

*the worlds first*

# DESTROYS ALL ODORS FOR 366 DAYS <sup>24 HOURS</sup> A DAY

## EVEN ELIMINATES THE ODOR OF A SKUNK.

- Nothing to Push, Pull or Refill
- Leaves No Tell-Tale "Cover Up" Smell
- Hangs Like a Small Picture
- Self Activating
- Rest It On Shelf
- Mount On Any Clean, Dry Surface

**Kills odors in bathrooms, kitchens, office, pet areas, automobiles, basements, trucks anywhere!**

Now . . . get a year's worth of fresh, odor-free air—for just about 1/2¢ a day! This amazing new cake air freshener that hangs anywhere, works miraculously to clear the air and destroy odors from smoking, rest-rooms, cooking, garbage, pets, spilled foods, chemicals, perspiration, crowds, staleness, mustiness, sinks—anything.

Dazie Disk, deodorizer cake is not a cover-up; it gives off no odor of its own! Its special formula works to kill ALL unpleasant odors and does it so completely and so swiftly that even if a skunk were to spray your room, the smell would be gone.

Works without, the inconvenience and uncertainties of canned sprays, or the heavy "medicated" aroma of other deodorant disks. It actually makes stale air "come alive!"

Hurry, order now . . . Dazie Disk costs only \$1.99 . . . Put a Dazie Disk in every room in the house. Order them in sets of two for just \$3.50, 6 for \$9.00. (Please add 50¢ postage and handling with each individual order.)

**FOR ONLY  
\$1.99**  
(Just over 1/2¢ a day!)

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Please rush me \_\_\_\_\_ Dazie Disk(s)  
@ \$1.99 plus 50¢ shipping and handling.

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



# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

## *Make Plans Now to Attend Your 36th Annual Meeting*

The 36th annual meeting of Illini Electric Cooperative will be held February 23, 1974, at the Rec-Arena, located two miles south of Champaign at 1 p. m.

The official notice will be mailed to each member in early February. Manager Walter Smith remarked, "I would like to invite each and every member to attend the annual meeting to hear the officers' reports on the past year's activities and to exercise his democratic right to vote in the election of directors." The meeting has been planned to provide both information and entertainment.

In addition to officers' reports, directors will be elected from the following areas: Champaign County Northeast; Champaign County Southwest and Douglas County West. The nominating committee appointed by the board of directors will submit names to be voted upon at the

meeting. Nominations will also be accepted from the floor.

This year's annual meeting will be held at the Rec-Arena, located two miles south of Champaign on U. S. 45 behind the Old Orchard Bowling lanes. Ample parking space will be provided, so plan on coming and arriving early so that you can register before 1 p. m. An early registration will entitle you to be eligible for an "early bird" award to be given at the start of the meeting. Many other attendance prizes will be awarded at the close of the meeting. Everyone attending will have a good chance of winning a prize.

Saturday was chosen to enable parents of school-age children to attend. For those who arrive early to visit with cooperative personnel and their neighbors — coffee, soft drinks, ham sandwiches and doughnuts will be served from 11 a. m. until 1 p. m. The meeting will start promptly at 1 p. m.



*President Merle Buddemeier personally invites all members to attend this year's annual meeting.*

The speaker this year will be Wayne S. Nordstrom, a humorist and lay pastor. His program is drawn from an antique patent medicine case of old bottles which were found under the one hundred year old house on his farm.

For an interesting and informative afternoon, mark your calendar and plan to attend.



## In The News Bin

BY WALTER R. SMITH

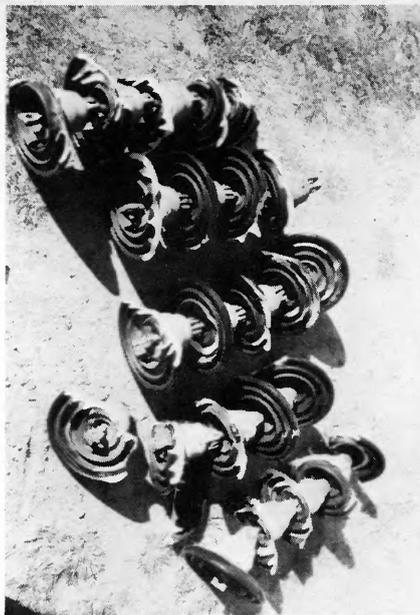
The question has frequently been asked in recent months, "Why do you continue to promote the use of electricity when you know there is an energy crisis?" It is a fair question and one that can be answered logically and truthfully.

First of all, modern civilization would not be possible without electric energy. Electricity turns the wheels of industry, makes modern farming and modern living possible. And electric power is the cleanest, most efficient and economical way to accomplish almost all tasks adaptable to its use.

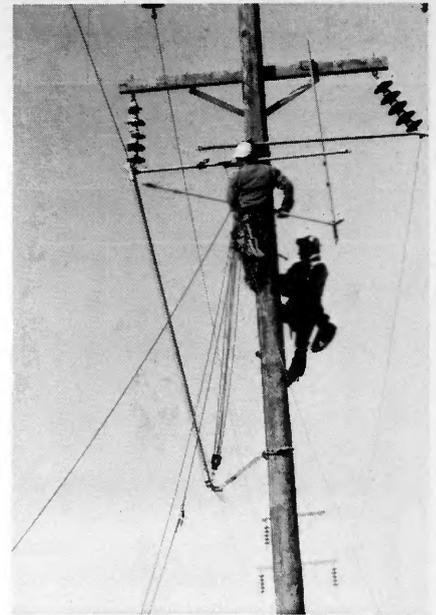
Secondly, electric cooperatives and other electric power suppliers have invested great sums of money in facilities to adequately serve all consumers all of their electrical needs; they must sell enough electricity to amortize these huge investments to stay in business. If they cannot sell enough power to make a go of it financially, then they no longer will stay in business and there will not be enough electricity available for even the basic needs of the nation.

The electric cooperatives and other power suppliers are well aware that the economic availability of natural resources is dwindling and that power suppliers have the responsibility to see that these resources are used wisely. Therefore, while the use of electricity is promoted, the emphasis is on its wise use.

Many of those who urge the conservation of energy (the arbitrary curtailment of our society's use of electricity) tend to foster an attitude that the use of electric power is an "evil" in itself, when in fact, the use of electricity is a godsend to mankind. What must be emphasized, and what is being emphasized by rural electric cooperatives, is that the waste or inefficient use of our natural resources and electricity is what must be



*These insulators were damaged by vandals, causing costly repairs and possible service interruptions to 900 members.*



*Journeyman Linemen Tom Kumler and Mike Foley, shown replacing damaged insulators. To make these necessary repairs while the line is hot, requires slow and careful work.*

## Cooperative Lines Hit by Vandals

A few weeks ago, a routine line patrol of one of the cooperative's 69,000 volt transmission lines was completed. This transmission line transmits electric power to the Sidney substation, which serves

avoided. This is a fine but important distinction.

So, we will continue to promote the wise use of electric power; we will continue to emphasize that the waste or inefficient use of electricity and other natural resources must be avoided. We will continue to participate in programs designed to assure future supplies of electric energy, and will continue to urge government, industry and science to develop new ways to produce electricity which are less harmful to our environment and less wasteful of our natural resources.

Electricity is essential to our modern civilization and because this is so, the continued promotion of its wise use is both justified and necessary if mankind is not to move backward.

approximately 900 homes and farmsteads in the Sidney-Villa Grove area.

A very serious insulator problem was found west of Villa Grove. Vandals, with high-powered rifles, had destroyed 37 suspension insulators.

The cooperative had these damaged insulators replaced immediately due to a high probability of flashover which would cause an electric power interruption to the Sidney substation.

The cooperative would greatly appreciate members calling the cooperative headquarters if you observe persons shooting at insulators. In just this one instance, vandalism cost the cooperative nearly \$1,000 to have them replaced. This kind of cost is figured in our expenses and must ultimately be reflected in the rates we charge. By holding down these expenses, we will all benefit from lower rates.

The destruction of insulators is the willful damage of personal property and persons caught in the act of destroying personal property of this type, could be prosecuted.

# what's new?

## Vinyl-Clad Freezer

Kelvinator offers a wood grain vinyl-clad food freezer. The 8.27 cubic-foot unit is especially suitable for use in apartments, mobile homes, family rooms or in other areas where space is at a premium. The freezer features Trimwall construction, a foam insulation that takes up less space. The unit has a capacity of 289 pounds of frozen foods, and is only 35 inches by 23 13/16 inches deep, including handles and hinges.



## Dial-A-Matic

The Hoover Automatic Power Drive Vacuum Cleaner is self-propelled by an "action grip." A light touch on the handle moves the unit forward or to the rear. Standard features include a lockout button for manual control, wide angle headlight, a power dial to regulate suction, a signal that lights up when the bag is full and the automatic floating rug adjustment adapts to shag, low pile or anything in between. The suggested retail price is \$169.95.

## Price Controls O Asked B

WASHINGTON, D.C. (CNS)—Three leaders of consumer groups asked in a press conference here for price controls on fuel supplies to prevent the poor from being left out and oil companies from getting excess profits.

Speaking in behalf of the consumer were Ralph Nader, the nation's best known consumer advocate; Lee White, chairman of the Energy Policy Task Force of the Consumer Federation of America, and the Rev. Jesse Jackson, director of the Chicago-based PUSH (People United to Save Humanity).

Nader said that industry, which uses 70 percent of the fuel in the nation, could trim consumption by 30 to 40 percent simply by not being wasteful. He mentioned General Motors, International Telephone and Telegraph and Radio Corporation of America as examples of large industries which might save from 10 to 25 percent on fuel without spending a cent.

"They simply apply thrift factors—so as to not use unnecessary amounts of fuel," said Nader. He listed these as cutting down boilers when not needed, trimming electrical use and shutting off machinery when not in use, among other things.

All three charged that oil companies withhold large amounts of oil reserves from the market. They said oil companies could obtain vast amounts of oil through secondary and tertiary recovery methods. They charged that oil firms take only about one-third of the oil from a field because it's cheaper to do so. They then move on to other fields, including overseas, where the drilling costs are much lower than in the U.S. One estimate is that the drilling cost per barrel in the U.S. is \$2.40 compared to 6¢ a barrel in some Mideast nations.

Nader said he will ask the nation's top 100 firms what they are doing to save fuel and will ask teams of

A FORMULA  
FOR LOVE

# A Happy Home Recipe

Full Color  
Linen WALL  
HANGING  
Makes  
Charming  
Decoration

only

\$1<sup>99</sup>



Mix 4 cups of love, 2 cups of loyalty, 3 cups of forgiveness . . . Here's a recipe for everyone in the family . . . a recipe that anyone can try and is guaranteed to come out beautifully as long as you follow the instructions! It's a recipe for happiness . . . it's a recipe that will make your life deeper and more profound. Yet it's told so simply and directly, no one can fail to appreciate its message. In fact it's all the wisdom you'll ever need to keep your home full of joy . . . help you over the rough spots . . . and remind you of the contributions you must make to keep love alive and make it grow.

But this piece is more than a message, it's a beautiful decorator piece printed in full color on fine linen and finished with hardwood rods top and bottom. Just to look at it will lift your spirits. An ideal gift . . . a homey reminder that all life expects is for you to put in as much as you'd like to take out. A full 14" x 17" it's yours for only \$1.99, and since it has such universal appeal, why not order another as a thoughtful gift, two for just \$3.50 (please add 50c postage and handling with each order).

**JAY NORRIS** CORP.

25 W. Merrick Rd., Freeport, N.Y. 11520  
Serving Satisfied Customers for over 25 Years

FEBRUARY, 1974

**BUY WITH CONFIDENCE—  
30-DAY MONEY-BACK GUARANTEE**

Jay Norris Corp., 25 W. Merrick Rd.,  
Dept. SEO-113 Freeport, N.Y. 11520

Please rush me \_\_\_\_\_ Wall Hanging(s)  
\$1.99 plus 50c shipping and handling.

SAVE! Order TWO for only \$3.50 plus 50c  
for shipping and handling.

SAVE More! Order SIX for only \$9.00 plus  
\$1.00 for shipping and handling.

SAVE More! Order TWELVE for \$18.00  
plus \$1.50 for shipping and handling.

Enclosed is  check or  money order for  
\$ \_\_\_\_\_

(N.Y. residents add sales tax.)

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

© Jay Norris Corp., 1973



# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

## ANNUAL MEETING

### ILLINI ELECTRIC COOPERATIVE

Saturday  
February 23, 1974  
1:00 P.M.

REC-ARENA  
Located 2 miles  
South of Champaign  
on U.S. 45

*Early Bird Award*

*Attendance Awards*

*Business Session*

*Entertainment*



BE AN EARLY  
BIRD!

### WINTER MONTHS BRING MORE POWER USE

Why do we usually use more electricity during the winter months?

Since you may be the one asking this question, let's list some of the easily overlooked uses:

1. Holiday cooking and baking for Thanksgiving, Christmas and New Year's meals.
2. More use of lighting because of the shorter daylight period.
3. Most heating systems require the use of electric power.
4. Many use electric space heaters in their homes and buildings.
5. Heaters for stock tanks and fountains are in use.
6. Engine heaters are in use for cars and tractors.
7. Electric blankets and heating pads are being used.
8. Clothes dryers are used more. And those located in unheated rooms use more energy.

### Illini Electric

Mailing Address—P. O. Box 637,  
Champaign, Illinois. Phone  
352-5241

Headquarters Location—1605  
South Neil Street, South of  
Champaign on U. S. Route 45.

Office Hours—8:00 A. M. to 5:00  
P. M., Monday through Friday  
— closed all day Saturday,  
Sunday and Holidays.

Holidays Observed—New Years,  
Lincoln's Birthday, Good  
Friday, Memorial Day, Fourth  
of July, Labor Day, Veteran's  
Day, Thanksgiving and  
Christmas.

Reporting Service Interruptions,  
Broken Poles and Fallen  
Wires—Phone 352-5241 — day  
or night — 7 days a week. No  
reverse calls accepted.

Denver plastic surgeon Sidney E. Blandford repairs faces — faces that have been disfigured by accidents.

Perhaps the most tragic of all accident victims treated by Dr. Blandford are the young children who have suffered electrical burns of the mouth from extension cords.

The common household extension cord, so useful and seemingly so harmless, has burned and disfigured for life hundreds of young children who placed the receptacles in their mouths. Everything goes into the mouth of a small child, especially one who is teething.

Dr. Blandford says that the triple outlet extension is the chief offender. "Seldom are more than one or two of the outlets utilized. The outlet end is on the floor and a child between one and two is attracted to it. He puts the outlet into his mouth, and saliva conducts the current through a moist membrane that offers little resistance."

What occurs, in the words of Dr. Blandford, is a "tragic, disfiguring disaster." Apart from the initial pain, healing is slow and scarring is great. Severe cases defy all efforts of reconstruction by skilled surgeons. Some disfigurement usually remains.

"The injury is apparent to all," says Dr. Blandford, "and particularly to the parents who are greatly upset by feelings of guilt in allowing this 'unnecessary' accident to happen."

Wherever possible, it is best not to use extension cords, but even new homes usually don't have enough wall outlets. So the extension becomes a necessity. When it does, certain precautions should be followed.

## THE BURN THAT SCARS A LIFE

To begin with, purchase a good one, not a cut-rate "cheapie." If there are small children in the house, it is probably best to use extension cords with either self-closing outlets or with plastic safety caps. On any extension it is important that the receptacle be



made so the prongs of the lamp or appliance cord fit securely.

In addition to selecting the right type of approved cord for the job on hand, there are a number of other safety rules that should be observed whenever electric extension cords are used:

Never run cords over radiators, pipes or other grounded metal. If heat or abrasion causes insulation to dry out and crack, a dangerous short circuit can occur.

Never allow cords to run under or over a door, or under rugs. Continual opening and closing of the door or frequent stepping on the cords can cause damage to the insulation—often where it cannot be easily seen.

Never yank a plug out of its socket by pulling on the cord. Instead, always reach down and grab hold of the plug itself to remove it.

Do not connect cords by plugging them into lamp sockets. Always plug the extension directly into a convenient wall outlet.

Two studies made in Boston and Denver, involving 20 electrical burns of the mouth, pinpointed poor plug fit as a key problem. In only two cases was there a snug connection between service cord and extension. In many cases, it was impossible to close the gap so a portion of the prongs was not exposed.

Similar conditions were noted when a random selection of extension cords were taken from a store's supply and tried with appliance service cords taken from the same store. The lesson here is: Don't use an extension that doesn't fit tightly with your service cord.

An extension cord that is disconnected from the appliance cord should never be left plugged into the wall, especially where young children are present. Get into the habit of unplugging the cord at the wall outlet, then remove the appliance cord if necessary.

Despite all precautions, there may be accidents if children don't know the hazards of electricity. Until a child is old enough to understand, the only solution is to keep him under a watchful eye. By the time a child is four years old, he should have learned from you the basic rules of safety with electricity, including extension cords.



15 DROPS  
PER MINUTE

30 DROPS  
PER MINUTE

60 DROPS  
PER MINUTE

48 GALS.  
PER MONTH

96 GALS.  
PER MONTH

192 GALS.  
PER MONTH

WASTES  
12 KWH

WASTES  
24 KWH

WASTES  
48 KWH

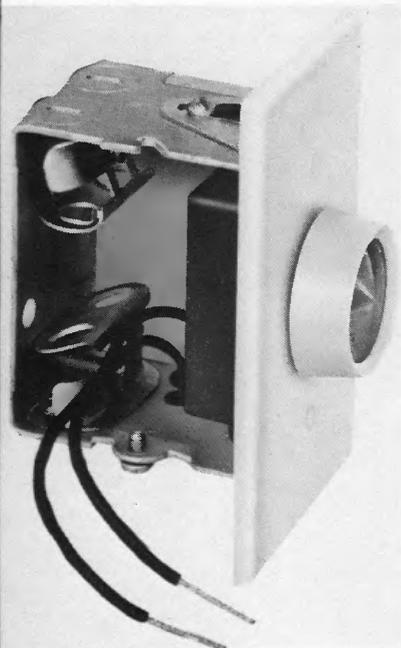
**It Pays To Heat Water Electrically**

## Leaky Faucets Result in High Bills!

**But It Doesn't Pay To Waste  
The Hot Water.**

Been thinking about fixing that leaky faucet but haven't found the time? This illustration may motivate you. Time your leaky faucet to determine the number of drops per minute; then find the kilowatt hours wasted. Multiply the kwh wasted by one and three-quarters cents and you will have the amount of money you wash down the drain each month.

# what's new?



## Trimatron

Trimatron™, a new compact dimmer device is available from the Leviton Manufacturing Company. The compactness of the switch allows for maximum space inside switch boxes, making installation faster and easier and thin enough for any wall system including mobile/modular structures. Trimatron™ features a full dimming range with clockwise rotary action for reliable switch action. The 600-watt dimmer is backed by a full-year factory warranty.

## Microwave Oven

A new "dual-power" microwave oven that allows greater cooking flexibility, as well as improved browning and defrosting, has been introduced by Sears, Roebuck and Co. The unit uses two energy levels, the "high" setting is perfect for fast cooking and the "low" level permits defrosting. There are no temperature controls to set because the oven cooks by time, not temperature. To operate the unit, only the power buttons and the timer is needed. The oven automatically shuts itself off and a bell signals the end of the cooking time. The unit operates on a standard 120-volt household current; no special wiring is needed.



## Hard Work And Long Hours

(continued from page 14)

Schewe pointed out that it is important for the consumer to understand the dairymen's side.

"There are other risks to which the dairyman is subjected, such as medical care," Schewe said. "Any cow receiving medical treatment which is necessary to maintain a quality herd, is essentially out of production. Medicine affects the milk and it can't be sold. So, for several days a dairyman is losing money."

Schewe does see a future in dairy farming, particularly, on a larger scale. But the investment for such an operation is complex, too.

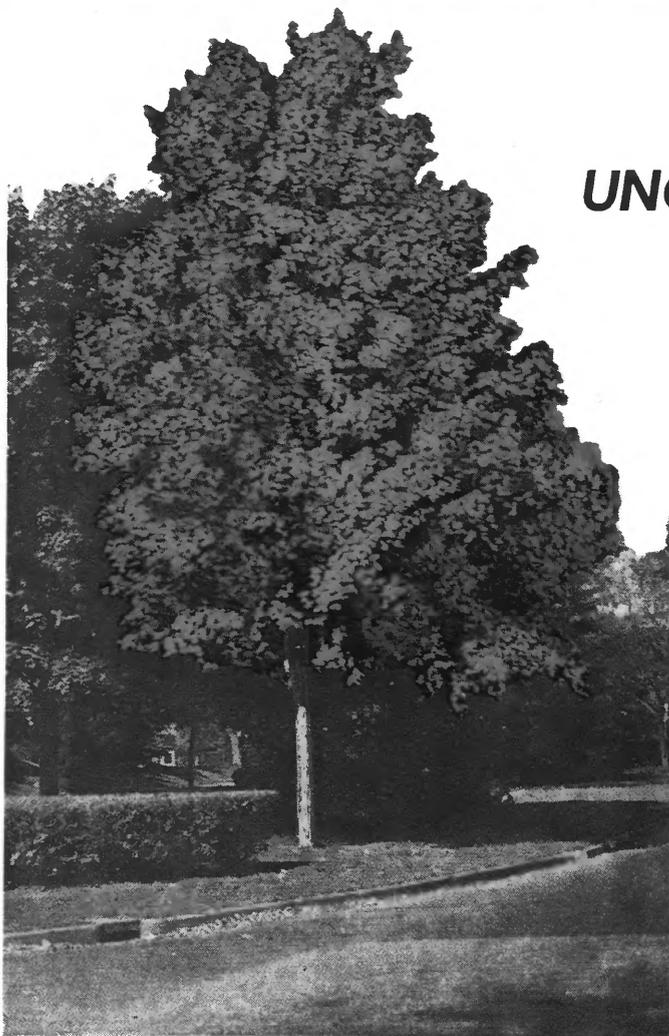
"Eventually I'd like to have a facility which would handle a 125-cow milking herd," Schewe said. "And to comply with new ideas in environmental protection, it would be a deodorized unit so the wind wouldn't carry the scent of the barnyard. But to set up such an operation, it would require an additional investment in equipment, buildings and an extra silo, which would cost about \$95,000."

Schewe's wife, Joy, was raised in St. Louis. But since her marriage, she has adapted to the dairy life quite well.

"I love the farm," she said. "At first it was hard to get used to getting up at 5 a.m. every morning, but now I don't mind at all. We milk twice a day but the only time I'm on duty is in the mornings. It takes us from about 5:30 to 9 a.m. to get the cows fed and milked, even with three of us working full time, Ron, myself and a helper."

Joy doesn't work during the evening's milking. A part-time employee joins with Ron and the full-time helper. It's not an easy job, although it may be enjoyable. It's also a seven-day-a-week, 52-weeks a year job, which doesn't leave much time for a vacation.

But thanks to the use of modern, electrically operated milking parlor, the Schewes do find their time to take a break from the yearly work.



**UNQUESTIONABLY THE MOST  
BEAUTIFUL  
FAST GROWING  
SHADE TREE  
IN AMERICA TODAY**

- This gorgeous tree is known as the scarlet maple, the red maple, or the **EVER CHANGING MAPLE**.
- Beautiful Red Scarlet leaves in the fall of the year, and beautiful deep dark green leaves in the spring of the year.
- Grows approximately 25-30 feet over a five year period, which makes it one of the fastest growing shade trees in America today.
- Many landscape architects, nursery men, and gardening experts refer to this tree as the "2 in 1" tree, because of its dual qualities of beauty and speed.
- Now is the ideal time to plant this tree.
- Shipped at 4 to 6 feet — all shipping cost paid.
- Due to the tremendous demand for this tree please allow two weeks for delivery.

Actual unretouched photograph of a five year scarlet maple.

**Beauty** — This beautiful shade tree blazes a brilliant red color in the fall and an olive green color in the springtime. Yes, recognized tree experts agree it is the one tree that delivers beauty throughout the year.

**Height** — This magnificent tree grows approximately 25 to 30 feet over a five year period (see photograph) and eventually soars to a height of eighty feet or more.

**Hardiness** — This tree is very hardy as the wood from maple trees is recognized as one of the hardiest.

**Adaptability** — "The scarlet maple has one of the widest ranges of our native trees, growing from eastern central Canada to Florida, and because of its ease of transplanting it adapts to any type of soil." (From *All About Trees* by E. Johnson). The one tree experts agree will grow anywhere in the U.S.A.

**TO BEAUTIFY YOUR HOME NOW ORDER TODAY ON A TWO WAY GUARANTEE**

Imagine! This beautiful tree shading your front yard and the looks of admiration and words of praise it will bring to your house and home. You'll agree it lends lovely contrasts to its surroundings. Now the retail price of this tree is \$4.98, but during this spring planting season our price is only \$4.49. Yes, just a mere \$4.49 for this beautiful shade tree. **ORDER TODAY—YOU WILL BE PLEASED.**

**TWO WAY GUARANTEE**

We are so sure that this is the most incredible shade tree that you've ever seen, here is our 2-way, ironclad guarantee: (1) If, upon arrival, you are not completely satisfied, then return for a full refund; (2) Free replacement, for any reason, up to one full year. When have you ever seen a stronger guarantee?

**OUR CHALLENGE TO YOU**

It's almost too good to be true, but we feel so sure that these native collected trees are some of nature's most prized possessions that we are making you an outstanding offer. Our knowledge and experience of many years and our own research about this tree gives us confidence in the following challenge. If you can find just one negative comment by an expert printed in any magazine, periodical, or gardening book, we will give you any item from our catalogue of over 400 varieties absolutely free of charge. We send a catalogue with every order. This offer is hard to beat! We are sure that anything you read anywhere about this beautiful scarlet maple will have nothing but praise and acclaim.

**NURSERY BARN**

P.O. Box 712-C

McMinnville, Tenn. 37110

Please send us these beautiful shade trees, on a two-way guarantee, the trees indicated below.

- |   |   |
|---|---|
| <input type="checkbox"/> 1 Shade Tree .....\$ 4.49            | <input type="checkbox"/> 4 Shade Trees (Save \$6).....\$11.98   |
| <input type="checkbox"/> 2 Shade Trees (Save \$2).....\$ 6.98 | <input type="checkbox"/> 8 Shade Trees (Save \$12).....\$21.98  |
|   | <input type="checkbox"/> 16 Shade Trees (Save \$16).....\$39.98 |

I enclose \$ \_\_\_\_\_ in  cash  check  money order

Name \_\_\_\_\_

Address \_\_\_\_\_

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



# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

## HOW'S YOUR ELECTRIC WIRING?

The key to the efficient performance of electrical home equipment is a modern electrical wiring system.

A high percentage of homeowners frequently experience a dilemma caused by "overworked" home wiring systems. The problem has been amplified over the years by the steady addition of new appliances, while the updating of wiring has been overlooked or neglected.

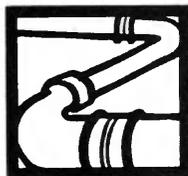
The symptoms of an over-taxed system appear as annoyances in various forms; the frequent blowing of fuses or tripping of circuit breakers, lights dimming when motor-driven appliances start, appliances laboring slowly and a shrinking television picture are all signs that trouble exists.

We advise present and prospective homeowners to observe the following guidelines for a modern wiring system:

- (1) An up-to-date system should have a sufficiently large three-wire entrance.
- (2) We recommend a main panel of at least 100 amperes. Total electric homes, or homes that use a lot of electricity, should have a 200 amp panel.
- (3) Your home should have an adequate number of circuits not only for your present appliance load but also to allow for added appliances in the future.
- (4) An adequate number of receptacles is important. Recommended: One for every 12 feet of wall space with a higher concentration in the kitchen.

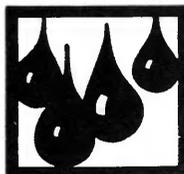
You are the one, of course, who must look after these things in your own home. Since few know enough about wiring to make sure there is full house power, we advise you to consult a qualified electrician.

## the energy situation



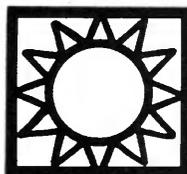
**GAS**

Our known gas reserves are dwindling fast. Within 15 years, demand may exceed existing domestic supply.



**OIL**

Known U.S. oil reserves may be depleted within 15 years. New discoveries are lagging. We are importing more and more foreign oil.



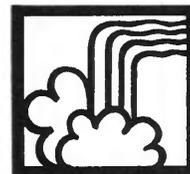
**SOLAR**

We would need perpetual sunlight. As yet, there's no practical way to store energy from the sun.



**WIND**

Too primitive. Windmills still work in some areas, but they're unreliable and inefficient.



**WATER**

Only about 4 per cent of the nation's energy comes from water power. And we've already harnessed our best sources.



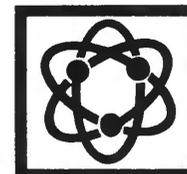
**GEO THERMAL**

Heat from the interior of the earth has been tapped in a small way at demonstration sites. Interesting but impractical for now.



**COAL**

There's enough U.S. coal to last an estimated 400 years. Based on BTU values, coal makes up 88 per cent of the nation's energy reserves. Greater utilization of coal can keep our lights burning and our industry humming both now and for centuries ahead.



**NUCLEAR**

Promising but slow in developing. Atomic power *may be* our best bet in years to come. Now? No. Nuclear power today contributes less than one per cent of U.S. energy.

# ELECTRICITY—THE BEST BUY

Just a little attention to the right way of using electric kitchen appliances can make a difference in your utility bills. Check these facts about refrigerators, dishwashers and ranges—you might save yourself some money.

**DEFROST**—If your freezer isn't frostless make sure you defrost it before the ice gets one-fourth inch thick. More ice than that cuts down on the cooling power of the coils.

**REFRIGERATOR DOORS**—Leave them shut as much as possible. Don't make repeated trips to remove items one-by-one when planning meals. Also, make sure door gaskets have a good seal. They'll become brittle and lose their effectiveness with age.

**TEMPERATURES**—Never set the controls lower than required to maintain proper temperature. You just waste power. If you are going away for a few days, raise the temperature setting slightly. The closed door will keep things cold.

**CAPACITY**—Keep your freezer full. The cold you have paid for can be retained much better by the food in your freezer than it can by air (which can spill out each time you open the door). Don't buy a freezer too big for your needs.

**DISHWASHERS**—Use your dishwasher only when you have a full load. Meanwhile, use it to store soiled dishes.

**BAKING**—Plan your oven meals. A complete meal can be cooked in the oven as economically as one food item. Get foods into the oven as soon as it's preheated—or don't preheat at all. Also, avoid using the oven for small amounts of toast. Turn the oven off as soon as you are through.

**BOILING**—When cooking vegetables, use a small amount of water. It takes less time to bring them to a boil. As soon as water reaches the boiling point, cut the setting back. When boiling water for coffee or tea, heat only as much as you will need. Remember, too, water comes to a boil quicker in a covered pan.

**UTENSILS**—Avoid using undersized pans on your surface units. Match pan size to unit size. Use pans with flat bottoms (not warped) to permit close contact with surface unit. Be sure pans have tight-fitting lids.

**COOK AND FREEZE**—Prepare double recipes for meals like spaghetti sauce, soups and stews that take a long time to cook. Then freeze half for future use.

## Ground All Electrical Equipment

Effectively grounding exposed metal frames or other exposed metal parts of electrical equipment provides worthwhile protection. Practically all of the shock-hazard can be eliminated by making and maintaining effective grounding of the equipment.

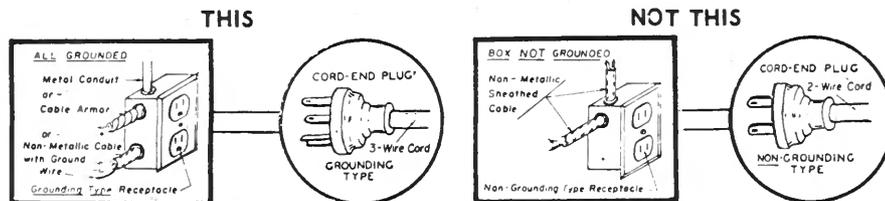
What Should Be Grounded?—In general, all exposed metal parts of switch and outlet boxes, metal conduits and cable armors, the metal frames or enclosures of electrical equipment and appliances and exposed metal frames or enclosures of other non-electrical equipment used with, or

as part of, electrically operated equipment. Here are a few examples.

**Fixed Household Appliances** — Ranges, dryers, dishwashers, wall-mounted lighting fixtures, clothes washers, air conditioners and water heaters.

**Farm Equipment**—Motors and their controls, hay and grain elevators and augers, milking and milk cooling and handling equipment, animal watering cups, barrier gates and railings, stanchions, feed grinding or mixing machines, metal bins and chutes.

### USE GROUNDING PLUG-INS



"ACCIDENTS DON'T JUST HAPPEN - THEY ARE CAUSED"

You can convert  
to Electric Heat  
NOW



Let us give you a free estimate on the cost of heating your home with electricity.

## All-Electric Poultry House Plans

Agricultural engineers at the University of Georgia now have plans available for the "Georgia All-Electric Poultry House," based on five years of electric industry-sponsored research and development.

The low profile (three to six foot ceiling), 6,000-bird windowless, 32 x 150 feet module unit incorporates energy-conserving insulation, off-peak electrical load, balanced ventilation, reduced lighting, automatic feeders and waterers, heated concrete floor, bird herder (to replace hand catching) and combination live bird/litter-droppings conveyor.

The house eliminates shavings, dries droppings, reduces bird bruising and handles birds entirely in bulk without coops. It produces and "harvests" broilers for less than two KWH per bird.

For further information, or plans, contact Dr. R. H. Brown, Agricultural Engineering Department, University of Georgia, Athens, GA. 30601.

**ELECTRIFY**  
Conserve fuels in short supply



**\* Over \$17,000.00  
total protection  
for less than \$15.00/month**

In an insurance plan, Dad needs the most protection. But Mom should be protected, too, especially while the children are young. And the kids need some insurance to start with . . . protection they can always be sure of having, regardless of later health problems.

All of these are combined in Congressional's Life Plan -- an excellent, low-cost, starting plan for any family, and an equally good supplement for the family who needs added protection.

The total amount of coverage and the monthly premium will depend, of course, on Dad and Mom's age and the number of children in your family. Just send us the information on the form below and we'll tell you exactly how much protection your family would have and what it would cost.

Remember, you're not buying a thing. . . just getting the facts to make a decision. So clip the form below and mail now, while it's handy. Then, when you get the details, talk it over with your wife (or husband) and let us know if you're both interested. Fair enough?

*\*The above plan is based on family group of husband, age 30; wife, age 28; and four children. Similar coverage available at comparable rates for ages 21 to 55.*

Husband's Name \_\_\_\_\_ Age \_\_\_\_\_

Address \_\_\_\_\_

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

Wife's Age \_\_\_\_\_ No. of dependent children \_\_\_\_\_

**GR/C** Congressional Life Insurance Company  
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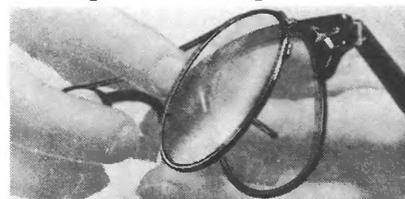
"You can't use it for a few minutes -- it's busy mixin' up a batch of biscuits."

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**Modern Protection Provides Great  
Comfort and Holding Security**

An "eye-opening" revelation in sensible and comfortable reducible rupture protection may be yours for the asking, without cost or obligation. Full details of the new and different Rice Support will be sent you Free. Here's a Support that has brought joy and comfort to thousands--by releasing them from Trusses that bind and cut. Designed to securely hold a rupture up and in where it belongs and yet give freedom of body and genuine comfort. For full information--write today! WILLIAM S. RICE, Inc., ADAMS, N. Y., 13865 DEPT. 9P

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Clip MAGNIFIERS on regular glasses. SEE CLEARER INSTANTLY. Read fine print. Do close work. Neat, metal frame. 10 day trial. SATISFACTION GUARANTEED. Send age, sex. On arrival pay postman \$4.95 plus C.O.D. or send only \$4.95 and we pay postage. PRECISION OPTICAL CO., Dept. 109-H Rochelle, Ill. 61068

Get rid of all ROACHES  
and WATERBUGS with



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Roaches eat Sure Kill greedily and return to their nests which they contaminate, starting a chain reaction that wipes out all other roaches and eggs.

Sure Kill never wears out, is absolutely odorless and safe to use. It contains no D.D.T. A single can cleans out six rooms and keeps them free of roaches and waterbugs for years. Money back guarantee. Send just \$3.98 for one can, two for \$6.98 postpaid.

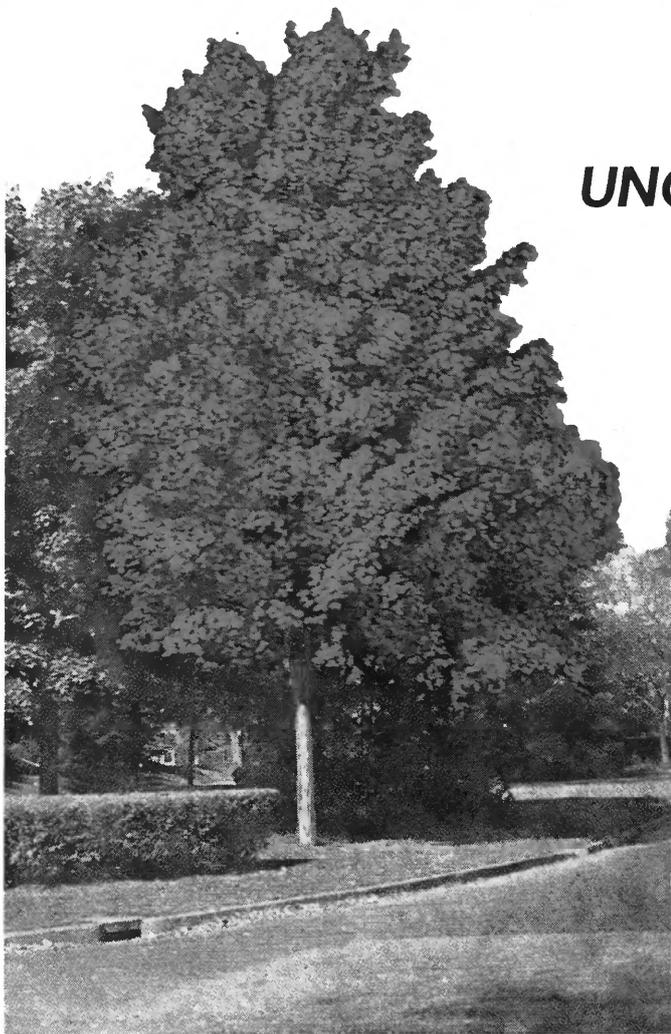
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ILLINOIS RURAL ELECTRIC NEWS



Actual unretouched photograph of a five year scarlet maple.

# UNQUESTIONABLY THE MOST BEAUTIFUL FAST GROWING SHADE TREE IN AMERICA TODAY

- This gorgeous tree is known as the scarlet maple, the red maple, or the EVER CHANGING MAPLE.
- Beautiful Red Scarlet leaves in the fall of the year, and beautiful deep dark green leaves in the spring of the year.
- Grows approximately 25-30 feet over a five year period, which makes it one of the fastest growing shade trees in America today.
- Many landscape architects, nursery men, and gardening experts refer to this tree as the "2 in 1" tree, because of its dual qualities of beauty and speed.
- Now is the ideal time to plant this tree.
- Shipped at 4 to 6 feet — all shipping cost paid.
- Due to the tremendous demand for this tree please allow two weeks for delivery.

**Beauty** — This beautiful shade tree blazes a brilliant red color in the fall and an olive green color in the springtime. Yes, recognized tree experts agree it is the one tree that delivers beauty throughout the year.

**Height** — This magnificent tree grows approximately 25 to 30 feet over a five year period (see photograph) and eventually soars to a height of eighty feet or more.

**Hardiness** — This tree is very hardy as the wood from maple trees is recognized as one of the hardiest.

**Adaptability** — "The scarlet maple has one of the widest ranges of our native trees, growing from eastern central Canada to Florida, and because of its ease of transplanting it adapts to any type of soil." (From *All About Trees* by E. Johnson). The one tree experts agree will grow anywhere in the U.S.A.

## TO BEAUTIFY YOUR HOME NOW ORDER TODAY ON A TWO WAY GUARANTEE

Imagine! This beautiful tree shading your front yard and the looks of admiration and words of praise it will bring to your house and home. You'll agree it lends lovely contrasts to its surroundings. Now the retail price of this tree is \$4.98, but during this spring planting season our price is only \$4.49. Yes, just a mere \$4.49 for this beautiful shade tree. **ORDER TODAY—YOU WILL BE PLEASED.**

### TWO WAY GUARANTEE

We are so sure that this is the most incredible shade tree that you've ever seen, here is our 2-way, ironclad guarantee: (1) If, upon arrival, you are not completely satisfied, then return for a full refund; (2) Free replacement, for any reason, up to one full year. When have you ever seen a stronger guarantee?

## OUR CHALLENGE TO YOU

It's almost too good to be true, but we feel so sure that these native collected trees are some of nature's most prized possessions that we are making you an outstanding offer. Our knowledge and experience of many years and our own research about this tree gives us confidence in the following challenge. If you can find just one negative comment by an expert printed in any magazine, periodical, or gardening book, we will give you any item from our catalogue of over 400 varieties absolutely free of charge. We send a catalogue with every order. This offer is hard to beat! We are sure that anything you read anywhere about this beautiful scarlet maple will have nothing but praise and acclaim.

## NURSERY BARN

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McMinnville, Tenn. 37110

Please send us these beautiful shade trees, on a two-way guarantee, the trees indicated below.

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|---|--|
| <input type="checkbox"/> 1 Shade Tree .....\$ 4.49            | <input type="checkbox"/> 4 Shade Trees (Save \$6).....\$11.98  |
| <input type="checkbox"/> 2 Shade Trees (Save \$2).....\$ 6.98 | <input type="checkbox"/> 8 Shade Trees (Save \$12).....\$21.98 |
|   | <input type="checkbox"/> 16 Shade Trees (Save \$16)....\$39.98 |

I enclose \$ \_\_\_\_\_ in  cash  check  money order

Name \_\_\_\_\_

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



# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

## A YEAR OF HARD WORK, PROGRESS FOR ILLINI ELECTRIC COOPERATIVE

Another year of progress was reported to members attending the 36th annual meeting of Illini Electric Cooperative, Inc., held at the Rec-Arena near Champaign recently.

Over 400 members were in attendance as cooperative officials discussed the problems facing the cooperative and the progress made to meet them.

President Merle A. Buddemeier of Longview said that although several problems, including REA financing and the energy crisis, have affected the cooperative, he believed Illini would be able to continue making progress in the years ahead.

"We have a board which is used to hard work and long hours," Buddemeier said. "The board wants to give members the best possible service at the lowest cost."

Buddemeier also said he believed the 100 percent turnout at the monthly meetings of the board showed their desire to further the ends of the cooperative and to do the best possible job.

Manager Walter R. Smith told the members that Illini was collaborating with other power suppliers and concerned departments of the federal government in a new organization called "Electric Power Research Institute."

"Through this organization we intend to develop new sources of energy conversion equipment, liquification and/or gasification of our abundant coal supply and many other research and development projects," Smith said. "We want to assure ourselves and future generations of an ample supply of electric energy."

Smith also told the members that the rural electric system had not been caught off guard by the crisis, but



Manager Walter R. Smith, left, greets the Honorable Paul Stone, State Representative of the 52nd District, while two interested cooperative members look on.



FROM LEFT: A representative of the Case Company talks equipment with Past-Illini President Merle Buddemeier and Board Member E. S. Wetzel during the 36th annual meeting of the cooperative.

rather had begun alerting the nation of an approaching crisis nearly five years ago.

Treasurer Charles C. Cole of Penfield reported the cooperative remains in sound financial condition. The cooperative paid \$446,478.61 in wholesale power costs during 1973, an increase of 16 percent over 1972. But during the same period, the average power cost for Illini consumers increased only 2.4 percent. The cooperative paid \$75,425.52 in taxes for 1973.

During the business session, cooperative members re-elected Cole, Wilbur W. Gady of Sadorus and E. S. Wetzel of Atwood to serve three-year terms on the board of directors. Other board members are Clarence Day of Bement, Buddemeier, Vic Swanson of Ludlow, Clarence Maddox of Allerton, Irvin Liestman of Mahomet and James F. Beatty of Philo.

At a reorganizational meeting, the directors elected Maddox, president; Gady, vice president; Liestman, secretary and Beatty, treasurer.

Wayne S. Nordstrom, United Methodist lay pastor from Bishop, and Thomas H. Moore, general manager of the Association of Illinois Electric Cooperatives, Inc., Springfield, were the annual meeting speakers.

Nordstrom, better known as "The Flying Parson," presented a program drawn from an antique patent medicine case of old bottles he had found. Calling them "Sentinels of the Past," Nordstrom used the bottles in the manner of an old medicine show to draw parallels to events in contemporary society.

Moore addressed the membership on the effect of the energy crisis on electric cooperatives.

"We have been concerned about the energy situation for years, but only recently has it come to national attention.

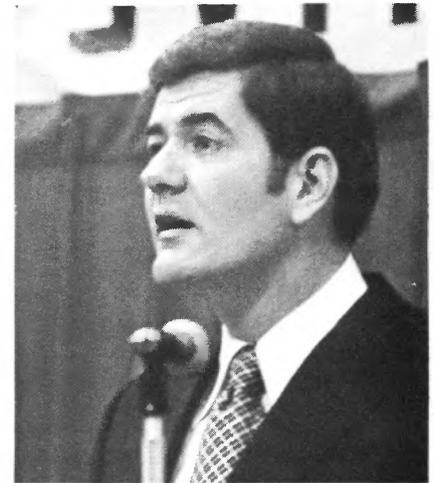
"For the past 13 years we have pushed for a national energy policy that would assure us a plentiful supply of energy and protect the interests of consumers."

Special visitors attending the meeting were Congressman Edward Madigan of the 21st Congressional District and State Representative Paul Stone of the 52nd District.

Madigan lauded the cooperative members for maintaining a combination of civic and legislative interest in providing essential electric and social services to the area. Stone described the cooperative's service as an outstanding example of a "self-help organization" which has benefited the rural area in Central Illinois.



*Wayne Nordstrom, "The Flying Parson," provided the entertainment for the meeting.*



*Congressman Edward Madigan of the 21st Congressional District praises cooperative members.*



*During the reorganization meeting cooperative officers were elected. From left are: Clarence Maddox of Allerton, President; Wilbur W. Gady of Sadorus, Vice President; Irvin Liestman of Mahomet, secretary and James Beatty of Philo, treasurer.*

## Will they go on to college . . .



**if you aren't around  
to help pay the costs?**

In less time than you think, your grade-schoolers will be ready for college. But college costs come high these days...even higher in the future.

So if you have college plans for your son or daughter, let Congressional show you how life insurance can help.

Life insurance can GUARANTEE the financial help you'd provide...even if you aren't around to pay tuition and monthly costs yourself.

Life insurance can GUARANTEE cash values in a program that will help both you and your children meet the financial costs of a college education.

Congressional Life offers a handy, 48-page booklet of current, up-to-date costs at over 1,200 colleges throughout the nation. It's free, yours for the asking. Just complete and clip the form below, then tape or paste to a postcard, or insert in an envelope. Mail it to "College Costs Booklet", Congressional Life Insurance Company, Golden Rule Building, Lawrenceville, Illinois, 62439.

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**Congressional Life Insurance Company**

GOLDEN RULE BUILDING • LAWRENCEVILLE, ILLINOIS 62439

## Whittling away on his retirement (continued from page 8)

gether, not put together after the links are made.

"A lot of people are always wondering how I make them," Day said. "It really isn't that hard after you make the first one. One boy who saw them kept looking at them and wondering where the cuts were to glue them together."

None of Day's work is for sale, because as he puts it, "I really can't put a value on it, so I don't sell my work. I just like making them."

There are a lot of people who have heard about Day's craftsmanship in making wooden objects. A local teacher has made tapes explaining Day's hobby for members of the United States Army overseas.

Day doesn't advocate whittling for everyone who retires. It takes a lot of time and a good deal of ability. If you are as good at it as he is, however, it might be worth the effort.

Get rid of all ROACHES  
and WATERBUGS with



**SURE KILL**

Or You Pay Nothing



Roaches eat Sure Kill greedily and return to their nests which they contaminate, starting a chain reaction that wipes out all other roaches and eggs.

Sure Kill never wears out, is absolutely odorless and safe to use. It contains no D.D.T. A single can cleans out six rooms and keeps them free of roaches and waterbugs for years. Money back guarantee. Send just \$3.98 for one can, two for \$6.98 postpaid.

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An "eye-opening" revelation in sensible and comfortable reducible rupture protection may be yours for the asking, without cost or obligation. Full details of the new and different Rice Support will be sent you Free. Here's a Support that has brought joy and comfort to thousands—by releasing them from Trusses that bind and cut. Designed to securely hold a rupture up and in where it belongs and yet give freedom of body and genuine comfort. For full information—write today! WILLIAM S. RICE, Inc., ADAMS, N. Y., 13605 DEPT. 9P

ILLINOIS RURAL ELECTRIC NEWS



# friends

A farm sale is a little bit of Americana reminiscent of quilting bees and roof-raising parties a century ago. It is a time for people getting together in rural areas, which is perhaps more important than the actual sale of goods.

A farm and household goods sale is a sad time also. Another man who tilled the soil and raised beef for others is leaving for the city or retiring to enjoy his later years. For the people at the sale who know him, it's almost a way of saying goodbye; we are glad to have known you.

Few farmers go through life without collecting a lot of household goods, antiques and assorted memorabilia, in addition to farm machinery and equipment. James Monti and his wife of rural Carlinville were no exceptions.

Monti, a member of M.J.M. Electric Cooperative, Inc., Carlinville, held a sale recently to divest himself of articles he no longer needed and to accumulate some cash for his retirement.

You could see the site of the sale a couple of miles away. Cars and trucks lined the county road several hundred yards in either direction. Easily 200 people walked the grounds looking over the items for sale, deciding how much they would bid for a choice article and wondering if their bid would take home the prize.

Inside one of the sheds, area ladies started brewing the coffee, making the sandwiches and slicing the pie. Farm sales are all-day affairs and bidding tends to make one hungry.

Roy Weller, an auctioneer from Carlinville, started the sale with small household items such as clothes,

kitchenware and lamps. The bids didn't range too high, but they weren't expected to. The larger, more expensive items would come later. An antique wall telephone brought over \$50—a set of pictures only \$1.

Bidding itself is an art. For the uninitiated it often looks like no bid has been made, yet the auctioneer goes higher in his asking. A raised finger, a muffled voice from deep in the crowd and another item has been sold.

A sale moves quickly. The auctioneer seems never to cease his chatter. A pair of wine presses, wooden barrels, two antique stoves, a rifle and other items move quickly. Later in the day, the farm machinery—tractors, truck, plows and a combine—all go up for sale.

Underneath the exterior of the sale is a current of rural friendliness, where everyone is a neighbor and everyone wants to have a good time. People form in little groups around the yard, talking about the crops, the weather or maybe just about the people they've seen at the sale.

A farm sale isn't limited to farmers, nor to men or those over 40. Half the people are women, some coming to help with the food, others to bid. People you would automatically label "city" blend in and are made to feel welcome. Ages of the people range from babies in their mother's arms through teenagers to older people.

Late in the afternoon the last item goes up for bid and is sold. The auctioneer lays down his microphone, the ladies pick up their baked goods, the crowd trickles slowly home and the line of vehicles disappears.

For Jim Monti the sale was a successful venture. For his neighbors, it was a good way of saying goodbye.



# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

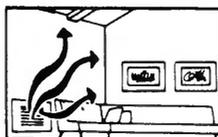
## There's an Electric Heating System Just Right For Your Home



Baseboard Units



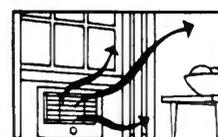
Heat Pump



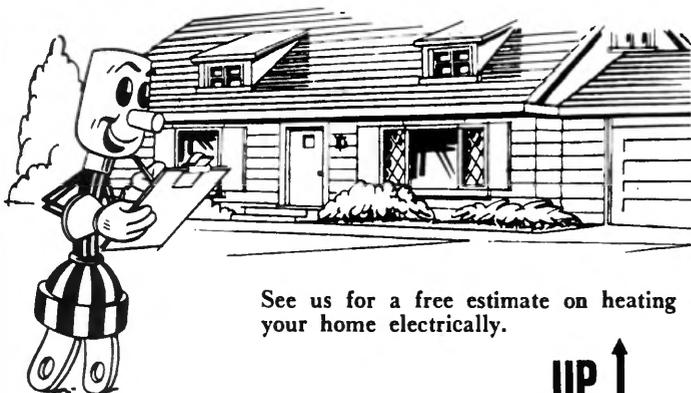
Central System



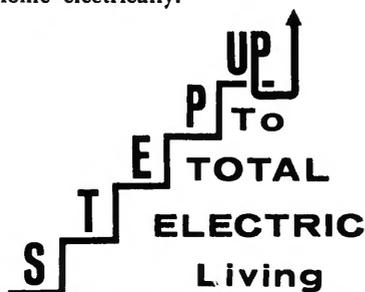
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If you are planning to build or remodel your home, there's a type of flameless electric heat that will meet your needs exactly. And, regardless of the electric heating system that you decide on, you'll discover a new and wonderful kind of living comfort.

More and more homeowners and their families are enjoying electric heating. You can too. If you're thinking of building a new home or remodeling your present home, you should consider electric heat.

Call us today. We'll help you solve your heating needs electrically. Be sure to ask us about our low all-electric heat rate. And let us give you a free estimate on the cost of heating your home with electricity.

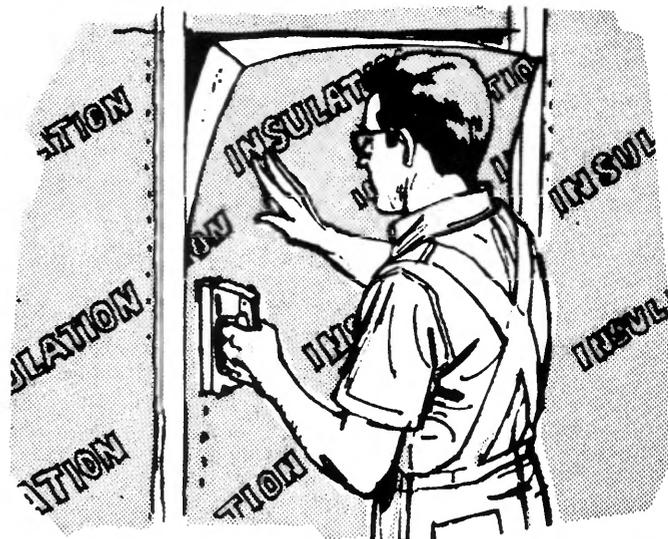
## Electric Heating and Proper Insulation - A Money Saving Comfort Team

There are steps you can take to ensure that you get the clean, efficient warmth and comfort expected from electric heating. You'll save money, too.

- **PROPER INSULATION** of ceilings, walls and floors prevents heat loss and also helps keep you cool on hot summer days.
- **STORM DOORS** and windows help, too.
- **WEATHER STRIPPING** of windows and doors helps prevent cold drafts.
- **THE PROPER SIZE** heating unit for your home is important.
- **TURN DOWN** the thermostat when you leave the house unoccupied over night.

Electricity is too good to waste. Contact your Rural Electric system for money saving, electric saving hints.

The electric way is clean.



# SPRING HOUSE CLEANING?

Yes, electric heat is clean. But, like any other fixture in the rooms of your home, electric heaters will gather dust, lint and even hair. Especially if there are pets in the home and in rooms with a lot of traffic from outdoors.

Probably the two most common electric heaters that need an occasional cleaning are electric baseboards and the fan-forced wall heaters. Dust and similar matter will collect near the cold air intake on the underside of the baseboard and around the fan intake on the wall heater.

For these heaters to do the most efficient job of heating and to avoid obnoxious odors when heating, these heaters should be cleaned once each year. A vacuum cleaner with a crevice or brush attachment will reach and clean most deposited dust on both the baseboard heaters and the wall type heaters.

Before beginning the cleaning job, be sure the electricity is turned off at the service panel for the circuit serving the heater. Take off the front panel of the wall heater by removing a few screws. Most baseboards have spring-like clips that hold the center face-panel in place. The heater should now be fully exposed for cleaning purposes. In some baseboard heaters where lint or hair is present, it might be slightly compacted between the fins of the heater and will require a little more effort, such as brushing for removal.

A central electric heating system such as the electric furnace or heat pump can be simply cleaned by changing the filter. Perhaps, the only electric heating system that requires

absolutely no cleaning is the completely hidden ceiling system such as ceiling cable. But we can say with assurance, electric heating, no matter the type, is clean in that it in itself produces no dirt, or soot and leaves no film.

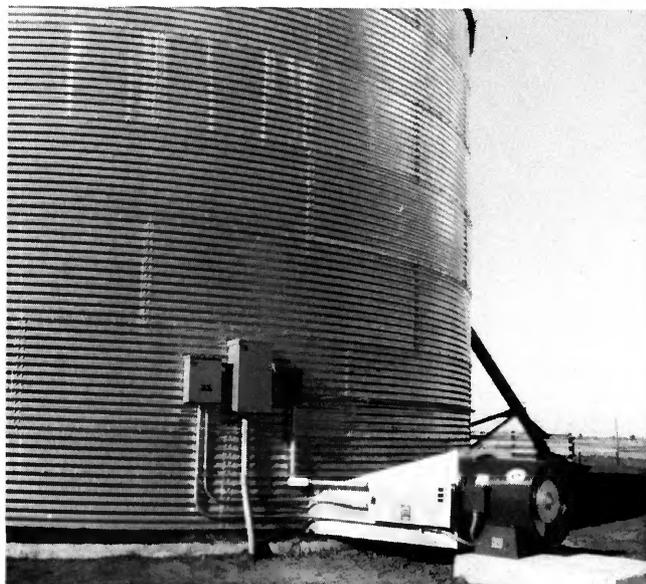
## ELECTRIC HEATERS ARE EASY TO CLEAN!



## ADDING A GRAIN DRYER?

If you are planning to add a grain dryer this year, contact the engineering department as soon as possible, preferably by July 1. Because of pole and material shortages, we must be notified early, so any wiring changes can be made during the summer.

For information and questions about the size of fans for electric heat dryers, contact the member services department before you order the bins.



# what's new?



(continued from page 5)

sulphur made at the meeting.

"This fixation with sulphur," Bagge claimed, "is impeding the coal industry's expansion and hurting the nation's chances of ever attaining energy self-sufficiency."

Bagge also warned against putting too much faith in the development of synthetic fuels from coal.

"If coal is to contribute to meeting short to mid-term energy needs, its largest contribution will have to come from coal burned as coal," Bagge said. "Illinois coal can be burned in many locations in this state without damage to public health, property or state air standards."

Charles Schulze, senior fellow with the Brookings Institution in Washington, said the public should not be locked into paying "artificially high" prices for energy. He said the idea that higher energy prices should be welcomed is "just nonsense."

"The American consumer is paying \$19 or \$20-million more for his energy and getting less," Schulze said. "Forty percent of that went abroad and 50 percent goes into the domestic profits of the oil companies."

Attending the two-day conference from the Illinois electric cooperatives were: John Adkisson, Norris Electric Cooperative, Newton; Roy E. Horton and M. M. Jontz, Illinois Valley Electric Cooperative, Princeton; Maurice Johnson, Edgar Electric Co-operative, Paris; Wayne Lanning, Adams Electric Co-Operative, Camp Point; Stanley Otten, Rural Electric Convenience Cooperative, Auburn; Arthur Peyton, McDonough Power Cooperative, Macomb; Dale Smith and James Holloway, Egyptian Electric Cooperative, Steepleville; Charles Witt, M. J. M. Electric Cooperative, Carlinville, and William Dean, Joe Spivey and Jim Pottorf, Association of Illinois Electric Cooperatives, Springfield.



## Electric Range

A new 30 inch eye-level Connoisseur electric range is now available from the Whirlpool Corporation. The smooth-top is designed to provide heat distribution through the ceramic glass top. It features continuous cleaning ovens, controls under glass fluorescent light illuminate work areas and a digital clock controls the automatic oven and appliance outlet.



## Energy Saver Decals

Whirlpool Corporation is offering free energy saver decals with consumer tips for conserving energy on major home appliances. Included in the set are energy stickers for ranges, dishwashers, washers, dryers, refrigerators and room air conditioners. Interested homemakers can get a set of the six energy saver stickers by writing: Whirlpool Corporation, Energy, Benton Harbor, Mich., 49022.

Governor Dan Walker thought it important enough to proclaim a special day for it to be held . . . Lt. Governor Neil Hartigan took time from his busy schedule to talk about it . . . and Illinois electric cooperatives were extremely pleased to sponsor it.

IT was the first "Illinois Rural Electric Youth Day" and the second year of the "Youth to Springfield" tour. Over 110 essay finalists and chaperones from 10 Illinois electric cooperatives met in Springfield on May 8 to participate.

Cooperatives sponsoring the youth tour were Adams Electrical Cooperative, Camp Point; Clinton County Electric Cooperative, Inc., Breese; Coles-Moultrie Electric Cooperative, Mattoon; Eastern Illinois Power Cooperative, Paxton; Egyptian Electric Cooperative Association, Steeleville; Illinois Rural Electric Co., Winchester; Monroe County Electric Co-Operative, Inc., Waterloo; Southwestern Electric Cooperative, Inc., Greenville; Wayne-White Counties Electric Cooperative, Fairfield and Western Illinois Electrical Coop., Carthage.

This year, 19 electric cooperatives in Illinois sponsored an essay contest in their area to select rural students to represent the cooperative in the annual "Youth to Washington" tour. This is the second year where finalists from many of the cooperatives have been honored and rewarded for their participation with an all-expense, full-day trip to the State Capital.

IT was the VIP's tour, too.

Governor Walker, although personally unable to attend, welcomed the students with

a proclamation which praised the young people for "their interest and achievements in rural electric youth activities, for taking advantage of the educational experience they are offered and for the responsible leadership they are developing." The Governor also wished them a most enjoyable and profitable visit.

After assembling at the Association of Illinois Electric Cooperatives, Springfield, for a tour of the state-wide facilities, the students boarded three buses and were whisked away for a tour of the Illinois House and Senate Chambers at the State Capitol Building.

While at the Capitol, the delegation was recognized on the floor of the Senate and given a round of applause by their legislators.

One of the day's highlights was an address from Lt. Governor Hartigan at a noon luncheon held in the students' honor at the Ramada Inn Forum XXX, Springfield's newest hotel and banquet center.

The Lt. Governor praised the students for their "outstanding achievements" as leaders in their respective

schools and for their willingness to participate when others have shrank from responsibilities and duty.

"You are the people who will lead this state and this country in future years," Hartigan said. "It is never too early to start thinking about what you want to do with your life. Take part. Participate. Get involved in the running of your state government. I have been in government for the past 12 years and I believe it is one of the most responsible and rewarding things one can do with their life."

During the luncheon, Miss Kathy Harriss of Fairfield, who is presently reigning as "Miss Illinois Electric Cooperative" and "Miss Rural Electrification, 1974" was presented a \$1,500 scholarship check by W. J. Shields, District Manager, Apparatus Distribution Sales Division, General Electric Co., St. Louis, Missouri. The check was presented to Miss Harriss on behalf of the General Electric Company for having been selected "Miss Rural Electrification" at the NRECA Annual Meeting held in February.

## Illinois Rural Electric Youth Day



Other activities during the day included a tour of the Illinois State Museum, the Old State Capitol Building and the Lincoln Home and Tomb.

While students from seven of the cooperatives returned home in the late afternoon, more was in store for essay finalists from Adams, Illinois Rural and Western Illinois electric cooperatives. The group had the singular opportunity to meet with nine legislators, representing the 47th, 48th and 49th Legislative Dis-

*(continued on page 15)*



# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

## CHANGING OF THE GUARD

It is with mixed emotions that we advise you of the retirement on May 31, of Lloyd W. Roy, who has faithfully and diligently served the cooperative as its office manager and accountant for the past 21 years. However, we are proud to introduce Wm. David Champion, Jr., who has accepted the responsibilities formerly executed by Mr. Roy.

Although we regret losing Mr. Roy from the staff, we are sure you will join us in wishing him and his wife, Louise, much joy and happiness in the new "emeritus" status. Mr. Roy has worked hard all his life and has earned the privilege of freedom from the rigors of heavy corporate responsibility. We are pleased to report that Mr. & Mrs. Roy are in excellent health and look forward to many happy years of pursuing their own personal pleasures.

We are pleased to welcome Mr. Champion aboard as the cooperative's office manager and accountant. Mr. Champion was raised on a farm near Gays, Illinois, and graduated from Windsor High School in 1956 with many honors. He is a veteran of the United States Air Force, having served a four year tour of duty. Mr. Champion became associated with Illini Electric Cooperative on August 13, 1973, on a part-time basis as office-manager trainee while he completed his last year at the University of Illinois. With his completion of requirements for a Bachelor of Science Degree in Accounting and Business Administration and his 10-month apprenticeship training with our veteran accountant, Mr. Roy, we are confident that Illini Electric Cooperative's excellence will remain the envy and inspiration to many similar organizations. Mr. Champion also had the good fortune to marry his

very delightful wife, Deborah, on June 9, 1973. Mr. and Mrs. Champion have established their home at 1709 Carolyn Drive in Champaign.

We trust you will accord Mr. Champion the same respect and courtesies in the future that you have extended to Mr. Roy in the past.

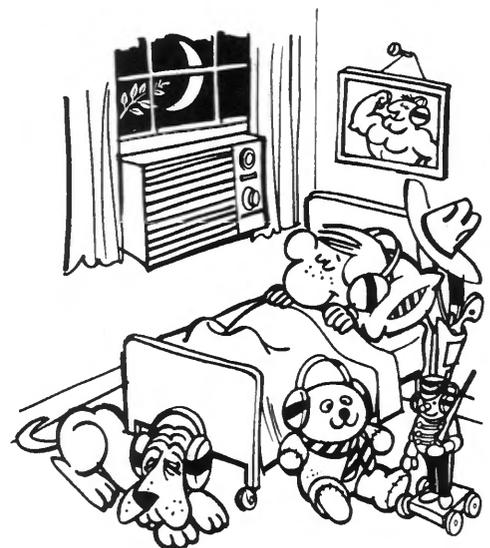


### SLEEP BETTER TONIGHT WITH AN ELECTRIC ROOM AIR CONDITIONER

Stop tossing and turning these hot, muggy nights. And then dragging through the sweltering days. Install a room air conditioner and sleep in cool comfort all summer long.

Costs just pennies a day, thanks to low-cost rural electric power. Add one or two units each summer; in no time, you have whole house air conditioning!

*Keep cool... regardless of the temperature outside. Air conditioning costs so little... yet it surrounds you with cool comfort so you can sleep at night; really enjoy life even on the hottest day.*



MANAGER'S COLUMN:

# In The News Bin

BY WALTER R. SMITH

By now we have all learned it is possible to live with the energy crisis, although life styles in some cases have changed. Low temperature grain drying is an example of a change that could be made where you should end up with lower drying costs and a better quality product.

The shortage of petroleum has caused prices of propane to double and even triple over 1972 prices. With these dramatic increases, ways must be found to use less propane while maintaining quality dry corn. One method would be to convert your system to an electric dryer. However, this would mean purchasing new equipment and spending quite a bit of money to upgrade the wiring system at the bin. The alternative would be to use your existing equipment and convert it to low temperature drying.

The Agricultural Engineering Department of the University of Illinois has found a method that will work. By lowering the heat input of your burners as low as possible, and by installing a clock timer to limit the number of hours the burner will operate, most gas dryers can be converted to low temperature drying at a cost of around \$50.

A clock timer with a 24 hour dial will permit the burner to operate the number of hours desired, which is determined by the temperature rise through the burner. The formula for determining this is:

$120/\text{Temperature Rise} = \text{Number of hours to operate burner.}$

The first thing to determine is the lowest setting the burner will operate. This will take some experimentation since safety equipment requires a certain amount of heat to keep them operating. Measure the temperature rise across the burner and apply it to the formula above. For example, if the temperature rise is 30 degrees, the formula would equal 4 hours per day.

JUNE 1974

At that setting, the average temperature rise for the day would be 5 degrees.

Since this would be a low-temperature drying system, the drying time will be 30 to 45 days, depending on weather conditions and moisture of the corn. With this system, the initial moisture should not be above 24 percent.

Should the initial moisture exceed

24 percent, grain depth should be lowered allowing more air per bushel to flow. For best results, the average temperature for the day should not exceed 50 degrees. Early harvest with high outdoor temperatures is not recommended as corn can go out of condition in just a few days.

For more information, contact the Member Services Department at Illini Electric Cooperative office.

## IN 1935 THERE WAS AN ENERGY CRISIS

# RURAL AREAS HAD NO ELECTRICITY



**ELECTRIC COOPERATIVES SOLVED THAT PROBLEM, AND TODAY THEY ARE WORKING TO SOFTEN THE IMPACT OF OUR FUEL SHORTAGE. THAT'S THE CO-OP WAY.**

## SAVE ENERGY AT HOME

Before you buy an appliance, think the situation over carefully to determine if the purchase will really fit your need. Appliances which are loaded with automatic gadgets are likely to use more energy, cost more to operate and cause more service problems. For the average person, the middle-of-the-line model is usually your best buy in a major appliance.

If you prepare food for a small family you might consider an electric frypan or oven. Ovens are available in several brands and sizes. Some models will bake, broil or toast. They will

prepare food quickly, easily and economically.

You can also conserve energy by using some of your appliances during off-peak periods when power is available but is not in full use.

Although peak load periods differ slightly from one location to another, off-peak times more often fall during evening hours. These are good times to run the dishwasher, the washer and dryer. Power tools can be used on weekends when there are fewer energy demands.

What if your  
**INCOME**  
 should suddenly



## Could you live **WITHOUT** your income?

Income is your biggest asset - - - worth more than all the property you have now - - - the source of all the property that you may have in the future. But income can be stopped by accident or illness. What then? Costs of medical care increase your monthly expenses. Will you be forced to spend your savings? Go into debt? Become dependent on others?

Congressional's Income Protection plans solve this problem, easily and economically - - - providing income when you are disabled, preserving your family's standard of living, paying you money when you need it most. For full details, or for other information, check the appropriate box below, complete the form, and mail today.

### Health Plans

- HOSPITAL-SURGICAL-MEDICAL PLAN  
(for individuals and families)
- INCOME PROTECTION PLAN  
(income when disabled)
- MEDICARE SUPPLEMENT PLAN  
(covers expenses not covered by Medicare)
- SUPPLEMENTARY COVERAGE  
(in addition to your present plan)

### Life Plans

- FAMILY PLAN  
(protection for Dad, Mom, and all children)
- RETIREMENT INCOME PLAN  
(available to age 55)
- BALANCED INVESTMENT PLAN  
(mutual funds plus life insurance)
- EDUCATION PLAN  
(assures funds for a college education)

Name \_\_\_\_\_ Age \_\_\_\_\_  
 Rural Route \_\_\_\_\_ Rural Route  
 or Address \_\_\_\_\_ Box Number \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



**Congressional Life Insurance Company**

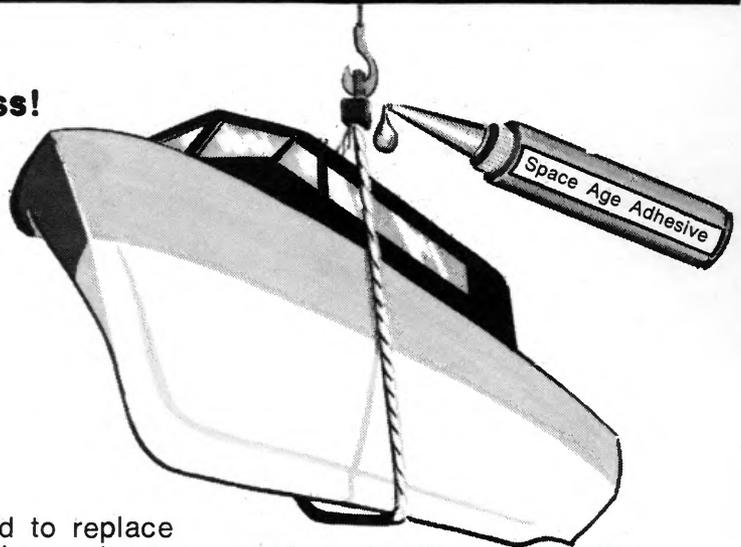
GOLDEN RULE BUILDING • LAWRENCEVILLE, ILLINOIS 62439

A PERMANENT ADHESIVE SO STRONG

SPACE AGE ADHESIVE

# ONE DROP HOLDS 2 TONS!

- Set In Seconds!
- No Mixing. No Clamping, No Mess!
- Bonds rubber, plastic, metal, ceramic, glass, porcelain!
- Replaces nails, screws, bolts!
- 132 Bonds to the Tube!
- One Square Inch Will Stand 5,000 lbs. pull!



New Space Age Adhesive was developed to replace nuts and bolts in American industry. It is used everyday to hold parts of planes, cars, tractors, derricks *together!* Now you can use it to hold almost everything and anything!

Imagine just one drop of Space Age Adhesive holds with up to 2 tons of tensile strength holding power. Not an ordinary epoxy, it can be used instantly without compounding—NO WAITING . . . NO CLAMPING or TIEING . . . NO MESSY MIXING! Dries to an invisible bond in seconds.

### Proven In Industry—Use It 1,000 Ways In Your Home

Your Space Age Adhesive applicator tube dispenses clear, colorless formula drop by drop. Use it everywhere. It's non-toxic. Resists chemicals, weather, moisture . . . indefinitely. The repair will be many times stronger than the original piece.

### Now In Handy Drop-by-Drop Applicator For Home Use!

Now for the first time Space Age Adhesive is available for home use in a Single-Drop Tube Dispenser. (132 bonds) for only \$2.50. It is ideal for use in your home or shop. You'll find it useful in 1,000 ways. It must bond *anything* stronger, tighter, neater instantly or your money refunded immediately.

### LOOK WHAT YOU CAN REPAIR INSTANTLY:

- Repair a bike.
- Permanently seal garden hose.
- Join cracked floor tiles.
- Repair broken dentures.
- Fix pots, pans, mixers, appliances.
- Make broken china and porcelain new again.
- Mend furniture.
- Watertight cracked rubber boots.
- Repair broken panes of glass.
- Splice film, audio tapes.
- Bond a broken golf club, baseball bat.

### BUY WITH CONFIDENCE

#### 30-DAY MONEY-BACK GUARANTEE

Jay Norris Corp., 25 W. Merrick Rd.  
Dept. SE0-289, Freeport, N.Y. 11520

Please rush me \_\_\_\_\_ dispenser(s)  
Space Age Adhesive @ \$2.50 each plus 50c  
shipping and handling.

SAVE! Order TWO for only \$4.50 plus 50c  
shipping and handling.

SAVE MORE! Order 6 for \$11.50 plus \$1.00  
shipping and handling.

SAVE MORE! Order 12 for \$20.00 plus  
\$1.25 shipping and handling.

Enclosed is  check or  money order for  
\$\_\_\_\_\_ (N.Y. residents add sales tax.)

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

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

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Freeport, N.Y. 11520

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# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

## "TURNING OUT LIGHTS"

It's most characteristic of all good Americans—and especially farm folks—to cooperate in every way they can on matters of national concern. During the past few months everyone from our President on down has been suggesting that we "turn out the lights" as a patriotic gesture in our country's energy crunch concern. And "turn off lights" we have done—but have we over-reacted, have we overdone this dim-out exercise?

Let's consider outdoor yard lighting, for example. The common 175-watt dusk-to-dawn mercury vapor yard light didn't "just happen" as the most popular and practical farmstead yard lighting unit. It was designed for efficiency, practicality and economy. The mercury vapor light source is about four times as efficient in producing visible light as the regular incandescent lamp. And the mercury vapor bulb will last up to about 24,000 hours as compared to less than 1,000 hours for the conventional lamp. But the inherent design of the mercury vapor lamp doesn't lend itself to frequent switching on and off. It requires up to five minutes "warm up" time.

Recently, when visiting rural areas, we found people who, with very good

intentions we are sure, have turned off or disconnected their all-night yard lights. In retrospect, we think maybe their trade-offs don't warrant such action. For example, the common 175-watt yard light uses only about 2 KWH per night—a very small electrical demand—during hours when power generating stations have ample capacity. But these well-intentioned folks have given up the convenience, safety, security, and vandalism deterrent provided by automatic dusk-to-dawn units. The theft of one calf, or the misery of one sprained ankle, or the disaster of a lantern-caused fire are expensive trade-offs for a rather insignificant energy conservation action.

We don't condemn turning off unnecessary lighting. In fact, we recommend use of smaller wattage bulbs where they will do the job. And we encourage well-designed lighting installations to assure needed light, or the right type, as the right place to satisfy any given requirement. But we think it is almost foolhardy to stumble around your darkened yard carrying a lantern or flashlight doing late evening chores. Besides, a darkened yard sure encourages vandalism, theft and predatory animals!

(From Electricity on the Farm)

## Poor Wiring Wastes Energy

You probably should rewire if any of the following conditions exist:

- \* If any makeshift wiring has been added, or the building was never properly wired.
- \* If wires are exposed to weather or livestock.
- \* If adequate grounding is not provided.
- \* If switches, circuit breakers, etc., are worn out.
- \* If wiring is bare or insulation is badly cracked.
- \* If electric motors larger than the wiring is meant for have been installed.
- \* If lights dim badly when an electric motor starts.
- \* If there are too few lights and too few outlets.
- \* If switches are not conveniently located.
- \* If too many items are on one circuit.

## Electric Heat

No Furnace!

No Dirt!

No Noise!

No Chimney!

No Pipes!

No Flame!

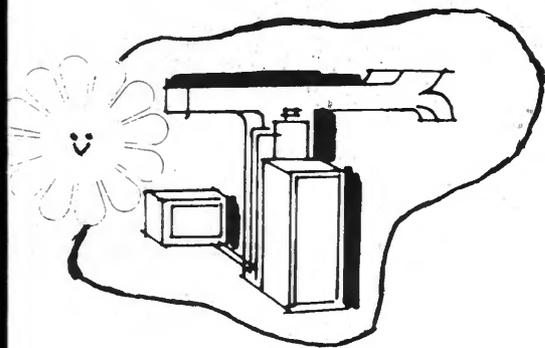
No Fuel!

No  
Storage Tanks!

No Odor!

No Drafts!

# Ways To Use Electricity Efficiently



The proper installation and operation of equipment can measurably increase the efficiency of electric heating and air conditioning systems. The tips below apply to both heating and air conditioning systems.

**Insulation:** Adequate insulation permits you to keep a comfortable indoor temperature level economically. If your home does not have the recommended amount of insulation, additional electricity will be needed to heat or cool it. Heating costs, for instance, of a fully insulated home can be as much as 55 percent lower than costs for heating a home that is without insulation.

Check with your power distributor to determine the amount of insulation your home needs for operating your heating and cooling systems efficiently.

Install a properly designed duct system for an even distribution of air flow.

Caulk around door and window frames and around eaves.

Weatherstrip outside doors.

Have thermostat checked to see that it is operating properly. A faulty thermostat can waste electricity.

Clean air filters frequently. Clogged filters make your system work harder and less efficiently.

Install a vapor barrier on the ground underneath your house.

Choose the correct size of heating and cooling system for your particular home. If it is too big, it is wasteful; if too small, it will not do the job properly. (Ask your power distributor for assistance in selecting the size system you need.)

## MORE TIPS ON HEATING

Maintain the proper degree of humidity. The drier the air, the more heat it takes to keep you comfortable. If necessary, install a humidifier to add moisture. You can then reduce your thermostat setting several degrees and still be comfortable.

Use storm windows (or insulating glass panes) and storm doors to reduce heat loss.

Close the fireplace damper to avoid loss of heat.

Use fireplace sparingly for open fires. This wastes heat from your heating system.

Draperies can help to increase your system's heating efficiency. Close them at night to keep out cold; open them in the daytime to admit heat from sunlight.

Use lighting generously for

comfort. The heat it gives off reduces the amount of electricity your heating system needs to use to maintain your temperature setting.

Set thermostat back a few degrees when you're away for more than a day.

Turn off thermostats in unused rooms, and close doors to them.

Keep heat leakage into the attic at a minimum by sealing all openings into it. But, keep outdoor air vents open in the attic to prevent condensation of moisture on insulation or other building materials.

## MORE TIPS ON AIR CONDITIONING

Keep return air grill clear. Blocking this grill interferes with air flow, and your system can't operate properly. (This tip applies to heat pumps year round.)

Partially close draperies on sunny side of house.

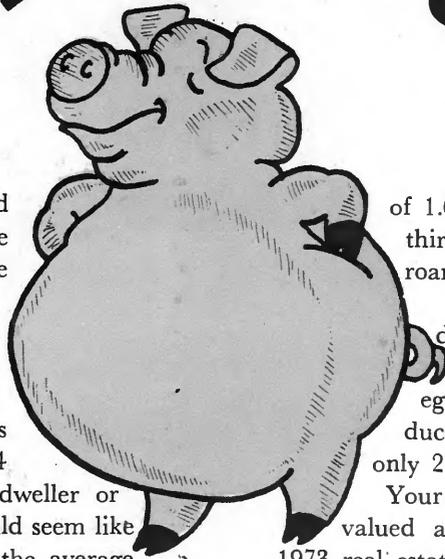
Use a ventilating fan in the attic to lower the cooling requirements of your air conditioning system.

Keep the outdoor section of the system clear of obstructions that interfere with air flow. (This applies to both central air conditioning systems and heat pumps.)

Set the thermostat up (about five degrees) if you are away for a day or more, and set the fan on automatic for humidity control. Set thermostat to normal on return for quick comfort.

Keep windows and outside doors closed.

# everybody's farm



If all the land used for farming in the United States were divided equally among U.S. families, what would be your family's share?

The answer is slightly less than 24 acres. To the city dweller or suburbanite this would seem like room to roam. But the average farmer, accustomed to 385 acres, might feel a bit cramped.

About 20 of your 24 acres would be actually in your farm. Nearly 7.5 acres of your farm would be cropland; 9.5 would be grassland or range. You also would have about three acres of woodland which you use for grazing, and less than an acre in farmstead, roads and non-farm uses.

In addition to land in your farm, you would run livestock on about four acres of land rented or leased from the Government. About half would be grassland, pasture and range, and the rest would be woodlands—mostly lands administered by the Forest Service.

Although your farm contains nearly 7.5 acres of cropland, you planted less than five acres to crops in 1973. The rest of it was in fallow used for pasture, held out of production under Government programs, or idled for one reason or another. You had over an acre in corn and in hay, and soybean and wheat fields of nine-tenths of an acre. Most other crops were on garden-sized plots.

Your herds and flocks present some puzzling biological problems. You had only one-fifth of a dairy cow, but she managed to produce 2,150 pounds or 250 gallons of milk in the year. The beef cattle herd of 2.0 head dropped nine-tenths of a calf, while your lone hog had a litter

of 1.6 pigs. Only one-third of a sheep roamed your pasture.

You had 5.6 hens during 1973. They laid 103 dozen eggs. You also produced 56 broilers, but only 2.5 turkeys.

Your family farm was valued at \$4,814 on the 1973 real estate market. As the year began, you had \$638 worth of livestock and poultry, on hand and \$262 worth of crops. Investment in machinery and motor vehicles amounted to \$726.

If you are a city man, this farm may give you more elbow room than you are accustomed to, and perhaps something of the spirit of agrarian living. But, as every farmer knows, it won't make you rich.

Your 24 acres grossed \$1,684 in

1973. Production expenses took \$1,198 of that, leaving you a net income of only \$486.

## World's Fastest, Easiest Fencing!



## tep-POSTS 66" PLASTIC LINE POSTS

New 72" Line Posts, Heavier & Larger

- Strong, Durable, Attractive
- Non-Conductive, Non-Corrosive
- Drive-In Easily with Tepco Driver
- No Digging, Setting, Filling

Build your fences the easy way with TEPCO Line Posts—just like hundreds of ranchers and farmers throughout the nation are doing. Tep-Posts are strong, light weight and durable. Easy to carry in quantity. Weighted steel driver is necessary to drive in the Tepco posts. Wire clip fasteners and postdriver furnished at nominal costs.

Get literature on line fence posts and

48" electric posts

See your dealer or contact us

Write or Call 405 424-2222

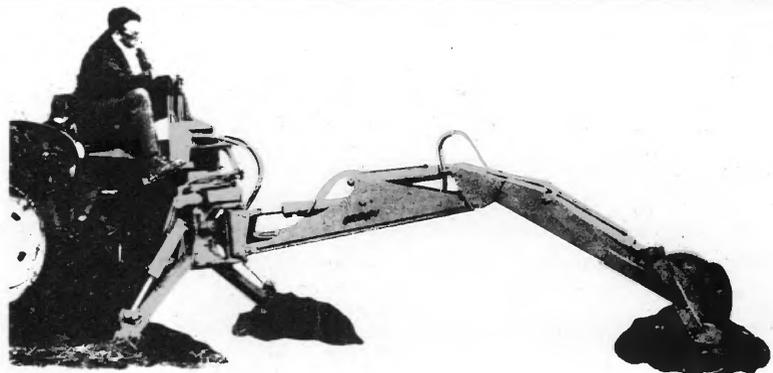
(TEPCO, INC.)

THOMAS EXTRUDED PLASTICS CO., INC.  
P.O. Box 145, Oklahoma City, Okla. 73101

# GRIZZLY

## QUICK HITCH BACKHOE

A TRULY RUGGED AND DEPENDABLE  
FARM AND INDUSTRIAL EXCAVATOR



A NEW INNOVATION IN DIGGING WHICH UTILIZES YOUR PRESENT TRACTOR

The powerful GRIZZLY BACKHOE simply and quickly field mounts to three point hitch farm and industrial tractors and other prime movers, such as skid loaders. A built in compensating valve allows successful operation from either an open or closed center hydraulic system. An optional hydraulic pump kit is available for prime movers without center hydraulics.

Whatever your field of endeavor, be it contracting, farming, ranching, trenching, landscaping, irrigation work, cemetery openings, etc., the GRIZZLY BACKHOE allows FULL use of your tractor for hook up of a rear mounted or mid mounted tool after your digging and ditching chores are finished. Get the most from your investment with this detachable excavator.

For more information see your Grizzly (Impl.) dealer or contact the  
Ill. rep., Bob Dickey — P. O. Box 826 — Chatham, Ill. 62629, Ph. 217-483-3324.

See the Grizzly at the  
Ill. State Fair

mission, the Federal Power Commission, the U.S. Justice Department or other governmental or regulatory agencies.

Cooperative leaders are resigned to paying a higher price for wholesale power but insist that such increases be reasonable and consistent with the actual cost of providing service to the cooperatives. Some increase, however is, as one official put it, "a sign of things yet to come."

Air pollution control facilities at power plants is a relatively new, but an increasingly expensive, factor in the cost of wholesale power cost which you, the consumer, must ultimately pay.

If a power company burns coal with more than one percent of sulfur content, current federal regulations require that the company remove the sulfur dioxide waste-product before it is emitted into the air.

The Environmental Protection Agency (EPA) urges utilities to buy gigantic scrubber control systems to remove the sulfur dioxide.

The EPA estimates by 1980 one of every three plants burning coal will have to use scrubbers. Cost of these scrubbers is an estimated \$5.4

billion.

Furthermore, the EPA encourages state utility commissions, the agencies which decide if and when a private power company can increase its rates, to allow such costs to be passed on to consumers.

Increased wholesale power cost is only one of the reasons your electric bill is going up. The cost of electricity is rising for much the same reasons the cost of everything else we buy is rising—inflation.

Electric loads continue to grow and cooperatives must continually increase their plant by extending service to new customers and by replacing old worn out equipment with new.

In fact, many of the poles the cooperatives installed are now as much as 35 years old and nearing the end of their useful lives. The poles to replace the decaying ones will cost five to 10 times as much as the originals did 35 years ago. Maintaining service while the pole is being replaced is even more difficult than new construction and adds to the cost.

Poles are just one example.

Dean Searls, manager of Adams Electrical Co-Operative, Camp Point, recently presented a staggering

list of rising material cost figures to members at the cooperative's annual meeting.

Consider the following prices Adams Electrical, as well as other cooperatives, are now paying compared to prices paid at the end of 1972, just a year and a half ago:

—Crossarms to support the distribution lines have nearly tripled in price—from \$4.88 to \$14.88 each.

—Copper wire, used in transformers and in line construction, has jumped 50 to 75 percent.

—Conductor used in the lines you see along the road has in some cases doubled and tripled in price since the end of 1972 and is often hard to find at any price.

"Construction costs have almost doubled during the past two years," Searls said. "The most serious question is—when will prices level off?"

If high prices for materials were not enough to contend with, cooperatives are also facing shortages of steel, aluminum, copper, timber and other construction material. If a

*(continued on page 28)*



Oaks Mfg. Inc., Oaks, N.D., introduces Model L600—New—Compact—4 Wheel Drive Loader. Hydrostatic Drive—Turns in its tracks—Operation is smooth and easy...and economical to own. Ideal for any job on the farm, construction, factory and warehouse. Various buckets and forks available.

**FOR MORE INFORMATION OR A FREE DEMONSTRATION  
CONTACT THE ILL. REP., BOB DICKEY--P.O. BOX 826  
CHATHAM, ILL. 62629, PH. 217-483-3324**

*See Us At The Illinois State Fair*

## **World's Fastest, Easiest Fencing!**



## **tep-POSTS 66" PLASTIC LINE POSTS**

- New 72" Line Posts, Heavier & Larger**
- Strong, Durable, Attractive
  - Non-Conductive, Non-Corrosive
  - Drive-In Easily with Tepco Driver
  - No Digging, Setting, Filling

Build your fences the easy way with TEPCO Line Posts—just like hundreds of ranchers and farmers throughout the nation are doing. Tep-Posts are strong, light weight and durable. Easy to carry in quantity. Weighted steel driver is necessary to drive in the Tepco posts. Wire clip fasteners and postdriver furnished at nominal costs.

Get literature on line fence posts and 48" electric posts

See your dealer or contact us  
Write or Call 405 424-2222  
**(TEPCO, INC.)**

THOMAS EXTRUDED PLASTICS CO., INC.  
P.O. Box 145, Oklahoma City, Okla. 73101



# Illini Electric News

Illini Electric Cooperative

Phone: 352-5241

Champaign, Ill.

## Proper Care Adds Years to Electric Motor Life

Proper care will add many years to the life of an electric motor, as well as assuring trouble-free service. Here are some guidelines.

The most important part of caring for an electric motor is also the most simple: Keep it clean and well ventilated. A dirty motor runs hot, and heat is a motor's worst enemy. A dirty motor can even be a fire hazard.

An occasional wiping off is all a fully enclosed motor needs to keep it clean. An open motor requires a little more effort, as the inside must also be cleaned. This can be done with a brush, a powerful vacuum cleaner, or compressed air, but don't use more than 60 PSI air pressure. Too much force can embed particles in the windings or damage insulation.

A really dirty motor — one that has run for years in dirty conditions with no attention — must be taken apart, carefully cleaned, and reassembled. Use a cleaning solvent (not gasoline) for cleaning.

Electric motors need very little lubrication (in fact, some need none at all), but that little is very important.

Lubrication requirements vary considerably; the manufacturer's recommendation is the best guide. See if you can find instructions in the owner's manual or information printed on the motor. Take care to not over-lubricate, as too much is often worse than none at all.

Common 10 or 20 weight motor oil is satisfactory for most electric motors with sleeve bearings. A few drops every six months is usually sufficient, but motors which are used constantly should be lubricated more often or according to instructions.

Motors with ball bearings come three ways. Some are lubricated for life and require no service.

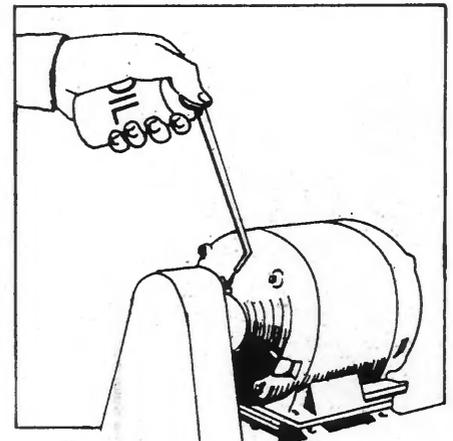
Others have grease fittings and should be lubricated about once a year. Care must be taken to not damage bearing seals. With motor warm but not running, remove the relief plug in the bottom of the housing. Pump new grease in until clean grease comes out the opening. Run the motor a few minutes before replacing the relief plug.

In still other motors, bearings must

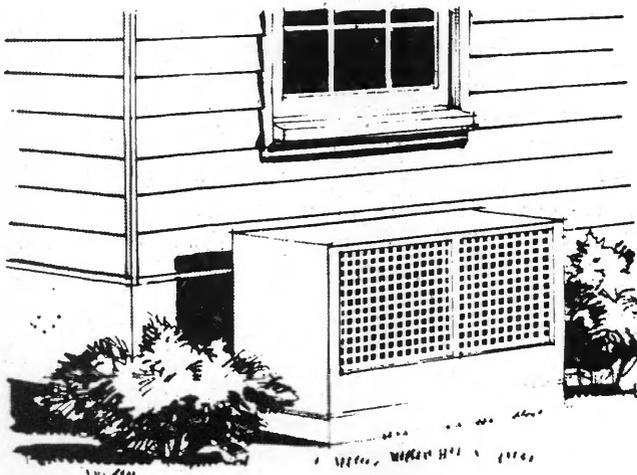
be packed in the same manner as wheel bearings. Remove end housings, clean and repack bearings, and put extra grease in the cavities.

Adequate wiring is vital to a motor. If wires are too small, or if they are extended for too great a length, voltage will drop. This causes amperage to go up, and the motor overheats. This is the cause of many motor failures.

Electric motors should be protected with dual element fuses. With dual elements, you can use lower fuse rating without blowing a fuse when the motor starts. This gives much better protection for the motor in operation.



## Electric Heat Pumps --The "Most" In Year Round Comfort Conditioning



If you're thinking about the comforts of electric heating and air conditioning, consider the advantages of the electric heat pump.

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- \* AUTOMATICALLY, it reverses itself between seasons for heating and cooling, for comfortable living.
- \* INSTALLATION is a simple job since only one unit is involved.
- \* SAFE. Unlike flame operations, there are no fumes, pilot lights or storage tanks.
- \* ECONOMY. It uses less electricity than separate electric furnace and air conditioning systems.

Electricity is too important to waste. Contact your Rural Electric system for money saving, electric efficiency hints.

The electric way is clean.

# FARMERS--A RURAL STORY

A number of rural success stories crop up now and then from various parts of the nation. The Department of Agriculture's files are said to bulge with statistics suggesting how the combined efforts of private industry and various governmental units have brought prosperity to certain areas.

These success stories are usually described in terms of more jobs and the "new wealth" they bring to an area. The success stories may center around a new factory in the plains or rolling hills of rural America.

Fine! No argument here! Rural America is changing along with the rest of the world. More non-farm people are moving to rural America and they are a necessary and welcome addition. A rural-urban balance is needed for a healthy and prosperous America.

But what about the farmers surrounding the booming small towns of America? Through the years the farmer has helped build the small towns. He provided a base of services that could be expanded to meet the demands of industry settling in his area.

Low cost, dependable electric power is one such service. Because the farmer was concerned with keeping his operations competitive and because he wanted to live as a first-class citizen, we have electric cooperatives.

Basically, it was the farmer who caused rural America to become electrified. Because of him, rural electrics are well enough established to provide service for just about any



other kind of consumer who now wants to move to rural America.

And the farmer today is still one of the best consumers of electric power. If the farmer raises hogs, he has to do it better than anybody else. The farmer's grain operation has to be refined with each season.

**EFFICIENCY.** This is a word that the farmer may praise and cuss in the same breath. He may take pride in knowing his labor feeds 40 people. However, efficiency is something that many farmers may not be able to bring about. They have no absolute control over it. Farm efficiency may be termed the natural result of industrialization.

No farmer really wanted to buy this or that machine just for the sake of mechanization. He was forced to. He needed to get the work done as the supply of farm labor dwindled. That was more than 30 years ago.

Right now he has to be even more efficient because of the encroachment of big business into farming.

Much of the machinery, used now by the farmer to increase his efficiency is automated. It has to be so he can compete or at least have an even chance.

So today's farmer needs power ... lots of it. Power is needed to operate a stock watering pump a half mile from his home. Power is needed to dry crops. Power is needed to auger feed to stock. Power is needed to milk cows

and keep the milk from spoiling. Power is needed to heat or air condition hog houses. Power is needed to operate ventilation equipment. These are some of the uses today. Future needs will require even more power.

Yes, rural America is changing, along with the rest of the nation. It has had to change to survive. Rural America today is no longer the exclusive province of the farmer and the small town businesses established to serve him. It is made up of farmers and non-farmers ... people who work in towns and cities, people who operate resorts, and people who live here just because they like to live in the country. All this is healthy and good for the nation.

But we should never forget that it was the farmer who settled rural America and helped establish its moral values. It is the farmer who produces the food and fiber needed by the nation and other parts of the world. It was the farmer who made it possible for small towns to be born, and for railroads and highways to be constructed. It was the farmer who caused rural America to be electrified. It was the farmer who formed the basis for all the development that has taken place in rural America in recent years.

The farmer is important to rural America. He is important to the entire nation. He is important to the world.

## Illini Electric

**Mailing Address**—P.O. Box 637,  
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5241.

**Headquarters Location**—1605 South  
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**W**ith its buggy and train rides, one might call it an amusement park. But Old Bagdad Town and the Amish community proclaim it a historic site and the floral and rock displays make it a flowery paradise.

Perhaps it's better just to call Rockome Gardens one of a kind.

The curious blend of amusement park, historical site and floral wonderland is what makes Rockome unique. It also makes it one of Illinois' most attractive and visited tourist spots.

Located five miles west of Arcola off I-57, Rockome is the product of two different designers—Arthur Martin and the present owner, Elvan Yoder—and one great ethnic influence, the Amish community which surrounds it. Electrical power for Rockome Gardens is supplied by Coles-Moultrie Electric Cooperative, Mattoon.

Martin, a wealthy industrialist from Arthur, started the floral design of the Gardens in 1939, during the latter days of the Depression.

When his business could no longer sustain his employees, Martin used them to work on his estate, rather than turn them out on the welfare roles. He bought tons of native Illinois rocks, which his workers broke by hand and inlaid into cement to form the rockwork and fences for which Rockome is noted for today.

In 1951, Martin donated the 208-acre farm to the Mennonite Board of Missions and Charities for use as a retirement haven for missionaries. Seven years later, the Board sold the farm and gardens to Yoder, himself a Mennonite who had been reared in the Amish faith.

"I bought the land originally to farm it," Yoder said. "My wife and I were raising three sons and a daughter and everyone helped plant and weed the flowers and keep the rock formation patched."

And when thousands of people drove by to view the gardens from the road, Yoder realized farming



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# Don't Die in the Grain Bin

Consider these case histories:

An Indiana farmer found flow blocked when he started to unload a bin. He took a pipe, climbed the bin and poked through the crust. Next thing he knew, he was waist deep in flowing grain. He sank so fast he couldn't free himself. Luckily, the pipe hit the hopper and jammed the auger. He was rescued a few hours later.

A father and his son walked across grain in a bin. Grandpa followed but broke through the crust and suffocated.

A farmer raced to his bin hatch to retrieve a scoop he'd forgotten. Just as he reached it, the shovel slid into the withdrawal cone. He lunged to grab it and fell headfirst into

year in the grain belt.

Few people realize how flowing grain acts, according to Bruce McKenzie, Agriculture Engineer, Purdue University. He says: "It flows almost like a fluid when it's drawn from the bottom of a bin. You start with your legs about a foot deep in grain and you're helpless when it gets above your knees."

Accidents are occurring now because we're handling more grain, faster, with bigger equipment and with fewer people.

Grain suffocation doesn't have to happen if you follow these rules:

(1) Install ladders in all bins.



## Illini Electric News

ILLINI ELECTRIC COOPERATIVE 217-352-5241 CHAMPAIGN, ILLINOIS

the flowing grain. He got out by using the shovel to paddle himself up the cone.

Another man left his two children in his truck and went to turn on the auger. A few minutes later he returned to the loaded truck but couldn't find his children. He thought they might be in the grain so he dumped the load in the yard. He found them but one had already smothered.

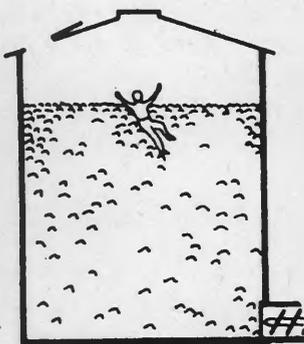
These are just a few examples; pages could be filled with others. There are no accurate statistics on grain handling deaths, and further, near-misses often go unreported. However, research indicates fatal and non-fatal accidents like these probably occur at least 100 times each

(2) If trapped in a grain bin or silo, stay near the outer wall and keep moving. You can walk the bin down until it is empty and flow stops.

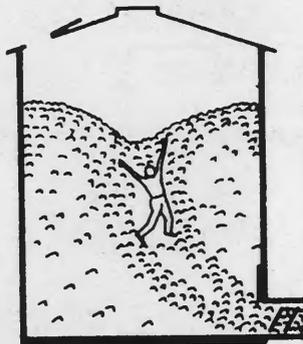
(3) If you enter a bin with potential danger, use a rope and safety harness with two men outside to hold you and get help if needed.

(4) A rope, chain or pipe ladder hanging from a roof may save you, but these safety devices have drawbacks. They are not proven and you may not have any way to get out of the bin if you use them.

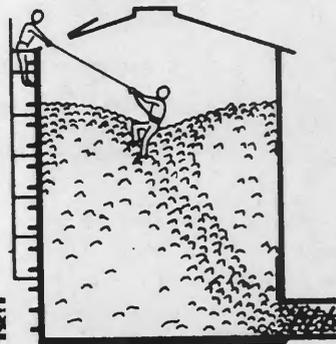
Remember that flowing grain is dangerous. Preach that to your family, helpers and neighbors.



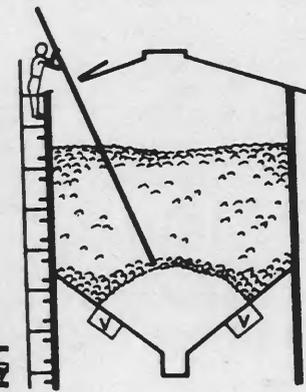
**Grains are dangerous as quicksand even when not unloading.**



**Flowing grain sucks you under suddenly when unloading starts.**



**If you must go into the bin, use a lifeline and have someone there.**



**Break bridges with a pole. Use vibrators to keep grain flowing.**

MANAGER'S COLUMN:

## IN THE NEWS BOX

by Walter R. Smith

### A Bit of Caution to Our Members

We have recently had a few reports of people knocking on doors and indicating they represent Illini Electric Cooperative or REA and have been sent to conduct a wiring inspection or conduct an appliance survey or some other excuse to gain entry to the home. Beware. Employees of Illini Electric Cooperative do not conduct such inspections or surveys without request from the member.

Should you be confronted with an unusual request such as mentioned above, ask for identification. Each of the cooperative's employees has an identification card with his picture on it and he will be pleased to show it to you upon request; usually he will volunteer his identification before expressing his need to make any wiring checks in your home.

Another means of identifying bona fide employees of Illini Electric Cooperative is the vehicle they are driving. All cooperative vehicles are painted a bright yellow and display a large "Illini Electric Cooperative" sign on the doors.

We do not know why anyone would represent himself as an Illini Electric Cooperative employee when he isn't, but we thought it important to advise you some imposters are doing that for whatever reasons they may have. We recommend you call the office (352-5241) if you doubt the purpose of a call from an Illini Electric Cooperative employee.

We also recommend you obtain the license number from the vehicle of a person who claims to be an Illini Electric Cooperative employee and cannot positively identify himself as such. If such person causes you to be suspicious of his motives, a call to the County Sheriff with a description of the person and his vehicle and its license number would likely be justified.

## ELECTRIC ENERGY

Flicking an electric switch is as normal as breathing—yet we don't realize the tremendous energy that electricity puts at our service. Here is an illustration: Imagine pedaling a bicycle raised off the ground and connected to an electric generator. If you pedaled as hard as you could, you would produce only enough electricity to light a 60 watt bulb.

In a full day's hard work, you would generate one-half a kilowatt-hour, enough to light a 100 watt bulb for five hours. Your respiratory processes alone would contribute several times the pollution to the air that's created at the power station, in generating the same electricity.

The cost of one-half a kilowatt-hour: one cent. Electricity is still the world's greatest bargain.

Fact: America's electric utilities continue to lead the world in supplying economical, abundant electric power—which does more to improve the quality of life than any other force at work today.

### Important

#### TO OUR MEMBERS WHO HAVE FLAME-TYPE HEATING SYSTEMS

IT'S TIME TO

- ✓ REPLACE FILTERS
- ✓ ADJUST IT
- ✓ CLEAN IT
- ✓ CHECK FOR LEAKS
- ✓ REPAIR IT
- ✓ ORDER FUEL
- ✓ REPLACE IT?

#### TO OUR MEMBERS WHO HAVE ELECTRIC COMFORT HEATING

*Nice isn't it!*

## Illini Electric

Mailing Address—P. O. Box 637, Champaign, Illinois. Phone 352-5241

Headquarters Location—1605 South Neil Street, South of Champaign on U. S. Route 45.

Office Hours—8:00 A. M. to 5:00 P. M., Monday through Friday — closed all day Saturday, Sunday and Holidays.

Holidays Observed—New Years, Lincoln's Birthday, Good Friday, Memorial Day, Fourth of July, Labor Day, Veterans' Day, Thanksgiving and Christmas.

Reporting Service Interruptions, Broken Poles and Fallen Wires—Phone 352-5241 — day or night — 7 days a week. No reverse calls accepted.

### Quick Tips

Federal and state inspection of meat and poultry packing is only part of the job of making sure that products stay clean and wholesome. When you buy the product, the rest is up to you.

1. Avoid damaged cans and packages.

2. Buy meat and poultry products last and take them right home, so frozen foods won't thaw out or fresh foods spoil.

3. Wash your hands often while preparing food. Clean the kitchen and kitchen utensils often with soap and hot water. This is especially important right after handling raw meat and poultry, and before handling cooked foods.

4. Use refrigerated steaks, roasts, chops, and luncheon meats within 3 to 5 days. Use ground and stew meats, variety meats, sausage, cooked meats, and poultry within 1 to 2 days. Otherwise, freeze.

5. Thaw frozen foods in the refrigerator instead of at room temperature.

6. Cook foods right after they're thawed out.

7. Follow instructions on the label for cooking and storing.

8. Be sure meat or poultry is cooked all the way through before serving.

9. Refrigerate leftovers right after the meal.

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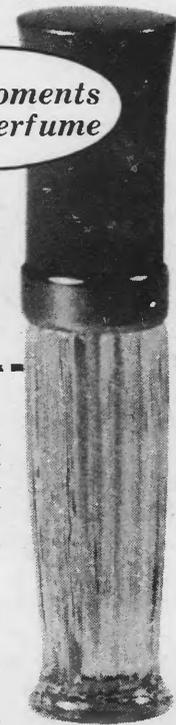
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*Illinois Style*



# Horseshoes

# Packaging : Key to Good Freezer Results

Foods that you put into a freezer need adequate protection with the proper wrapping material to keep them from drying out and to preserve food value, flavor, color and texture.

Laminated paper, available in rolls, is a good moisture-vapor resistant packaging material. It is especially good for large roasts and any other smooth piece of meat. It resists scuffing and tearing, and offers good protection if it is put on without leaving air pockets between the meat and packaging materials. Use freezer tape for sealing packages wrapped in laminated paper.

Polyethylene-coated paper, also available in rolls, is a moisture-vapor resistant material. Its value depends largely upon the thickness of the coating. It protects meat from moisture loss and, if the coating is

thick, it is a better oxygen barrier. Use freezer tape for sealing packages wrapped in this material.

Heavy duty aluminum foil is an excellent wrapping material. It will hold moisture in the meat and will keep air out if put on properly and handled gently. When using foil, mold it around the meat.

A lighter weight aluminum foil is often sold for freezing meat. It is too thin for large packages and takes careful handling to prevent tears.

A very light weight foil is not satisfactory for packaging meat to freeze. It tears too easily.

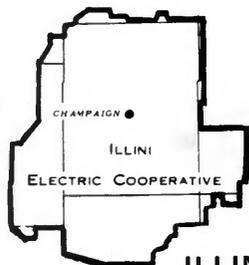
When freezing steaks, chops, meat patties and other cuts, they should be separated by paper for ease in separating without thawing and to aid in uniform thawing. A special

silicone-treated paper that will release meat still frozen is available. When using this or similar materials, meat should not extend beyond the paper. It will freeze together at the edges.

A double piece of waxed paper or one piece of aluminum foil will serve the same purpose as the silicone-treated paper. When using any of the three types, and especially the silicone-treated paper, the release will be better if the meat is frozen immediately after packaging.

Vegetable parchment, that will absorb water and yet retain its strength, is a material that is often used in the freezing of fish.

Fish is wrapped loosely in the parchment, dipped in cold water and then packaged in a moisture-vapor resistant material.



## Illini Electric News

ILLINI ELECTRIC COOPERATIVE 217-352-5241 CHAMPAIGN, ILLINOIS

## Think "Efficiency" As You Build or Remodel

If you're anticipating the many advantages of total electric living, be sure to plan carefully when you next buy a new home or remodel your present home:

**ADEQUATE WIRING.** For air conditioning, heating, water heater, range, washer, dryer, refrigerator, freezer, dishwasher and lighting.

**INSULATION.** Save money summer and winter with the right insulation in the right places.

**WEATHER STRIPPING, STORM DOORS & WINDOWS** to seal off those places where heat escapes in winter and enters in summer.

**CHOOSE THE RIGHT SIZE APPLIANCES.** This applies to water heater, central air and heating, too.

Electricity is too good to waste. Contact your Illini Electric Cooperative for money saving, electric efficiency hints.

The electric way is clean.



"If you can keep your head when all those around you are losing theirs. . . maybe you don't understand the situation." That paraphrase of a line from a famous Rudyard Kipling poem might well have been inspired by the current energy crisis.

Anyone who examines the present energy situation objectively must be alarmed. Our nation's demand for energy is overtaking the supply. We are running out of oil and gas. There are serious environmental problems associated with both the mining and burning of coal. As of this moment, the nation's electric utilities do not have suitable methods of producing the vast quantities of electric energy that will be required in the future.

In addition to the shortages and threatened shortages of fuels and energy, there is the certainty that the price of all forms of energy will rise in the years ahead. The era of abundant low-cost energy is gone. The energy crisis hangs over our nation—and world—like a huge, dark cloud.

And yet, there are some of us who are such incurable optimists that we see—or think we see—the faint beginnings of a silver lining around that cloud. While the energy crisis is very real and very serious, there are certain facets of our search for solutions which offer promise of a fuller, richer, more satisfying life for all people. According to our old and admittedly hazy crystal ball, the energy crisis may well turn out to be the doorway to a new and more beautiful era in the life of humanity than we have ever dared dream about before. Perhaps, unless we are misreading our crystal ball, we can keep our heads when others are losing theirs because we understand the situation.

#### Changing Life Styles

Already, the energy crisis and the environmental crisis, are forcing us to take a long, serious look for some of our life styles and values. For years we have devoted ourselves to the accumulation of energy-using gadgets and labor saving devices as if the ultimate goal of life was total inactivity. We have become a nation of spectators, over-weight, lazy, with poor circulation and medicine chests crammed with bottles, capsules, pills,

# EVERY CLOUD HAS A SILVER LINING (Even The Energy Crisis)

tablets and powders to wake us up, put us to sleep, calm us down, give us strength and fill the gaps in our inadequate diet.

Highways are clogged with monstrous, speeding automobiles gulping gasoline to operate high-powered engines with thirsty carburetors, power steering, power brakes, power windows, power seat controls, automatic transmissions, air conditioning, radios and any other gadget that engineers and marketing specialists can dream up to increase the initial price and operating costs.

The industrial revolution lulled us into the irresponsible presumption that Mother Nature was an indulgent mommy from whom we could take what we wanted in any amount we wanted and any way we wanted to take it. We thought that the wounds we were leaving on the world could always be cured by a simple kiss from "Mommy Nature."

But we are learning that the world is not an endless source of "goodies" to be exploited endlessly for our immediate pleasure. The world is a delicately balanced system that requires our cooperation and farsighted care for continued efficiency and sufficiency.

Many people are already cutting back the tremendous waste that has characterized American life in recent years. We are getting more exercise by such things as walking, riding bicycles and cutting wood for use in fireplaces. If current recommendations are followed, more of us will avoid the unhealthy overheating of our homes in

winter and overcooling in summer. We are changing from a nation of spectators to a nation of active participators. Instead of sitting and complaining about imaginary ills and inconveniences, we are beginning to do things. . . and we feel better for having done them.

#### A Universal Challenge

Perhaps most important of all, the energy crisis represents a national challenge that will require the concerted attention and effort of all of us. It's not the kind of problem that some distant and impersonal group of individuals commonly referred to as "they" can solve all by themselves. The energy crisis involves the lives and life styles of all of us. To meet it, we must work together.

Maybe. . . just maybe. . . the energy crisis is presenting us with a common problem of such magnitude that we can overcome the fragmentation that has plagued our society far too long already. Maybe as we rise to meet this challenge, we can put aside the many differences and divisions created by the hodge-podge of separate groups and movements among us and end the bitter hostility that has been eating away at the foundations of our civilization.

Maybe the energy crisis will bring us together again as a people with a common dedication to reaching a common goal and realizing a common dream. If so, then surely the dark cloud that hangs over our nation—and world—has a very beautiful silver lining.

# aiec's new

**A.** Leo Goleman of Divernon is a person who enjoys people, seeks to understand problems and, above all, likes to be involved. These are probably only a few of the attributes which led to his selection as president of the Association of Illinois Electric Cooperatives (AIEC).

How he became involved with the work of electric cooperatives, and the organization he now heads, is a different story. In the beginning, at least, it was due to embarrassment.

Goleman was selected as president by directors of the AIEC during the recent annual meeting of the organization. The AIEC is a state-wide organization which provides services to the 27 distribution cooperatives and two generation and transmission cooperatives in Illinois. Goleman is also vice president of Rural Electric Convenience Cooperative Co., Auburn.

"I guess I was like a lot of people who take their electrical service for granted," Goleman said. "I had never attended an annual meeting of our local cooperative or even went inside the office except maybe to pay a bill. When the board asked me to serve, I felt a certain amount of real embarrassment."

And because he is the type of person who doesn't like to settle for just a little knowledge, after he became a director, Goleman set about to learn all he could about the electric business. "We are able to respond as we understand," Goleman said.

That understanding, over a five-year period, led to his selection as only the 12th president of the AIEC. He succeeded Robert Zook of Athens.

At one time in his life, however, Goleman would have been an unlikely candidate to even belong to a rural-oriented organization, much less be its president. He was much more at home in the classroom or with his paintbrush and easel.



*ABOVE: Goleman farms 760 acres near Divernon and maintains an interest in the problems of the rural area. RIGHT: Goleman is married and has four children. Front, from left are: Anne, 19, and Goleman. Back row, from left are: John, 21; Andy, 12, Mrs. Goleman, and Melinda, 16.*

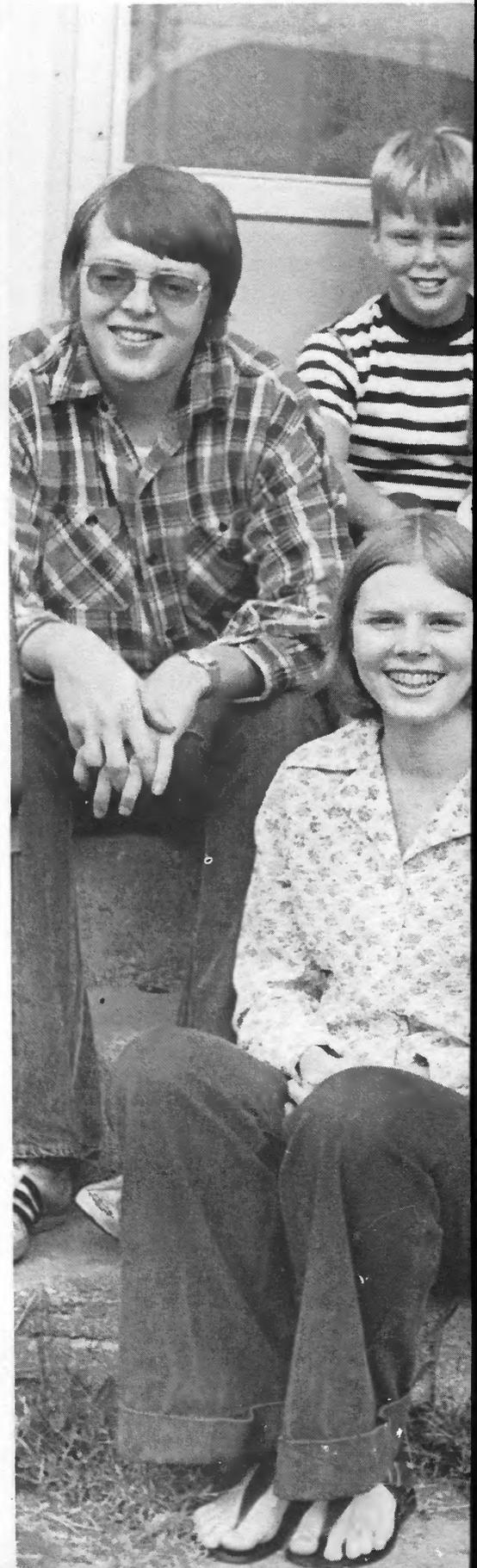
The son of a minister, Goleman was born in the small town of Oakland in Coles County. His first ambition was to become an athletic coach. When illness prevented the realization of that dream, he turned to his second love—art.

"I didn't take my first art course until I was in college, so it took me quite a while to develop my style," Goleman said. "I used to sit at the kitchen table and paint for hours working on my technique.

"I wanted to paint things that people could laugh at and understand . . . things people might enjoy," Goleman added. "I guess my paintings reflect my philosophy of life. They are my way of expressing what I feel."

After receiving his Bachelor's Degree in Education and his Master's Degree in Fine Arts, Goleman taught art in the Springfield public school system for four years. He left teaching to become a farmer.

Goleman did not start farming until he was 27 years old. He and his wife, Dorothy, moved into a house near Divernon, owned by her father, and rented 120 acres to farm. Goleman, 21 years later, now farms



# Festival

Thousands recently stepped back into yesteryear for a few hours and enjoyed the sights and sounds of their forefathers.

The scene was the Land of Lincoln Crafts Festival, held annually each fall at the New Salem Carriage Museum, one-half mile south of New Salem State Park. Because of the central location, the festival has become popular with visitors from all corners of Illinois and neighboring states.

More than 160 local people, many of them electric cooperative members, demonstrated 60 crafts which our ancestors took for granted in

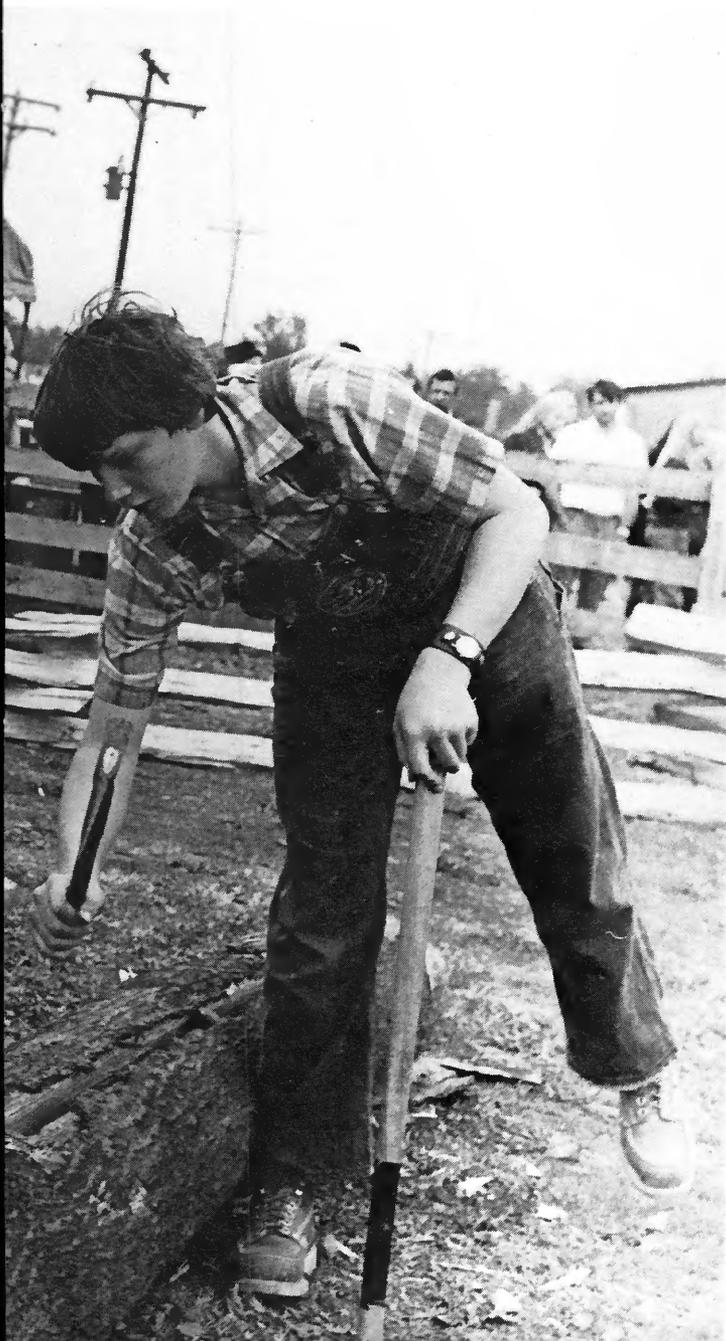
their everyday lives, but today have been forgotten by most people.

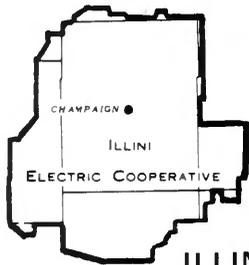
The annual event was sponsored by Petersburg Town and County Women's Club. Electric power for the site was provided by Menard Electric Cooperative, Petersburg.

Much of the festival was a gourmet's delight with fresh smoked ham, sassafras tea, bittersweet, paw-paws, pumpkin bread, cottage cheese, kraut, hominy, sorghum and sweet cider.

There was something for all ages. And although it only lasted a week-end, it brought back many fond memories of days gone by.

*BELOW: Chester Petitt of Springfield (left) and Homer Lounsberry of Oakford, a member of Menard Electric Cooperative, set their team to work. BOTTOM: Dell Price of Petersburg, also a cooperative member, slowly stirs a fresh batch of sorghum. CENTER: The fine art of rail splitting was handled by several hearty young men. FAR LEFT, BELOW: Mary Hurie of Petersburg demonstrated chair caning. FAR LEFT, ABOVE: According to Mrs. Ernest Ayers of Pawnee, a member of Rural Electric Convenience Cooperative Co., Auburn, goose plucking really doesn't hurt the pluckee.*





# Illini Electric News

ILLINI ELECTRIC COOPERATIVE 217-352-5241 CHAMPAIGN, ILLINOIS

MANAGER'S COLUMN:

## IN THE NEWS BOX

by Walter R. Smith

### RATE INCREASE EXPECTED AFTER COST STUDY

Every American has enjoyed the use of low cost energy for several decades—whether it be energy to propel their automobiles, tractors and other mobile equipment, to heat and cool homes or pump their water and dispose of sewage.



Walter R. Smith  
Manager

The price of electric energy has been especially attractive and continues to be in relation to other energy sources. However, the cost of electric energy is inevitably going to increase, although not in direct proportion to the increase in the price of basic energy sources such as coal, oil and gas.

The production of electric energy requires the conversion of basic energy sources, such as coal, oil and gas and, more recently, nuclear fuels such as uranium and plutonium. The costs of those basic energy sources has increased rapidly over the past several years, and in astronomical proportions during the past two years.

This article in your favorite

publication is for the purpose of advising you there will be, by necessity, an increase in your assessment for your electric service early in the year 1975. A cost-of-service study is now in progress to determine the rates that must be assessed in order to provide continuous good quality electric service and keep your cooperative economically sound and a viable segment of the electric utility industry.

Wholesale power costs, which comprise more than 50 percent of the total cost of electric service, have increased approximately 23 percent since January 1, 1974. Labor costs have increased approximately eight percent per year during the past 10 years and transportation costs a total of 75 percent during the same period. The cost of the materials necessary to

construct and maintain the necessary facilities to serve you have increased proportionately.

The list could go on and on and each item would indicate an upward spiral of increased costs, which are beyond the control of your board of directors and its staff.

Although the cost-of-service study now in progress is not sufficiently complete to determine what your electric rate increase will be, it seems only fair to advise you that your electric service will cost you more in the future than it has in the past.

We can assure you that electric rates will be kept as low and as equitable as possible to provide for dependable, good-quality electric service.

You will be advised by personal letter before any increased rate-for-service is effective.

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## *Newspapers Never Carried This Story*

Not a single newspaper carried this story. It was packed with drama and human interest, but nobody heard about it. Here are the details:

The young mother of four had waited months to buy the new automatic washer. She needed it desperately. Her old machine, second-hand when she bought it, had stopped several times in the middle of a washing. But she had "made do" until her husband sold the hogs.

When the new machine was installed, she could hardly wait to wash a load of laundry. Her two-year-old and her four-year-old were "fairly bursting" with excitement over mommy's new washer.

Leaning against the frame of the machine, they watched the swirling, sudsy washing process. Then it happened. Through some defect, the new machine shorted — a fuse was blown, and a serviceman was called to correct the defect. That's all that happened.

The newspaper editor, the doctor, the coroner and the neighbors didn't ever hear about the incident — because the new washing machine had been properly grounded.

Safe appliance installations and safe electrical wiring don't make newspaper headlines. They are evidenced only by the accidents that never happen — by the headlines never written.

# Heating During the Energy Crisis!

Have you any doubts about your present heating system operating efficiently the rest of this season? You can convert to electric heat now.

Electric heat can be installed in your home in the coldest weather, with little interruption to your household. You can continue to use your present heating system until your electric heat is ready for operation. Treat your family to the safest, cleanest and most even warmth ever known.

In many cases, preventive maintenance performed in the early fall will help you avoid problems with your heating system this winter.

Did you have a qualified serviceman check your system to see that it is operating properly — it could save you costly repair bills later.

To save money on heating costs,

be sure to change or clean filters regularly, and have the thermostat checked for accuracy.

For added comfort, weatherstrip around doors and caulk around windows. Windows and doors should be tightly sealed against the outside air.

Keep the fireplace damper closed, except when using the fireplace, or the heat provided by your heating system will escape up the chimney. Use the fireplace sparingly (it is a most inefficient method of space heating).

If you have a central furnace, make certain that return air grills are not obstructed. Outside sections of heat pumps or through-the-wall units should also be clear of obstructions.

When operating your heating system, set the thermostat at the lowest level of comfort (68-72

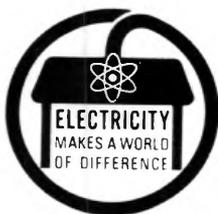
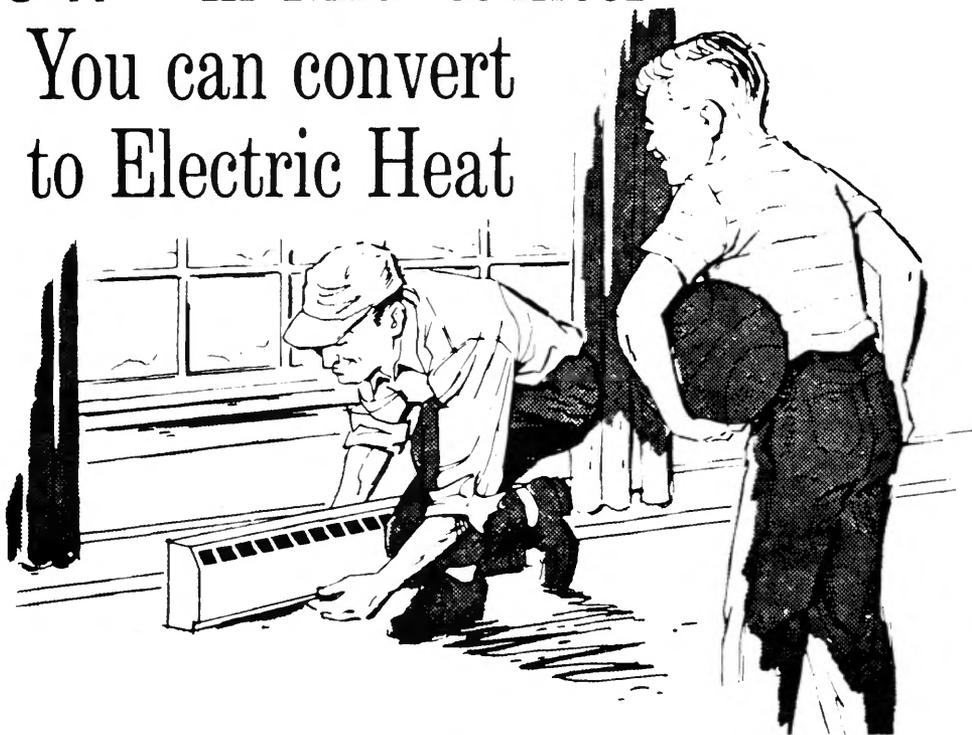
degrees), and leave it there. If away from home for more than a day, set the thermostat back several degrees; set at normal on returning.

Open the drapes on the sunny side of the house during the day and close them at night. Install storm windows and doors and consider installing full insulation, if you do not already have it.

Full insulation can reduce heating costs by 50 percent or more (compared with the cost of heating a house with no insulation at all).

Your heating system should give you dependable, economical service for many years if you have it serviced regularly (at least once a year), and if you observe these tips on efficient use for additional savings on operating costs of your heating equipment.

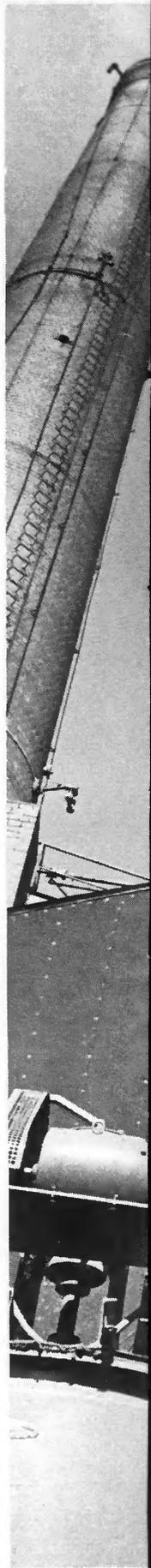
## NOW — in Mid-Winter You can convert to Electric Heat



# Illinois Coal '2

the challenge

Mines to Market:



It's easy to get along with Harry Davidson—just don't make fun of his mules. According to him, you could do a lot worse than having a mule for a pet. You could have a horse for instance.

Davidson, who lives on a small farm south of Nashville, has one of the best team of mules in the state—maybe the nation, considering the declining mule population. At least, when he took his team to the National Mule and Donkey Jubilee in Indiana recently, they were good enough to win the half-mile chariot race and place fifth overall in the halter or show class from among 1,400 animals.

The mules' home is located 27 miles west of Mt. Vernon, headquarters of Tri-County Electric Cooperative, Inc., which supplies electric power for the farm.

Davidson doesn't exaggerate about his mules' capabilities. In fact, he has a tendency to understate them—which often leads the interviewer to ask one question too many.

"I got a stallion out in the pasture," Davidson said, "but he hasn't got much of a bloodline."

The first mistake. "How far back can his bloodline be traced?"

"Well, he is a great-great grandson of General Ulysses S. Grant's horse, Leopard," Davidson said. "Guess he does go back a ways, doesn't he?"

Or, "Got me a mule across the road, but he can't jump very high and he's pretty slow, too."

Haven't you learned. "How high and how slow?"

"Well, he once cleared a four-foot fence and did a quarter mile in 26 seconds," Davidson said. "Never seen any other mule jump that high. And the speed is up to a quarterhorse's."

When Davidson talks about his mules in a serious vein though—listen. He probably knows as much about them as any self-proclaimed expert. He has been around mules most of his 58 years. Davidson's father spent his life breaking mules he had purchased and Davidson picked up his father's habit early.

"I had my first mule when I was six," Davidson said. "When I was 12, I traded a heifer for a mule and the mule for an old car. Been swapping ever since then."

Davidson now has only four mules. A heart attack in 1971 forced him to sell most of the 13 head he had. Eventually though, the heart attack

also forced him to give up his job as a railroad switchman in St. Louis, so he's back in the mule-raising business again—if on a much smaller scale.

"Before I had the heart problems, I used to do some serious swapping," Davidson said. "Figure I probably traded more than 300 in the years I been around them. Anymore though, it's just a hobby with me."

Davidson only recently has begun entering his mules in competitions. And they have done exceptionally well, even though his mules are considerably smaller than most of the mules and ponies they compete against.

"These are 'mini-mules,' Davidson said. "They are a cross between a donkey and a pony instead of a donkey and a regular-sized horse. The biggest one stands an inch under four-feet high, the smallest is only 45 inches tall."

In another era and area, the mules Davidson breeds would be called cotton mules, bred in the Old South to do work in cotton rows that a large horse could not negotiate.

Which brings us rather obliquely to the horse. In many ways, Davidson feels the mule is maligned when compared to his larger cousin, the horse. According to him, it should be the other way around.

"The mule is superior to the horse, intelligence-wise and most other ways," Davidson said. "For one thing, they are easier to train than a horse. I can train a mule to do things in one year it will take a horse three years to figure out.

"That's why you mostly see trick mules in rodeos instead of trick horses. Same thing with being used as a pack animal. Mules are just more surefooted going up a mountain slope, and they are about half-again as strong as a horse of the same size."

"Mules aren't stupid, but the people that own them can be," Davidson said. One story he uses to illustrate the point is about a mule pulling a load of hay.

"The mule pulled until it couldn't pull anymore, which made the farmer mad. He lit a fire under the mule to get it going. Well, the mule moved alright. It moved until the fire was under the wagon and the hay was blazing.

"Same way with hurting a mule," Davidson added. "Besides showing how dumb some people are, it also proves how intelligent the

*(continued on page 16)*

HARRY DAVIDSON IS BASICALLY JUST AN . . .



# THANK YOU--

On October 23, it was necessary for our Parkville Substation to be shut down. Our power supplier for that station had maintenance that needed to be completed on its transmission

line.

In order for service not to be interrupted, we requested, by mail, that power be conserved as much as possible in the affected area.

We wish to thank each and everyone of you for your cooperation and understanding. Without your support, we would not have been able to carry your load from our other stations. The voltage would have been too low, requiring us to disconnect everyone served by that station for the entire eight hours.

Again, we want to say thank you.



## Illini Electric News

ILLINI ELECTRIC COOPERATIVE 217-352-5241 CHAMPAIGN, ILLINOIS

### ANNUAL MEMBERS' MEETING

Illini Electric Cooperative

**Saturday,  
February 8, 1975**

REC-ARENA  
on Route 45  
2 miles south of  
Champaign

*EARLY BIRD AWARD  
ATTENDANCE PRIZES  
Door Prize for Each Member  
Ham & Cheese Sandwiches  
Soft Drinks  
Coffee & Doughnuts  
ENTERTAINMENT  
Short Business Session*

MANAGER'S COLUMN:

### IN THE NEWS BOX

by Walter R. Smith

Mail without stamps will be returned to the sender rather than forwarded "postage due" after November 17, according to the new U.S. Postal Service regulation. All unpaid mail (mail without sufficient postage) will be returned to the sender if a return address is available. Mail without a return address will be sent to the dead letter office, where the contents will be examined to determine the sender. If nothing identifies the sender, the contents will be destroyed.

This is a post office regulation, thus the cooperative has no control over this. In the past, an average of 10 letters per month were received without postage. These letters will now be returned, causing those people to have an unpaid bill. I urge you to check your postage before mailing.

ILLINOIS RURAL ELECTRIC NEWS



"Hey, Mister!, I found the trouble. This range wasn't plugged in!"

## ELECTRICITY HAS LITTLE RESPECT FOR THE CARELESS

About 1,000 Americans are killed each year as the result of electric shock. How many more are injured and didn't make the statistics are unknown, but even if the number is small, the possibility of shock is usually unnecessary, if one stops to think.

Contrary to popular belief, the fellows who work with high voltage every day seldom become victims of it. It is those people in the home or farmyard who suffer the greatest number of fatalities through electric shock—and these happen with supposedly harmless household current.

Fortunately, most people have a lot of respect for electricity and don't want any part of tinkering with it. Unfortunately, many of these same people may lay themselves wide open to electrical shock unknowingly. A fellow may look at all the terminals, fuses and do-dads in his electrical load center with considerable trepidation, but on the other hand, thinks nothing of propping a 120-volt radio or portable heater on the edge of the bathtub while he soaks.

Grinding, whirring, clacking machines—as does the rattlesnake—send out a warning noise and a person is naturally reluctant to poke a finger into a nest of them. Electricity, however, performs its work silently, odorlessly, and cannot

be watched as it flows through the wires.

This fact is a pretty good reason not to form any bad habits while handling electrical equipment. Perhaps the most common bad habit is to rest part of the body against a ground while holding some kind of an electrical gadget in our hands.

What is a ground? A ground is any electricity-conducting material that at some point enters the earth or touches a conductor that in turn enters the earth. Typical grounds are a cold water pipe, gas pipe, storm drain, or any metallic device connected to such things as a faucet, metal sink, or a radiator. A damp concrete basement floor or an outside patio is a good ground since there are moisture paths through it to the earth beneath.

The electrical industry and wiring codes have gone to great lengths to make the use of electricity safe—and it is. Many electrical gadgets are formed from nonconductive materials and, of course, the wiring codes demand self-grounding receptacles and boxes for the users' protection. However, many of the older appliances with the two wire cords are still in use, such as drills, saws, mixers, etc., and their age may have broken down the insulating qualities originally put into them. The use of these in a hazardous location, of course, sets the stage for an electrical shock to the unsuspecting operation.

If your wiring system is provided with the three hole grounded receptacles, then you should have most of your plug-in equipment changed over to the three wire grounded plugs. The only exception should be open coil heating gadgets such as hot plates, toasters, etc. By using the three wire plug on your portable equipment, it automatically grounds the frame of the equipment, and in case of a short circuit in the machine it can do no more than blow a fuse or trip an overload device. The operator is safe.

The knowledge exists to make all electrical products shock-free. The trouble is that so few have this knowledge and those who do often become careless. Any time you receive a slight shock from electrical equipment you had better have it examined by a competent electrician or it may someday light up your ears like a neon sign.

Electric power is the safest yet devised by man. But it has little respect for the careless or unthinking. Know when your body is grounded, shun brass lamp sockets on extension cords or near grounds, beware of ungrounded motors and metal-clad portable appliances, do away with flimsy insulated cords, don't hoist well casings and farm machinery into high tension lines, keep your fingers off wire terminals, turn off the current before making repairs, and then sit back and enjoy this electrical world.

### Illini Electric

Mailing Address—P. O. Box 637,  
Champaign, Illinois. Phone  
352-5241

Headquarters Location—1605  
South Neil Street, South of  
Champaign on U. S. Route 45.

Office Hours—8:00 A. M. to 5:00  
P. M., Monday through Friday  
— closed all day Saturday,  
Sunday and Holidays.

Holidays Observed—New Years,  
Lincoln's Birthday, Good  
Friday, Memorial Day, Fourth  
of July, Labor Day, Veteran's  
Day, Thanksgiving and  
Christmas.

Reporting Service Interruptions,  
Broken Poles and Fallen  
Wires—Phone 352-5241 — day  
or night — 7 days a week. No  
reverse calls accepted.

Is it true that Santa Claus lives on Bannon Hill near Grayville rather than the North Pole?

Not really, but one of his helpers who has portrayed the jolly old gent for the past 49 years does live there. And from time to time he receives mail addressed: Santa Claus, Route 1, Bannon Hill, Grayville, Illinois.

Santa's helper is Willard Bannon. And with almost a half century of ho-ho-hoing, one might say he has quite a bit of experience under his wide, black belt.

Bannon, a director of Wayne-White Counties Electric Cooperative, started as Santa's Grayville area representative in 1925. He enjoyed it so much he hasn't been able to resist donning that fancy red suit since.

Bannon's interest in portraying Santa came after seeing an uninteresting portrayal by another of Santa's helpers.

"What bothered me," Bannon said, "was the person, not wanting to give away his identity, wouldn't speak. A Santa without a voice isn't worth a hoot—I felt I could do a better job so I gave it a try.

"I soon realized it wasn't an easy job to be an interesting Santa. I remember waiting to make one of my first appearances and I noticed an elderly couple walking out. Asking where they were going, they

replied 'Santa Claus is not for old folks.'

"Since then I've tried to make my program interesting to young and old alike. I've found out the red suit alone fascinates children, but the older people tend to listen to what you say."

Bannon works out a special program for every appearance. His repertoire includes stories, joke gifts and various types of letters to Santa.

"As far as Santa's concerned," Bannon said, "everyone's a child—men are boys and ladies are little girls. Just referring to an elderly lady as a little girl creates a jovial atmosphere.

"Whatever I do, I just try to keep the program interesting," Bannon said.

And interesting his programs must be, for he has played the role many times in an area from Fairfield to as far away as Evansville, Indiana.

He counted 10 churches and eight schools he has played many times. Sometimes he plays as many as three different engagements in one night.

"Santa, like a mailman, has to go rain, ice or snow," Bannon said. His wife does the driving when he is in costume and she keeps track of his engagements. She also makes, repairs and maintains his fancy red suit. He has worn out several over the years.

Bannon proudly says he has never missed a year in nearby Fortney. His endless list of other engagements include the Edwards County Fair, Grayville Christmas festivities, service organization parties and many private parties. Bannon has been Santa to five generations of one area family.

He is also proud of the times he has been able to bring Christmas to less fortunate families because of the generosity of many people in the Grayville area.

The years have provided many memorable experiences, some humorous. He recalled one school program where he was supposed to appear, and when dressing found the pants to his costume had been left at home. "Luckily, it was a short drive and I had enough time," Bannon said.

"Children can be mischievous at times," he said recalling an incident after another school program. "Three 12-year-old boys decided they would disrobe Santa and were waiting for



*Grayville Area Resident*

# Nearly 50 Years of Ho