance crews, supervised collection procedures, and dispatched all crews for outages. The employees of the Cooperative wished Lewis the best of luck in his new career as fisherman, gardner, and camp cook at his cabin on the Kaskaskia.



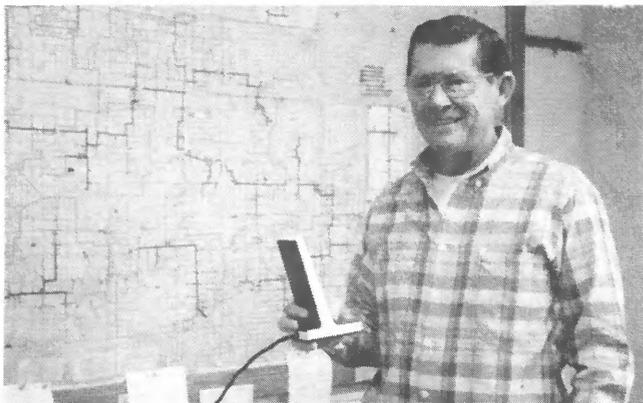
From left, Wampner, Walden, Brunk, and lineman Larry Shuff look over the truck inspection reports.

# Look

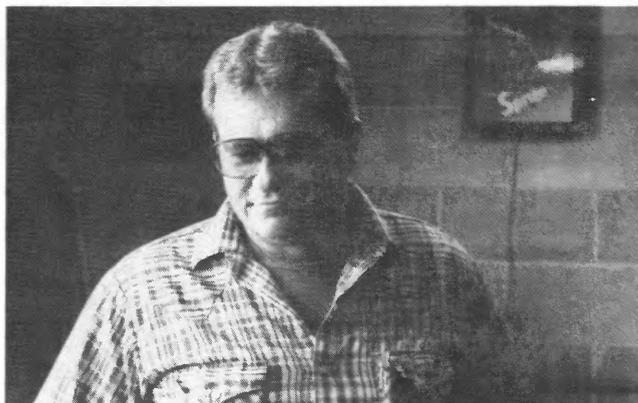
A close pass at your field's edge means more rows, but extended farm implements are a power pole guy wire. The result is a During the busy planting season and throughout the year at all times—use care around electric lines. Look out...and live to see another crop.



Shelby Electric Cooperative has recently completed a series of complicated procedures and applied for safety accreditation from the National Rural Electric Cooperative Association. Outside operations director Brunk completed paperwork to be submitted to the NRECA Safety Committee detailing every aspect of the Cooperative's safety and work program. Federated Insurance inspector Jerry Wampner (center) met with Brunk (right) and AIEC safety coordinator Dave Diederich to inspect the plant, vehicles, and outside facilities of the Cooperative.



Replacing Lewis Houston as director of outside operations is Delmar Brunk. An employee since 1956, Delmar is the former Cooperative line foreman.



Stepping in as Brunk's replacement is lineman Homer "Butch" Walden. He will now be helping oversee the outside construction.

# out . . .

# and live!

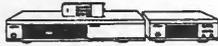
net you a few  
ts can also snag  
rvest of hazard.  
ush of harvest—  
and equipment.  
grow.



## MAY SPECIAL

Enjoy Home Satellite Television  
Over 100 Channels Available  
2300 Movies—2400 sporting events  
— 1400 Children's Programs Monthly

### Receivers



- Houston Tracker
- Uniden
- Drake
- Toshiba
- Tee-Comm
- Cheyenne
- STS



\$1995 + Tax & Installation

We also service, repair and upgrade all older satellite systems. Call us for a free estimate!

### TWIN CITY SATELLITE

Shirley, Illinois  
(309)829-8986

Hrs: Open 7 days a week, 9am-9pm

5 Year Financing Available—No Money  
Down—14% Interest with Approved Credit

# DENTURES \$99 ea.

UPPER AND/OR LOWER FITTED IN ONLY ONE DAY!

- PARTIAL DENTURES  
Acrylic (Plastic) - \$99 ea.  
Metal - \$195 ea. (10 work days)
- EXTRACTIONS  
With Dentures - \$5 ea.
- Denture Examination - No charge
- Follow-up Adjustment - No charge
- Repairs and Other Dental Services  
(Fee List Available)

Be In Between 8 a.m. - 11 a.m. And In  
Most Cases Have Your Custom Dentures  
The Same Day! (Saturday By Appointment  
Closed Mondays)  
Materials are ADA Approved

- MASTERCARD, VISA, DISCOVER &  
Cash Accepted

Dr. Salera Is A General Dentist Not A Prosthodontist

**ABC Dental Services**  
**Dr. Donald Salera, D.D.S.**  
13131 Tesson Ferry Rd. - Suite 200  
St. Louis, MO 63128  
**(314) 849-3377**  
Collect Calls Accepted



## NEED HELP GETTING UP?

### GET THE ARTHRITIC LIFT CHAIR

- A great benefit for people with arthritis
- Stand smoothly without strain
- Enjoy your precious independence
- Sit slowly and safely at the control of a button
- Many models to buy or rent
- In-home demonstration by appointment

*A LIFT CHAIR CAN CHANGE YOUR LIFE*

A MEDICARE APPROVED PRODUCT — ASK US  
**CALL TODAY, ASK FOR FREE CATALOG**

CALL  
TOLL  
FREE

**1-800-428-9234**

(217) 523-5338

## LIFT CHAIRS, INCORPORATED

1701 E. COOK DEPT IRE 589  
SPRINGFIELD, ILLINOIS 62703



SINCE 1971

### Vidalia Sweet Onions

Free Sample Vidalia Gold Onion Pickles  
or Relish with ad and order for 25 or 50#  
onions. Ground or 2nd day air Federal Ex-  
press. Free List, Linda Allen, Drawer F,  
Vidalia, GA 30474. 912-537-9595,  
537-9260. 1-800-444-9540.

### LIFETIME TANK COATINGS

Stop all leaks in steel and concrete  
— Prevent rust forever. Roof coat-  
ings for tar paper, composition  
shingles, and metal buildings.  
Anyone can apply all coatings. Fix  
it once and forget it. Serving Farm  
& Ranch Since 1950. Let us send  
you complete information.

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



**HERITAGE**  
BUILDING SYSTEMS  
1-800-643-5555  
NATIONWIDE SALE

|               |             |
|---------------|-------------|
| 30 x 40 x 10  | \$3,485.00  |
| 40 x 60 x 12  | \$6,275.00  |
| 50 x 75 x 12  | \$9,186.00  |
| 60 x 100 x 14 | \$13,895.00 |

Commercial steel buildings featuring easy bolt up  
assembly. 20-year warranty 20# roof, color walls,  
engineer stamped permit drawings, with 3000 standard  
sizes available. FOB factory. Call for price quotes and  
FREE brochures.

### Free Picture Catalog Chicks, Turkeys, Ducks, Pheasants, and Guineas

Poultry  
Shown in  
Color

Over 60 Varieties. Chicks,  
Rare Breeds, Fighting Games, Jungle Fowl, Ducks,  
Bantams, Pheasants, Turkeys, Chukars, Guineas.  
Books, Incubators, and supplies. Safe shipment  
nationwide. We accept Mastercard & Visa. **Send**  
for **FREE Big new colorful picture catalog.**

**MARTI POULTRY FARM**  
Box 27-7, Windsor, Missouri 65360  
Telephone — 816 647-3156



## Create Your Family's Own Heirloom Cookbook We Did!

Fun! Easy! Great family gift and keepsake  
How-to booklet, includes many sample  
favorite recipes complete  
instructions, recipe forms

Name \_\_\_\_\_

Address \_\_\_\_\_

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

Send \$5 (Plus \$1.50 mailing and handling)  
to: "Cook Book," Bootstrap Publications  
P.O. Box One, Glenarm, Illinois 62536

## **Soyland Power first to join community development program**

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

## **Corn, soybeans continue to dominate Illinois' agriculture**

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

## **Bankruptcy code no shield from power charges**

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

## **Rural electrics have good payment record**

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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS

## John's Upholstery

# Sporty interiors

The world has long continued a love affair with sports cars of every size, description and color. Doesn't everyone look twice when a shiny, red sports model passes by? Don't you picture yourself behind the wheel of that magnificent machine?

John Hall, A Shelby Electric member, does more than dream of sports cars. He is on the ground floor in the manufacture of new automobiles. John has operated John's Upholstery, a busy upholstery business for his location in rural Cowden. He has recently shifted his attention to automobile interiors.

Randy Berry of Potomac (Vermillion County) manufactures a prototype of the Lamborghini sports car; Hall is responsible for the entire interior. John explains that Berry builds the frame and suspension from scratch—not a kit. The body is kevlar—a form of fiberglass. His first mold was made entirely of wood, and made by hand. Berry has six units in various stages of completion. He builds these models and also takes orders for special automobiles.

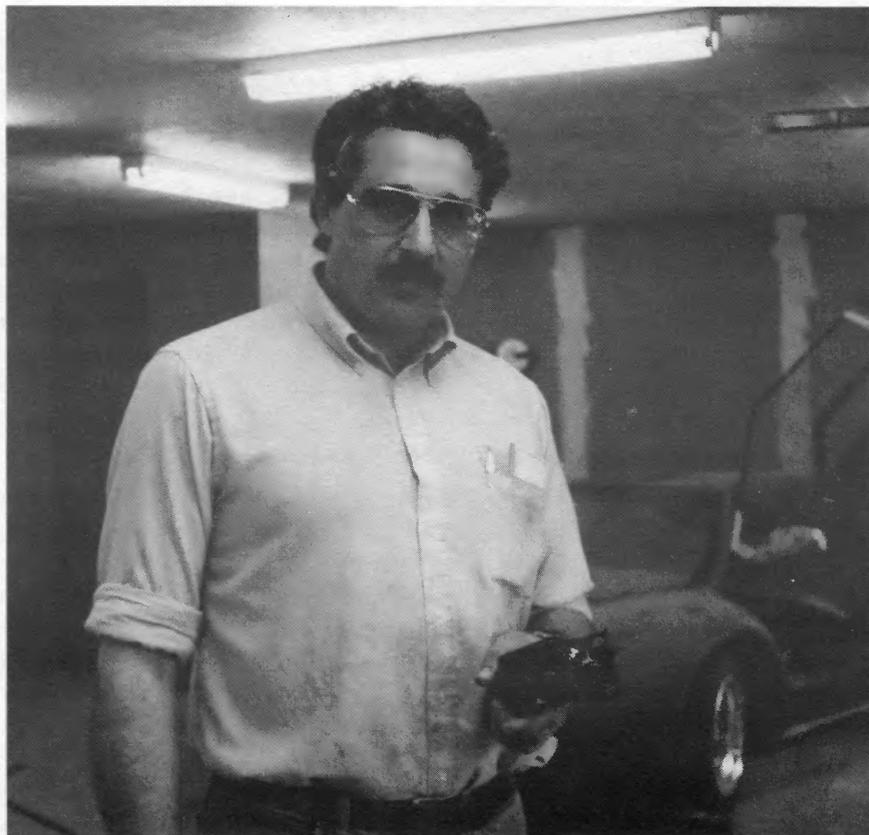
When Hall receives the body, it is unpainted and totally devoid of interior. He builds, upholsters, and carpets the cockpit to the maker's specifications. He explains the work is very tedious, as most of it must be done on his hands and knees. Most of the work is fabricated in his shop, but the seats are specially ordered units. They are equipped with heaters, all-electric controls, and stereo headsets in the headrests. When asked,

John says that if he worked full-time on the vehicle, he could complete the interior in about four weeks.

Working full-time on one project is not always possible. Hall has recently formed a new partnership—T&J Powder Coating—with friend Terry Blickem. They are working with a new form of metal finishing. This process takes a commercially prepared powder that bonds to any metal surface when specially heated. The

powder comes in an infinite number of colors and produces a beautiful, chip-proof finish that very much resembles porcelain.

Whether working on a new paint process, or working on a brand new car interior, it's never boring at John's Upholstery. He takes great pride in the part he plays in the manufacture of the shiny, red, restyled Lamborghini that will be turning heads wherever it goes!

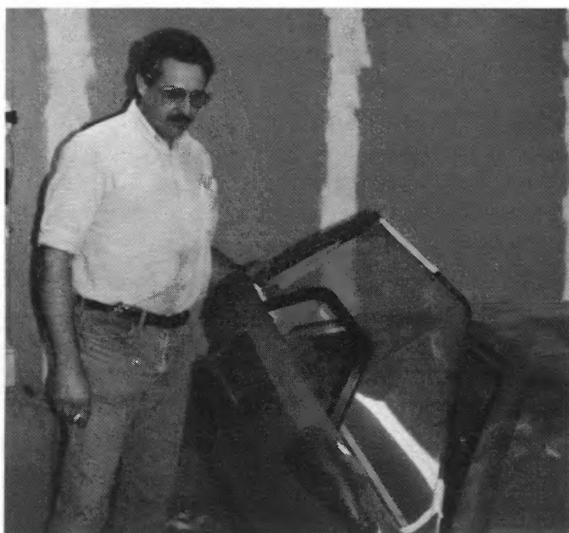


Hall displays a part recently painted by using the new powder coating process.

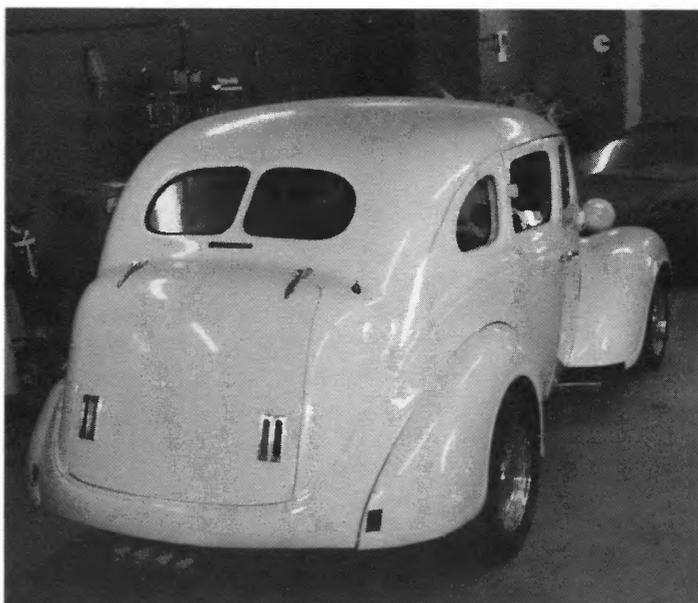


The bare interior of the Lamborghini as received from Randy Berry. It will soon be outfitted in beautiful gray leather.

The old and the new—car interiors are the specialty at John's, no matter what the vintage.



John Hall demonstrates the gull-wing door assembly on the prototype.



The body of the restyled Lamborghini Countach awaits Hall's interior work. When complete, it will contain a twin-turbocharged Chevy 350 engine capable of 660 horsepower.

## GFCI: lifesaver

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

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

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

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

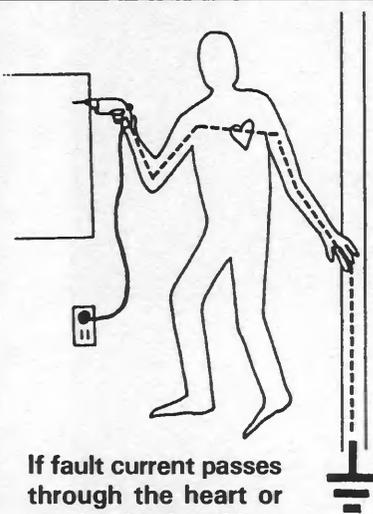
If the above conditions are "just right," a 120-volt electrical shock can be

fatal. For instance:

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

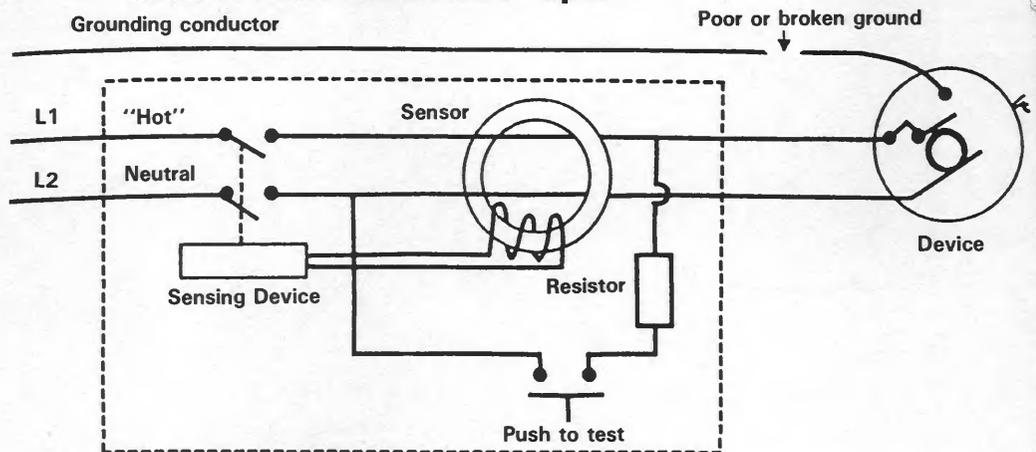
There are more people killed each year on 120-volt shocks than from high-voltage power lines. Anytime you feel a little "tingle" from an electrical appliance, be cautious. Disconnect it immediately and get a qualified electrician to inspect and correct it.

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



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

### Ground fault circuit interrupter



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

# These Special Features Maximize Your Protection

## • You Are Guaranteed Acceptance

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

## • First Day Protection

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

## • Benefits For A Lifetime

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

## • Pays On Top Of Any Insurance

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

## • Money To Spend As You Choose

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

## • Coverage Is Good At Any Hospital

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

## • Rate And Renewal Safeguard

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

## • Please Note These Limitations

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

## • Four Plans To Fit Family Needs

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

## • Money-Back Guarantee

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

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

### OPTION A

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

|              | 39 & under | 40 & over |
|--------------|------------|-----------|
| Individual   | \$18.45    | \$21.20   |
| Husband-Wife | 34.35      | 39.30     |
| All-Family   | 44.15      | 49.10     |
| One-Parent   | 28.25      | 31.00     |

### OPTION B

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

|              | 39 & under | 40 & over |
|--------------|------------|-----------|
| Individual   | \$12.95    | \$14.95   |
| Husband-Wife | 24.35      | 28.05     |
| All-Family   | 31.15      | 34.85     |
| One-Parent   | 19.75      | 21.75     |

### OPTION C

Pays \$900.00 A Month—\$30.00 A Day!

|              | 39 & under | 40 & over |
|--------------|------------|-----------|
| Individual   | \$ 8.55    | \$ 9.95   |
| Husband-Wife | 16.35      | 19.05     |
| All-Family   | 20.75      | 23.45     |
| One-Parent   | 12.95      | 14.35     |

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

## Your Policy Will Arrive In This Handsome Document Holder



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

## Get One Month of Protection Free

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

## Call Us FREE If You Have Any Questions

If you have questions or need help, please call us! Dial toll-free 1-800-325-6300, from 8 a.m. to 8 p.m., Central Time, Monday through Friday, and from 9 a.m. to 1 p.m., Saturday.

## Enroll Today—Here's How:

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

# GUARANTEED ACCEPTANCE FORM—Physicians Mutual Protection Plus Hospital Plan

(Please Print)

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

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

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

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

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

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

**Select Option You Prefer** (check one)

**OPTION A** Pays \$2,250.00 a month (\$75.00 a day) 48991-503  
 **OPTION B** Pays \$1,500.00 a month (\$50.00 a day) 48991-502  
 **OPTION C** Pays \$900.00 a month (\$30.00 a day) 48991-501

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

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

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

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

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

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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS



Part of the large crowd

## **Annual meeting news:**

# Stable rates ahead

Electric rates for Shelby Electric Cooperative will remain stable, at least through the end of 1989. The rate announcement was made by James E. Coleman, Shelby manager, in his first report to members at the annual meeting June 15, at the Shelby County 4-H Fairgrounds in Shelbyville.

Coleman said rates for the not-for-profit, member-owned electric cooperative are not influenced by rate increases recently approved for customers of Illinois Power Company. He said wholesale electric rates charged by Shelby's power supplier, Soyland Power Cooperative, are projected to remain stable

or track at or below the rate of inflation for the next 10 years.

Members of Shelby Electric Cooperative have not had an electric rate increase since December 26, 1985.

Shelby board president Neil E. Pistorius of Blue Mound reminded the approximately 2,000 members

and guests attending the annual meeting that the cooperative is debt free after paying off all debts to the Rural Electrification Administration and the National Rural Utilities Cooperative Finance Corporation last year. Funds previously used to retire debt are now being invested in the cooperative's physical plant, Pistorius advised members. He said electric line is being replaced as much of it was installed in the 1930s and 1940s, and substations will be upgraded.

Coleman said the investments in facilities are necessary to continue to ensure members reliable electric service. The board of directors and employees are committed to maintaining a high level of service for the member-owners, he said.

Coleman became manager in January following the retirement of long-time manager William E. LeCrone, who is currently serving as mayor of Shelbyville. Coleman is a 10-year veteran of the rural electrification program, coming to Shelbyville from Clay Electric Cooperative at Flora where he was operations superintendent.

Kenneth E. Kensil of Tower Hill, Shelby treasurer, reported that, due to increased kilowatt-hour sales, revenue in 1988 reached nearly \$12.9 million. Patronage capital and margins totalled \$267,034, and 1988

was the first year in its 51-year history the cooperative has operated without any interest expenses.

Guest speaker for the afternoon was Leland Glazebrook of Sullivan, a long-time Decatur area radio personality. Before the annual meeting a pork chop dinner was served by Shelby County Pork Producers Association.

During the official business meeting of the cooperative, mem-

bers voted to reelect Victor Jostes of Nokomas and Robert H. Primmer of Findley to three-year terms on the cooperative's board of directors.

Following the annual member's meeting, the board of directors met to reorganize for the coming year and reelected Pistorius as president. Other officers are Primmer, vice-president; Lawrence D. Oller of Taylorville, secretary; and Kensil, treasurer.



**James E. Coleman, right, manager of Shelby Electric Cooperative, congratulates two members of the cooperative's governing board upon their reelection by members at the 51st annual meeting of the cooperative. Reelected to three-year terms were Victor Jostes of Nokomis, left, and Robert H. Primmer of Findlay.**



**Mrs. Lyle E. Eversole of rural Assumption won the annual meeting grand prize, an 80-gallon, stone-lined Sepco electric water heater.**

### Important Notice

The Board of Directors of Shelby Electric Cooperative approved the following changes in policies and fees charged at their regular meeting on June 26, 1989:

#### Changes in fees charged

|   |         |
|---|---------|
| Collection for Past Due Bill                              | \$30.00 |
| Collection of Returned Check                              | \$30.00 |
| Reconnect Fee—During Regular Working Hours                | \$30.00 |
| Connect/Reconnect Fee After Hours, Weekends, and Holidays | \$75.00 |
| Trip Charge and/or Meter Reading Fee                      | \$30.00 |

#### Meter deposits and connection fees

Meter Deposits will no longer be charged. Existing deposits will be refunded following the present policy.

A connection fee of \$20.00 will be charged for each meter. This is a non-refundable fee charged at the time service is instituted in a member's name. Members having inactive memberships for connection may have the \$20.00 fee added to the first stub of the new meter book. New (first time) members must pay this fee with the \$5.00 membership fee.

**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. Serving Farm & Ranch Since 1950. Let us send you complete information.

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



**CHOIR ROBES**  
 EXPERT TAILORING **\$23<sup>95</sup>** up

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

Toll Free 1-800-826-8612

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

**Mid America Dental Clinic**  
 Frederick C. Lauer, D.D.S.  
**Mid America Hearing Center**  
 V. Jean Gulson  
 MO. 703

**OPEN SATURDAYS**

**DENTURES**

**\$195**

**HEARING AID**  
 Same Day Service  
 Denture Repair  
**\$ 30.00**  
 Hearing Aid Repair  
**\$ 60.00**  
 If Repairable

**DENTAL & HEARING AID HOT LINE**  
**1-800-843-9348**  
 Rt. 3, Box 19C  
 Mount Vernon, MO 65712

**NEED HELP GETTING UP?**



**GET THE ARTHRITIC LIFT CHAIR**

- A great benefit for people with arthritis
- Stand smoothly without strain
- Enjoy your precious independence
- Sit slowly and safely at the control of a button
- Many models to buy or rent
- In-home demonstration by appointment

*A LIFT CHAIR CAN CHANGE YOUR LIFE*

A MEDICARE APPROVED PRODUCT — ASK US  
**CALL TODAY, ASK FOR FREE CATALOG**

CALL TOLL FREE **1-800-428-9234**

(217) 523-5338

**LIFT CHAIRS, INCORPORATED**  
 1701 E. COOK DEPT. IRE 789  
 SPRINGFIELD, ILLINOIS 62703

SINCE 1971

|   |   |
|---|---|
|  <p><b>Programming services for the satellite dish owner</b></p>   | <p><b>Corn Belt Electric Cooperative</b><br/>         1-800-322-6541<br/>         P.O. Box 816, Bloomington, IL 61702-0816<br/>         Something New From An Old Friend</p>  |
| <p><b>Independent Telcom Associates, Louisville, Ill.</b><br/>         1-800-523-6573</p> <p>For Limited Time Only, We Will Provide 0% Financing To Qualified Buyers Of Complete Satellite Systems.</p> <p>Serving Customers In Clay And All Surrounding Counties.<br/> <small>(A subsidiary of Wabash Telephone Co-op)</small></p> | <p><b>Edgar Electric Co-operative</b><br/>         RR 6, P.O. Box 190, Paris, IL 61944<br/>         1-800-635-4145 or 217-463-4145<br/>         Providing Descrambling Service To East-Central Illinois</p>                             |
| <p><b>Unlimited Visions</b><br/>         Toll Free <b>1-800-824-5102</b></p> <p>P.O. Box 96, Paxton, IL 60957<br/>         Unlimited Visions Is A Subsidiary Of Eastern Illini Electric Cooperative.<br/>         VC II Decoder Leasing Available</p>   | <p><b>Hamilton County Telephone Co-op</b><br/>         Dahlgren, IL 62828<br/>         1-800-44RURAL 618-736-2211<br/>         Representing Egyptian, Southeastern Illinois, Southern Illinois and Tri-County Electric Cooperatives</p> |

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

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

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

for tour groups and school field trips.

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

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

## Tour Schedule

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

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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS



Buck-a-Roo arrives a few hours after his birth. Judy is already worrying about the proper baby formula. Today, he and his new companion are thriving.



Above: Precious, the flying squirrel, weighs in (in the kitchen). At the time of photo, she had doubled her weight.

Left: Larry Johnston rushes to build a cage for the newly arrived fawn.

## Giving wildlife a helping hand



Care of All  
Orphaned or Injured Wildlife

**Wildlife  
Rehabilitation Center**

Debbie Lamb  
Ph. 217-567-3194

Larry & Judy Johnston  
Ph. 217-562-4047

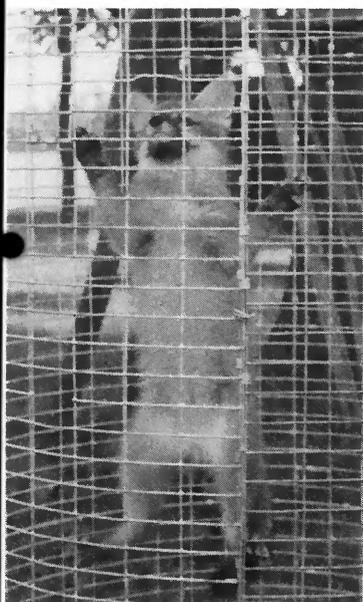
Business cards like this one are passed out freely. The Johnstons want to educate the public to their existence.

Judy Johnston is a small bundle of dynamite ready to explode. Blast she did recently—coming into our office in a rush. “Suzanne—I thought you were coming out to see our baby foxes!” I countered that I had indeed planned to get there, but had been tied to the desk for several weeks. “Well, you had better get over there now, or they may be gone!” Needless to say, I followed Judy home.

The Johnstons—Judy and Larry—are embarking on a project that gets my highest respect: that of rescuing and rearing wild animals in danger. They take in injured or orphaned animals and birds, rear them, and rehabilitate them to return to the wild. On the day I made the mad dash to their home, they were planning to try to reunite five young foxes with their mother.



Judy says "it's not easy to get a fox pup to pose!"



One of the orphaned foxes shows off for the camera.



Hooter Brown (a night hawk) was feeling a little confused by the camera. He is presently with Debbie Lamb, and is stretching his wings in preparation for release.

When I returned a few days later, Judy said the mother refused her pups, and they were back in their pen where they will remain until they are old enough to survive on their own.

Judy and Larry got started on their project through a friend, Debbie Lamb of Tower Hill. At Debbie's shelter, they worked with a silver fox, a red-tailed hawk and one huge owl. Judy readily admits that Larry handled the owl. "There is a special talent for working with the big birds, and Larry has it. The meaner the better—Larry can handle them!" None of the animals at the rehabilitation center are turned into pets. They have to be made ready to return to the wild.

The Johnstons are licensed by the State of Illinois to care for wild animals and birds only. As it is illegal

to keep wild animals, they must make a full report to the State in December of each year. They also work under the supervision of a Pana veterinarian, Dr. John Shields. The entire financial burden of veterinarian bills, medicine, food, and cages is on the Johnstons. They receive no support or subsidy of any form. Judy says, "One of our biggest problems is housing. We would gladly accept donations of any unused cages or pens. Pet travel carriers would be most welcome."

On the day I visited Larry and Judy, they were in the process of accepting a new arrival. They had just picked up an abandoned white-tail deer fawn from the Corps of Engineers. Only a few hours old, the fawn was more than a little confused by the pen of fox pups nearby. They seemed to be checking out the "new kid on the block." Close to this scene, Violet, a red squirrel, was surveying the whole thing from her penthouse in a large oak tree. Invited into the house, I found another world awaiting: on the kitchen table, a young night hawk was napping in a bird cage; Precious, a flying squirrel, was lurching in her spacious cage in the living room; and Dolly, another red squirrel, was lounging in her pen in a bedroom. Yet these are all wild animals—the tender care they receive is necessary to their survival and will not impair their chances in the wild.

The rehabilitation center does not keep any animals or birds of an endangered species. The Johnstons immediately report any such finds to the Conservation/Wildlife Department. Those are then picked up by a federally licensed handler. Most of the charges come to them by way of local veterinarians, the Corps of Engineers and local farmers who know of their work. Judy explains that all the books say a 40 percent success rate is good. "That means that if 40 percent of the adopted animals and birds are returned to the wild, you are doing good. At the present time, we are averaging over 60 percent!" When a release is made, it is done on the nearby farm of Judy's parents, Kenneth and Marie Dickey. Of course, there is no hunting allowed on or near that farm.

There is always a sad moment when one of their adoptees is released. "We do become attached to all of them (most of them even have names). We are very happy they have survived to be released. This is a very tricky business. Of course, none of them ever look back to say 'thank you'—they just go."

A few days ago, the explosion blew through our door again. "Hey—you should see the new fawn we have now! Come on over—things are changing every day!" Judy Johnston and the soft-spoken Larry are finding business booming; and loving every minute of it.

Love is definitely the key word here: They love what they are doing to bring these animals and birds full circle to release. Only love and dedication of their brand could make such an undertaking work. Personally, I can't wait for the next explosion to burst in on us again. What's new now?

By Suzanne Tate  
of the Shelby Electric staff

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

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

**YES, ROOF-HIGH IN JUST ONE YEAR!**

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

IT'S ALMOST LIKE GROWING INSTANT SHADE

**Actually Soars Into A Magnificent Tree IN JUST ONE YEAR!**

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

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

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

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

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

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

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

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

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

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

**VITAL STATISTICS FROM LEADING EXPERTS**

**MATURE GROWTH SIZE:** as much as 40 to 65 feet

**MATURE SPREAD:** as much as 30 to 35 feet

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

**LIGHT NEEDS:** Grows beautifully in Sunny location.

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

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

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

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

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

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



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

**SATISFACTION GUARANTEED OR MONEY BACK!**

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

© 1989 Gardeners' Choice® General Offices: P.O. Box 237, Hartford, MI 49057

**JUST MINUTES TO PLANT—REWARDS YOU WITH A LIFETIME OF BEAUTY!**

Here's a luxurious sight you don't have to wait half a lifetime growing—a matched pair of these towering show-pieces.

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

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

**—MAIL NO-RISK COUPON TODAY—**

**Gardeners' Choice®, P.O. Box 237, Dept. SA50-EK, County Rd. 687, Hartford, MI 49057**

Yes, please send me for proper planting time in my area the SUPER GROWING HYBRID(S) indicated below:

- (#001) 1 for only \$3.95 plus 75¢ postage and handling.
- (#002) 2 for only \$6.95 (SAVE OVER \$1.00) plus \$1.00 postage and handling.
- (#004) 4 for only \$10.00 (SAVE OVER \$7.00) plus \$1.50 postage and handling.
- (#010) 10 for only \$20.00 (SAVE OVER \$20.00) plus \$3.00 postage and handling.
- (#020) 20 for only \$30.00 (SAVE OVER \$55.00) plus \$5.00 postage and handling.

if after receiving my order I am not fully delighted, I may return anytime within 90 days and you will refund my purchase price in full (less postage and handling, of course).

Total amount enclosed \$ \_\_\_\_\_ CA, NY, NJ, IA, IL, MI residents please add Sales tax. No. C.O.D.'s please.

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

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

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

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

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

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

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

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

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



**Brett Wilfong leads one of the Iroquois River Stables horses.**

# horses

involved in a string of gasoline stations in Indiana.

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

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

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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS



## From the Manager

**Jim Coleman**

Dear Members:

There is a situation appearing at several rural electric cooperatives around the nation that I think you should be made aware of.

There is an organization called "NRC, a National Association of Rural Co-operative Members." They are an insurance firm; and they have been sending mailings to rural electric cooperative members. The National Rural Electric Cooperative Association (NRECA) is very concerned that the similarity of names might be confusing to rural electric cooperative members. It is important that you know that the Shelby Electric Cooperative, Association of Illinois Electric Cooperatives, and the NRECA are in no way associated with this insurance company.

If you receive mailings or contacts from any insurance firm you believe is associated with rural electrification, please notify the Cooperative office. We will do our best to give you any help you may need.

We here at Shelby Electric have been very busy this summer with construction projects and line improvement. As you may be aware, we are replacing some underground primary lines and services in the Bishop Cover subdivision near Taylorville. We are hoping this will reduce some outage time experienced by customers in that area.

Our line superintendent says this has been the "year of the birds." We have had many outage reports, the result being there was a bird on the transformer. When this happens, the fuse is blown, and the member is out of service. If you do experience an outage, it is best to check with your neighbors, check your own house fuses, and then call the office to report the outage. It is not possible to inform every member when we have an outage for work/construction purposes. We are always glad to accept your collect calls; and we will tell you what we can about the status of your service. There may be times when your neighbors will have power, and you will not.

After eight months as your manager, I feel I am getting to know you, the members, a little better, as well as the operations of your Cooperative. You will be receiving a Member Survey in the future. I hope you will take the time to fill it out to the best of your ability. (Call the office if you have any questions about it.) I think this survey will be of great benefit to you, your cooperative, and me as your Manager.

As always, feel free to contact me—or a member of our staff—if we can be of service to you.

## Shelby earns safety certification

Shelby Electric Cooperative received certification from the Rural Electric System Safety Accreditation Program August 9 in Springfield. The presentation was made to your Cooperative and two other Illinois electric cooperatives during the 48th annual meeting of the Association of Illinois Electric Cooperatives. James E. Coleman, Shelby manager, and Delmar Brunk, director of Operations, Maintenance and Construction of Outside Plant accepted the certificate from Bud S. Walls of Paris, Chairman of the AIEC Job Training and Safety Committee.

In the operation of a rural electric cooperative, safety is one of the most important considerations for members, employees, management, and directors.

Annually, a select few cooperatives nationwide are recognized for their outstanding safety records. This year, Shelby Electric was one of three Illinois electric cooperatives to earn certification. The honor is presented through the rural Electric System Safety Accreditation Program, sponsored by the National Rural Electric Cooperative Association. Earning certification makes your cooperative eligible for significant reductions in insurance rates. Shelby Electric is pleased and proud to say that this accreditation is the fifth such award received. We believe such recognition symbolizes the outstanding safety program carried on at the Cooperative by your board of directors, management and entire employee staff.



Shelby Electric Cooperative, Shelbyville, received certification from the Rural Electric System Safety Accreditation Program August 9 in Springfield. The presentation was made to Shelby Electric and two other Illinois electric cooperatives during the 48th annual meeting of the Association of Illinois Electric Cooperatives (AIEC). James E. Coleman (left), Shelby manager, and Delmar Brunk (center), director of operations, maintenance and construction of outside plant at Shelby, accept the certificate from Bud S. Walls of Paris, chairman of the AIEC Job Training and Safety Committee.

## How does a closed loop heat pump work?

The ground source heat pump is a self-contained unit that provides cooling in the summer and supplies heat in the winter. It is designed to use the energy of the earth to condition the air in the home.

The ground-source heat pump is a heat recovery system that achieves an energy efficiency level far beyond other heating and cooling systems.

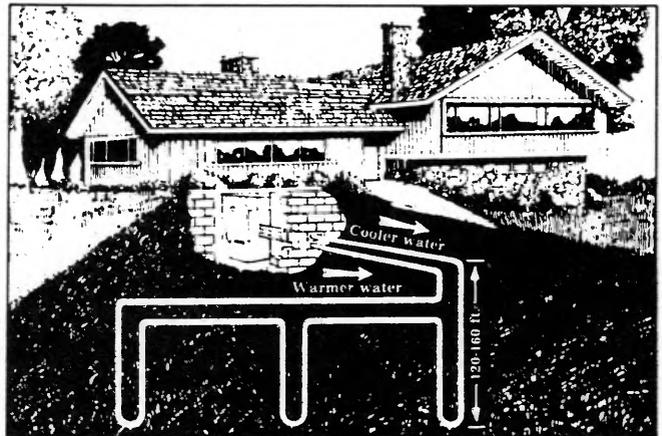
The ground source heat pump system consists of three basic components: the heat pump unit, a fluid supply and pumps to circulate the fluid through the pipe.

In the closed-loop system, a solution continually runs through special plastic pipe buried beneath the surface of the earth. This pipe loop is connected to the heat pump unit.

Fluid is circulated through the loop, extracting free

heat available from the earth during the winter. This fluid is then circulated through a heat exchanger which transfers the heat to the air in the home.

This cycle is reversed during the cooling season. The heat pump removes the heat from the interior of the



home and transfers it to the loop via the heat exchanger. As the fluid is circulated through the loop, the earth's natural cooling effect absorbs the heat to provide efficient, economical cooling.

In addition to heating and cooling, the unit is connected to the water heater. Therefore, when the unit is not using its full capacity to heat the home, it is heating water. In the summer months, when the unit is cooling the home, virtually 100 percent of the family's hot water requirements are met by this efficient heat pump.

### Steve Darnell returns



Darnell

Shelby Electric is pleased to welcome Steven W. Darnell back to the employment force. After an absence of seven years, Darnell has returned to the Cooperative in the position of groundman. The father of two sons, Scott, 11, and Kevin, 6, Steve enjoys spending as much time as possible with his boys.

# Caulking tips

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

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

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

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

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

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

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

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

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



# SAVE HUNDREDS OF \$\$\$

*Finally a NEW and IMPROVED*  
**SEPTIC TANK CLEANER IS HERE**  
**PREVENT & STOP ALL TANK & DRAIN LINE PROBLEMS**

**ACT NOW! AVOID:**

- Costly expenses
- Re-doing drain fields
- Clogged drains
- Pump outs
- Wet spots
- Offensive odors

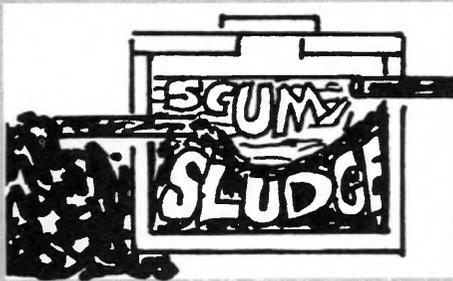
*The miracle answer has been discovered*

## **SEPTI-CLENE** **THE Problem Solver!**

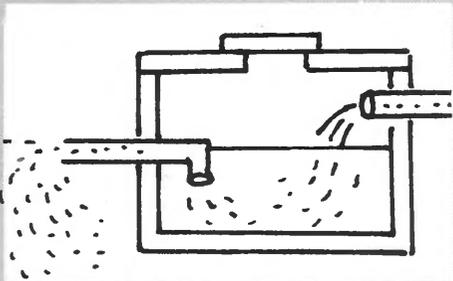
SEPTI-CLENE saves money and inconvenience by doing away with pumping out septic tanks periodically. A small amount of SEPTI-CLENE converts all wastes into liquid. It will help clean the lines leading to the septic tank. It goes to work immediately, digests the solids, cleans the walls and then travels to the drain fields. It opens the earth and lets the earth percolate.

**Keep Your Septic Tank and Cesspool  
 In Great Shape Use SEPTI-CLENE**  
**For more information CALL**  
**1-800-544-4074**

**Septic Tank  
 Before**



**Septic Tank  
 After**



**Drain lines  
 Before After**



A drain pipe loses 1/2 of its diameter in 5 years due to organic build-up.



SEPTI-CLENE will restore the pipe to original after a few months of treatment.

**100% Guaranteed**

OR Mail in Coupon to:

Krane Products Inc., P.O. Box 521  
 Larchmont, NY 10538

I am interested in more information on **SEPTI-CLENE**

Name \_\_\_\_\_

Address \_\_\_\_\_

Town \_\_\_\_\_ State \_\_\_\_\_

Zip \_\_\_\_\_ Telephone \_\_\_\_\_

How many septic tanks? \_\_\_\_\_



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS

## Nokomis farmer builds, flies 'antique' planes

While generations of kids have taken fiendish delight in splashing around in the bathtub, few adults will admit to indulging in such foolishness. Harley Dahler, a farmer from Nokomis, has a lot of fun in his "bathtub," but instead of splashing, he flies in his.

The puddle jumper the Shelby Electric Cooperative member built is a Dormoy Flying Bathtub, a tiny airplane that gets its name from the fact that it was designed by a man named Etienne Dormoy, and that it resembles the old tin bathtubs of days gone by. Harley has just completed another airplane, a Pietenpol Air Camper, a 1929 airplane designed to take a Model A Ford engine.

"Dormoy designed the bathtub for the 1924 Cleveland Air Races" Harley says, "in a class that was limited to engines no bigger than 82 cubic inches displacement. Dormoy, who had come here from France and was working for the Army Air Corps, chose a four-cylinder Henderson motorcycle engine, and dropped it into the front of a pilot's compartment that looked an awful lot like a bathtub." He stuck on wheels, a wing and control surfaces, and connected them all together with tubing and cables, and he was ready to go flying.

The race included a few other Henderson-powered planes, and one with a Harley-Davidson motorcycle engine. The idea was to fly out to a point 70 miles away, and return. The Harley was out of the race fairly soon, and one of the other planes was outrunning the Dormoy, Harley notes, but the story then takes a turn right out of the "Hare and the Tortoise" fable. The other plane started having carburetor problems, and the pilot had to land and tinker with it. By the time he took off and hared back into the race again, the Dormoy had tortoisied across the finish line.

Harley didn't use a motorcycle engine, although antique things fascinate him. He used a 1935 Continental A-40 engine that he found in a barn near Edinburg. It cranks out 40 horsepower, gives him a 65 mph cruise,

and enables him to pull the heavy duty bicycle wheels off his grass strip in about 400-450 feet.

The Pietenpol is slightly more modern. Like many planes from the late 1920s, it has a squirrely, tinkerer-built history. Bernie Pietenpol was a young Minnesota man who had been flying for some time. He'd built and flown several different designs, mostly with Model T



Ford engines. A good, used T engine could be had for about \$50, while small airplane engines were selling for \$1,000 and up. Later on, he started using Model A engines.

At any rate, the "Petes" have been around for just over 60 years now, and Harley decided to build one. He thought about a Model A engine, but the very qualities that made them desirable in the 1930's—they were plentiful and relatively inexpensive—worked against him. Now, they're scarce and expensive. And as heavy as ever.

"They were always marginal, anyway," he says, "and on a hot day with full fuel and two people aboard, you might not even be able to take off. I wanted a little margin there, so I went for a Continental C-85 engine.

"Generally," he adds, "I try for the authentic and the antique, but if safety's in question, I opt for what's safest."

He notes that many people think it takes raw courage to fly in a small airplane, and even more mistakenly believe you have to be flat-out crazy to fly in a tiny, homemade one. But if anybody's qualified to build and fly airplanes, he is.

He first started flying in 1945, and bought his own airplane three years later. He kept it tied down in a clover field behind the barn, and flew—half a mile—over to his grandmother's place to do the milking. He gave up flying during the Korean War, and served as

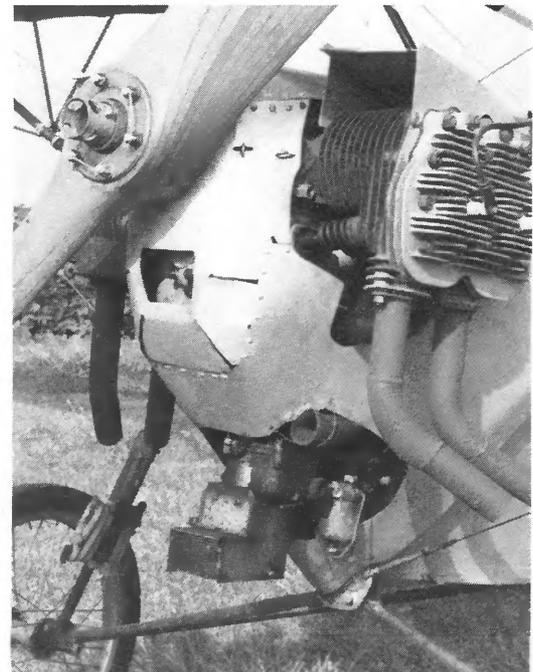
29  
crew chief on a B-47. He didn't get back into the sport until 1975, when he bought another plane and laid out a 2,000 foot strip on his farm. It was, he notes, nearly three times as long as the one he'd flown from when he was milking cows. He flew all over the Midwest, and to both coasts. Then he heard about a fellow over in Indiana who wanted to sell his partially built Dormoy, and he was on his way.

While his little plane will cruise at 65, which is a pretty good clip, he doesn't go very far in it. "I started out for Oshkosh, Wisconsin, in it once," he says, "because the Experimental Aircraft Association has its annual fly-in, drive-in convention there, and it's the biggest in the world. I hadn't gone very far before I started having carbon monoxide problems up near Mendota, so I turned around and came back.

"It's hard to believe you'd have carbon monoxide problems in an open plane, but I figured the exhaust was eddying around in the air currents and coming into the cockpit. I changed the exhaust system a little," he adds, "and that took care of the problem.

The farthest I go now," he says, "is to Palmyra. They have the best fly-in, drive-in pancake and sausage breakfast in the country there twice a year, and I try not to miss it."

Anyway, cross-country travel is not what the planes are about at all. "The fun's in the takeoffs and landings," Harley says.



At left, Harley sits in his Dormoy Flying Bath tub, a plane designed in 1924 to take a Henderson motorcycle engine and to compete in the Cleveland Air Races. A Pietenpol Air Camper, originally designed to take a Model A Ford engine, is in the background. Above is a closeup of the Continental A-40 engine, a 1935 offering with single ignition. The unit powers the bathtub to a speed of 65 mph.

# Seasonal favorites

## ENCHILADAS

### TORTILLAS:

- 1 egg
- 1 cup sifted flour
- 1/2 cup yellow corn meal

Mix above ingredients to make batter. Pour a scant (1/2 cup) batter into a small frying pan to make a tortilla about 6 inches in diameter. Bake for 3 minutes, or until top appears dry and underside is golden. Turn and brown the other side. Repeat to make 8 tortillas.

### ENCHILADA FILLING:

- 1 lb. ground beef
- 1 teaspoon chili powder
- 1 clove garlic
- 2 tablespoons olive oil or salad oil
- 1 can (4 oz.) ripe olives, chopped
- 1/4 teaspoon salt
- 1 1/2 cups water
- 1 cup chopped green onion
- 1 1/2 cups (6 oz.) grated cheddar cheese
- Sliced stuffed green olives
- Sweet onion rings

In medium sized frying pan, saute ground beef with chili powder and garlic in oil, breaking up ground beef as it cooks. Remove from heat and add ripe olives and green onions. Save cheese, green olives and onion rings for last three steps. Brush one side of tortilla with sauce; spread with a scant 1/2 cup of filling, then sprinkle with one tablespoon grated cheese, roll up; place, spoke fashion, seam side down in pan with sauce (if the frying pan is too small, place in two layers). Brush tops with sauce and sprinkle generously with remaining cheese. Top each with sliced olives. Heat slowly just until enchiladas are heated through and cheese topping is melted slightly. Top with garnish of sweet onion rings.

### ENCHILADA SAUCE:

- 3 medium onions, chopped (1 1/4 cups)
- 1 tablespoon olive oil or salad oil
- 2 cans tomatoes (1 lb. cans)
- 2 cans tomato sauce (8 oz. cans)
- 2 teaspoons sugar
- 1 teaspoon oregano
- 1/4 teaspoon red pepper seasoning
- 1 clove garlic

Saute onions and chili powder in olive oil, until soft. Stir in remaining ingredients. (Stick garlic with wooden pick so it will be easy to remove before serving.) Simmer uncovered adding a little water as needed for 1 1/2 hours. Remove garlic.

## M & M COOKIES

- 1 cup shortening
- 1 cup brown sugar
- 1/2 cup granulated sugar
- 2 eggs
- 2 teaspoons vanilla
- 2 1/4 cups flour
- 1 teaspoon baking soda
- 1 teaspoon salt
- 1 1/2 cups plain M & M candies (either in dough or on top of cookies)

Combine ingredients and chill dough about 20 minutes before baking. Bake at 350 degrees for 10 minutes.

## CRANBERRY CHUTNEY SALAD

- 2 lbs. fresh cranberries, crushed in food processor
- 3 apples, diced
- 2 pears, diced
- 2 cups golden raisins
- 2 cups white sugar
- 1 1/4 cups fresh orange juice
- 3 tbs. grated orange rind
- 2 tsp. cinnamon
- 1 tsp. nutmeg
- 1/2 cup Cointreau liqueur

Combine all ingredients except liqueur in a large kettle; bring to a boil; then simmer uncovered for one hour, or until thickened. Stir in liqueur. Refrigerate covered overnight. Freezes well.

## MEXICAN CHICKEN

Cook 4 large chicken breasts (boil or steam). Cool; skin and remove from bone. Cut into chunks. Mix: 1 can of mushroom soup, 1 can cream of chicken soup, 1 can Rotel tomato chilies, and 1 lb. sharp cheddar cheese, grated. Grease casserole dish; line with taco-flavored Doritos. Put layer of chicken, layer of soup mixture, layer of grated cheese in casserole dish until all is used. Let stand 24 hours in refrigerator. Bake at 300 degrees for 1 hour.

## ASPARAGUS & ONION CASSEROLE

- 1 lb. can English peas, drained
- 1 (14 oz.) can asparagus, drained
- 1 (14 oz.) can small onions, drained and sliced
- 1 (10 1/2 oz.) can cream of mushroom soup
- 1 cup American cheese, grated

Make layers of peas, asparagus, onions and soup in a casserole dish. Top with grated cheese. Cover and bake for 40 minutes at 350 degrees.

advertisement

## A Will May Be Hazardous To Your Family's Financial Health

You can spend money for a will only to have an excessive part of your assets needlessly "given" to lawyers, courts, administrators, executors and the tax authorities through the probate process. Why should you avoid probate? Simple. It costs too much, lasts too long, and creates unwanted publicity.

Yes, there's a far better way to protect your estate than having just a will. A Living Trust is an inexpensive alternative to probating a will even for an average sized estate.

A recent Wall Street Journal article says "More and more Americans are putting their assets in Revocable Living Trusts... while the owner is still alive... can act as their own trustees, so there are no managerial fees or loss of control. They can change the trust at any time." You keep the bulk of your estate out of probate court with no public record or the usual nine months delay. You may reduce taxes and simplify the transfer of assets to your heirs.

"The advantages of living trusts over wills are considerable. Under a will, an estate must be settled in probate court. Lawyers' fees and court costs often are substantial; there may be exasperating delays, and the proceedings are a matter of

public record."

"In contrast, a living trust is settled without a court proceeding; a successor trustee simply distributes assets according to the trust's instructions, with an accountant, notary public or lawyer certifying any transfer of titles. The process is much quicker, cheaper and more private than settling a will, and it may save on estate taxes."

Lawyers charge an average of \$60 for writing a will — and then receive as much as 11 percent of the entire estate after the client dies and the will is probated. The Wall Street Journal says "the living trust business is booming." Your complete Living Trust kit, written in easy-to-understand, step-by-step simple language for the average sized American estate, can be obtained by sending a check or money order in the amount of \$19.95 plus \$2 postage and handling or charge to your VISA/Mastercard by including account number and expiration date to: DSA Financial Publishing Corp., 708 - 12th Street N.W., Dept W471, Canton, Ohio 44703. For even faster service call toll free 1-800-321-0888, Ext. W471. A 90 day money back guarantee is naturally offered. Do it now... while there is still time to protect your loved ones. © 1989 DSA DW262-2



See How Easy Your Group Can Raise  
**\$144<sup>00</sup> to \$2,160<sup>00</sup>**  
 Selling U.S. Pen's  
 Two-Year Planning Calendars

Everyone has dates to remember. That's why U.S. Pen's Two-Year Planning Calendar, featuring a large monthly memo calendar and tear-off note pad, sells on sight. Four delightful designs to choose from.

**Please rush my Free Sample Calendar (worth \$2.00)!**

U.S. Pen Fund Raising Company  
 P.O. Box 1027, Dept. R-4  
 Montgomery, AL 36101-1027

(Please Print - Complete In Full)

|   |           |
|---|-----------|
| Name  | Phone     |
| Address   |           |
| City  | State Zip |
| Name of Organization<br>(Limit One Free Sample per Organization)<br>Offer Expires November 28, 1989 |           |

**AMEX Life Assurance Company**

"The Long Term Care Insurance Specialists"



For information, please call  
1/800-544-6964, Ext. 229  
A subsidiary of the  
American Express Company

**FREE POULTRY CATALOG IN COLOR**

Interesting ideas for presents.

Over 100 varieties. Baby Chicks, Bantams, Ducklings, Goallings, Turkeys, Guinea, Pheasants, Partridges, Quail, Hatching eggs, Incubators, Books, Equipment, Medications.



Write or phone.

**Murray McMurray Hatchery,**  
C132, Webster City, Iowa 50595 Phone: (515) 832-3280

**MISSING**



**JENNA RAY ROBBINS**

LAST SEEN: 05/14/89 EYES: Brown  
FROM: Killeen, TX HEIGHT: 4'5"  
DOB: 01/24/80 WEIGHT: 50  
WHITE FEMALE HAIR: Dark Brown



**CHOIR ROBES**

EXPERT TAILORING **\$23<sup>95</sup> up**

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

Toll Free  
1-800-826-8612

**REGENCY**  
CAP & GOWN CO

P.O. Box 10557EP  
Jacksonville, Florida 32207

**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. Serving Farm & Ranch Since 1950. Let us send you complete information.

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

**DAILY  
LIFE  
JUST  
GOT  
EASIER!**

**Have trouble getting up?**

The attractive and affordable **ARTHRITIC LIFT CHAIR** helps mobility and daily independence.



- Sit and stand without straining
- Choice of styles to buy, rent or lease
- Statewide home demonstration and delivery
- Easy terms



**217-523-5338**

CALL TODAY, ASK FOR FREE CATALOG

TOLL FREE **1-800-428-9234**

**LIFT CHAIRS, INC.**  
A Better Mobility Products Co.

SINCE 1971  
1701 E. Cook • Springfield, Illinois 62703



**MICHAEL OMAS MASAOAY**

LAST SEEN: 01/25/89 EYES: Brown  
FROM: San Francisco, CA HEIGHT: 5'1"  
DOB: 06/25/72 WEIGHT: 160  
ASIAN (FILIPINO) MALE HAIR: Brown

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

**1-800-843-5678**

(sightings only)

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

**-Safety Tip of the Month-**

Be sure your child knows what to do in case you become separated. If separated while shopping, your child should not look for you, but go immediately to the nearest clerk and ask for assistance.

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

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

**1-800-222-1464**

**DENTURES \$129 ea.**

IN ONLY ONE DAY UPPER AND/OR LOWER

- EXAM with Quotes \$25
- X-RAY PANARAMIC (Full Month) \$20
- EXTRACTIONS with DENTURES: Simple \$9 ea. Other than simple \$20 ea.
- NAME IN DENTURES: \$15 ea.
- FOLLOW UP ADJUSTMENT \$20 ea.
- REPAIRS & OTHER DENTAL SERVICES (Fee List Available)



Be in between 8 a.m.-10 a.m. and in Most Cases Have Your Custom Dentures The Same Day! Materials A.D.A. Approved Weekday Appointments HIGHLY ADVISED Saturday By Appointment CLOSED MONDAYS WE ACCEPT MC, VISA, DISCOVER and CASH NO PERSONAL CHECKS PLEASE

**ABC DENTAL SERVICE**

Tesson Grove Medical Center

**Lee Wright DMD. P.C.**

13131 Tesson Ferry, Suite 200  
St. Louis, Missouri 63128



(314) 849-3377

DOCTORS ARE GENERAL DENTISTS NOT PROSTHODONTISTS

**GENERAL DENTISTRY**



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS

## Shelby hosts geothermal field day



Long trenches—or wells—are usually needed for a closed-loop system, although ponds are usable, too. Here, Shelby Electric employees Dale Bauer and Larry Shuff trench in piping.

Is there a more efficient, lower cost way to heat and cool your home? Shelby Electric Cooperative thinks there is! On October 24, the Cooperative hosted a Geothermal Heating and Cooling System field day in conjunction with WaterFurnace of Illinois. The purpose of this field day was to acquaint area builders, realtors, and contractors with the many benefits of installing an entirely new concept of heating and cooling.

Geothermal closed-loop heating systems are very economical, safe, and ecologically sound. The basic premise of this unit takes advantage of the energy stored in the earth—the solar energy harbored within the earth.

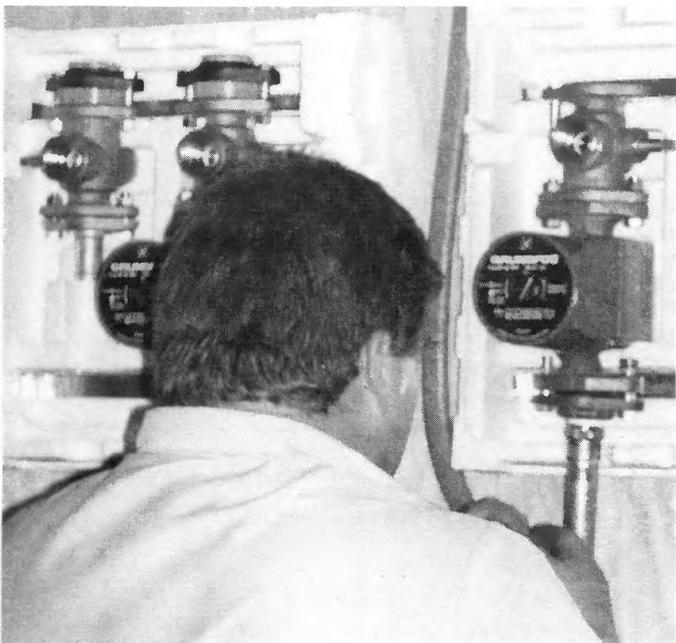
There are two main components to the geothermal system: the buried loop (which is an extended length of pipe buried underground) and the indoor unit which is tied into a conventional ductwork system. There is no noisy outdoor unit required with this system. There are three types of closed-loop system, all utilizing either polybutylene or polyethylene pipe. If you have a large enough area for burying the pipe, a horizontal loop may be used. A vertical loop can be installed almost anywhere; and a pond or lake loop is simply coils of pipe placed in a deep body of water. Any of these loops must be installed by a certified contractor. If all pipe is installed properly, the closed loop system provides a lifetime of trouble free service (and carries a 55-year guarantee).

Water, with an antifreeze solution, is added into the loop. In the heating mode, the indoor unit extracts heat from the solution in the loop; and with a refrigeration process, intensifies that heat. This heat is delivered through the duct system at temperatures ranging from 95 degrees F up. Since heat is being transferred, not produced—the geothermal system is delivering over three units of energy for every unit of energy it consumes.

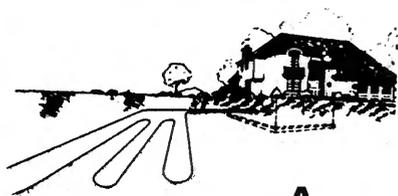
The cooling process is a basic reversal of heating. The indoor unit extracts heat from the inside of the home, and transfers the heat to the liquid circulating within the loop. The heat is then transferred into the earth. It is much easier to transfer heat into the cooler earth than to return it into the hot summer air outside the home.

The closed-loop geothermal system has proven most economical. During a cooling season, it can save you 30 percent on air condition bills. It is estimated that annual savings can pay you back for your added investment in three to five years.

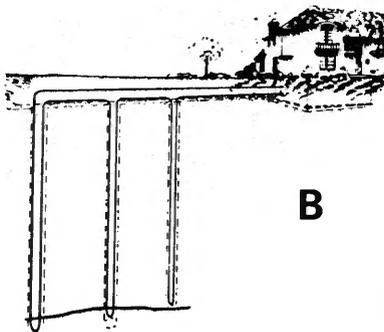
Your Cooperative has always been interested in the future, and in new technology. We were happy to cosponsor the recent field day at the Cooperative headquarters, and at the rural Tower Hill home of member "Lum" Culumber. We thank Mr. Culumber for his cooperation and hospitality in demonstrating the installation and use of his new geothermal closed-loop heating and cooling system.



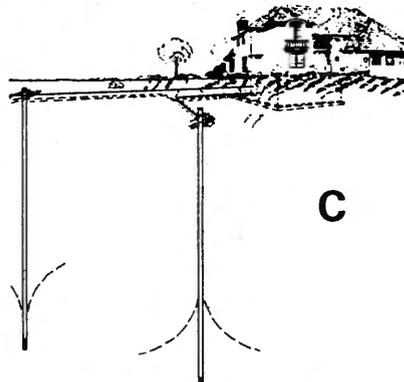
Clockwise from top: Working with the plastic tubing. The piping looks complex. Larry Brown, from Shelby Sheet Metal, Shelbyville, works on the inside installation.



A



B



C

**Types of ground-source heat pumps**

(A) A horizontal ground loop heat pump system is used where soil is soft and space is plentiful. The earth's constant temperature provides energy-efficient cooling and heating. (B) A vertical ground loop heat pump system is used in rocky soil or where space is limited. Again, the earth's constant temperature provides energy-efficient heating and cooling. (C) A ground water heat pump system uses the constant water temperature of a deep pond or well for energy-efficient cooling and heating.

(Continued from page 5)

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

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

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

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

One of the biggest changes Klaus has seen was

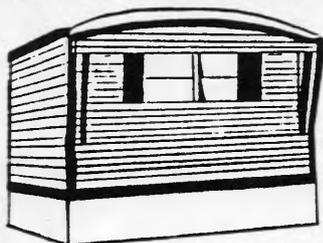
the introduction of hydraulic trucks in the 1950s. Prior to that, booms had to be assembled in pieces, then a winch cable would lift them. On hydraulic trucks, a pull on a lever raises crews and equipment up to the pole.

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

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

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

### MAKE YOUR MOBILE HOME LOOK BEAUTIFUL AGAIN!



Install insulated siding on your mobile home.

You will save on your heating and cooling bills by adding an R-6 to your sidewalls.

Mobile Home Replacement Windows also available.

**Kemco Aluminum • 1-800-456-KEMCO**

## Buying, selling or trading?

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



Programming services for the satellite dish owner

### Hamilton County Telephone Co-op

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

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

### Edgar Electric Co-operative

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

### Independent Telcom Associates, Louisville, Ill.

1-800-523-6573

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

### Unlimited Visions Toll Free 1-800-824-5102

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

### Corn Belt Electric Cooperative

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

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

## Proposed legislation

(Continued from page 5)

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

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

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

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

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

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



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

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

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

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

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

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



# Shelby Electric News

SHELBY ELECTRIC COOPERATIVE

217-774-3986

SHELBYVILLE, ILLINOIS



Jim Coleman, Manager

## Shelby Electric

Shelbyville, Illinois

Dear Members:

It is my pleasure, as the manager of your Cooperative, to wish you the best of holiday greetings and a happy and prosperous new year!

Upon nearing the one-year point of my association with Shelby Electric, it is time to reflect on our accomplishments and look forward to the future.

In 1989, we put all our billing and computer data on line with our computer firm in St. Peters, Missouri. By satellite dish, we now send and receive information in a matter of minutes. All of our departments benefit from having current information at their fingertips.

Our outside operations crews have a few pieces of much needed new equipment to help on construction, maintenance, and tree trimming. As you know, we try to do as much trimming as possible during the winter

months. Our files are filled with requests, and we will be working on them as time allows. Unfortunately, we are unable to do request trimming, as must adhere to the clearing of our lines and service wires.

There have been a few new faces added to the staff. We will be introducing the new employees to you on these pages.

We at your cooperative are pleased to announce a new service available later in 1990: an 800-mhz frequency band trunking system. This is a radio service that pools several radio channels so that all users are given automatic access to any free channel. Perfect for farm or commercial users, this radio system will provide private two-way conversations anywhere in an area from Decatur to north of Salem, and from Charleston to Litchfield. Also available will be a telephone interconnect that is very similar to cellular phone service.

The radios will be made available locally at a reasonable price. If you would like further information on this new system, please call the Co-op office. We are pleased to offer this system to our members and other interested parties. Not only will your cooperative benefit from a reliable radio system, but we feel there are many potential users in the area who could benefit from this new service.

## Kids and microwave ovens

With more parents employed outside the home these days, children—even the very young are taking on more household self-care responsibilities like cooking. And when today's youngsters cook they, like the rest of us, most frequently use the microwave.

Following are a few basic rules that the grownups should teach the kids for safe and effective use of this appliance of the 80s.

1. Use only microwave-safe utensils. Store them where they are easily accessible to all members of the family.

2. Cover food while cooking it or warming it. This is prudent not only for safety and sanitation, but it also makes cleaning the oven a whole lot easier. A covering also helps to retain moisture in the food. A paper towel, a napkin or a piece of waxed paper is adequate in most cases. Use a glass cover when cooking casseroles or other items that require long cooking times. Heavy-duty

plastic wrap will do as well, but remember to poke a hole or two in it to vent the heat and steam.

3. Use potholders to remove dishes from the oven. Since nothing but the food and the container get hot in a microwave, it is easy for a youngster to forget.

4. Lift the lid from a cooking dish far-side first so that the heat and steam are vented to the atmosphere and not upon a face or an arm.

5. Food continues to cook after it is removed from the oven, so let it stand with cover intact for a few minutes before serving. Better for it to splatter against the cover than over the table and it's occupants.

6. Clean the interior of the oven regularly, including the door and it's gasket.

7. Most importantly, never use the oven if the door is damaged or doesn't close properly. Have it repaired by a qualified technician. Check the telephone directory yellow pages under microwave dealers.

## New personalities at Shelby Electric

### Jim Matlock

Jim Matlock of Findlay joined the Engineering Department October 30. A graduate of Findlay High School, Jim also graduated from Southern Illinois University—Carbondale with a bachelor's degree in electrical engineering this May. Jim is presently learning all phases of the Engineering Department. He is married to the former Rhonda Cleveland. The Matlocks enjoy sports and flea-marketing.



**Matlock**

University with a BS in business education in December 1986. Upon graduation, she joined the faculty of Sparks College, Shelbyville, where she taught the



**Rhodes**

accounting program and computer classes. She married Jeff Rhodes in August of 1989. They enjoy boating on Lake Shelbyville.

### Christina Rhodes

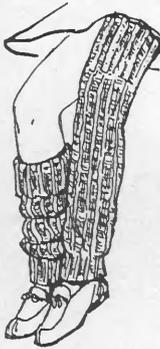
Christy Rhodes joined the Cooperative staff November 13 as executive secretary to manager Jim Coleman. A graduate of Shelbyville High School, Christy graduated from Eastern Illinois

# Merry from the board and manager of Christmas



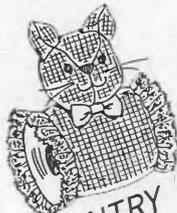
Seated from left: Lawrence D. Oller of Taylorville, Neil E. Pistorius of Blue Mound, Robert H. Primmer of Findlay and Kenneth E. Kensil of Tower Hill. Standing from left: Philip L. Turner, attorney, Gerald C. White of Macon, Victor Jostes of Nokomis, L. Eugene Boldt of Stewardson and James E. Coïeman, manager.

# KNIT OR CROCHET



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

OFFER GOOD THROUGH MAR. 31, 1990



## COUNTRY CRITTERS



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

OFFER GOOD THROUGH APR. 30, 1990



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

OFFER GOOD THROUGH APR. 30, 1990

## Adorable Dolls



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

OFFER GOOD THROUGH APR. 30, 1990

## DESIGNER PATTERNS

Pure femininity, a soft gentle curve. Stylish choices: dress or tunic, full and slim skirts and tie! Designer Pattern 5649 is available in Misses' Sizes 10 to 24. State NN(10-12-14-16) or WW(18-20-22-24) when ordering.

OFFER GOOD THRU MAR. 31, 1990



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

OFFER GOOD THROUGH MAR. 31, 1990



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

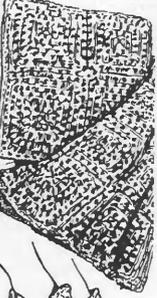
OFFER GOOD THROUGH MAR. 31, 1990



5646: Perfectly proportioned for Half Sizes. Figure flattering dress has an easy fit waist and comes in three sleeve lengths. Half Sizes. State A(14 1/2 to 24 1/2 included) when ordering.

OFFER GOOD THROUGH MAR. 31, 1990

## Cozy Crochet



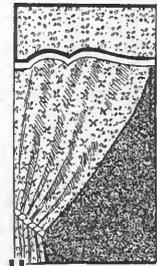
5061: Traditional granny square design crochets quickly into cozy afghan, pillow and slippers. Use lightweight mohair type yarn for pillow and 46" x 64" afghan. For slippers use worsted weight.

OFFER GOOD THROUGH APR. 30, 1990



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

OFFER GOOD THROUGH APR. 30, 1990



## Home Decorating



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

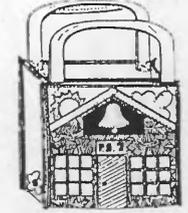
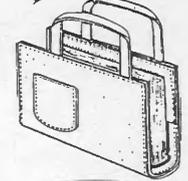
OFFER GOOD THROUGH MAR. 31, 1990



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

OFFER GOOD THROUGH MAR. 31, 1990

## TOTE-ALLY PREPARED



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

OFFER GOOD THROUGH MAR. 31, 1990

# PATTERNS

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

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

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