

the worlds first

DESTROYS ALL ODORS FOR 366 DAYS ^{24 HOURS} 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!)

JAY NORRIS CORP.

25 W. Merrick Rd., Dept. SEO-65, Freeport, N.Y. 11520
Serving Satisfied Customers
for over 25 Years

ORDER BY MAIL WITH CONFIDENCE 30-DAY MONEY-BACK GUARANTEE

Jay Norris Corp. 25 W. Merrick Rd.,
Dept. SEO-65, Freeport, N.Y. 11520

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

SAVE! Order TWO for only \$3.50 plus 60¢ shipping and handling.

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

Enclosed is check or money order for \$_____.

(N.Y. residents add sales tax.)

PRINT NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

© Jay Norris Corp., 1973



Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



35 Years of Service and Progress

by Robert Vander Pluym, Manager

Rural Americans were in the dark before the middle 1930's and still would be in many cases had it not been for some very aggressive rural people. Rural people like Joe Heimann and others who wanted electricity and couldn't get it from the private utilities. The utilities believed additional consumers in low density population areas would not prove profitable.

It was in the spring of 1939 that Joseph H. Heimann of rural Albers, Illinois, was hired as the first manager of the Clinton County Electric Cooperative for a salary of \$125 per month by the newly formed board of directors. Joe started immediately and began to work as hard as he knew how. He and other members of the board began a series of meetings explaining to prospective consumers the advantages of signing with the cooperative to obtain electricity for their farm. It was an endless task. Many, of course, just couldn't visualize the advantages of electricity, others wanted it for years and couldn't wait, some worried about the monthly minimum of \$3.00, a few believed the Rural Electrification Administration (REA) wouldn't last and they would be stuck with a loan mortgage to pay off, with the remainder of people just wanting to wait and see.

After hundreds of meetings, night and day, this small group, led by Joe, had enough members signed to apply for a loan from REA. After receiving the first loan, a contractor was hired and construction began on the first rural electric distribution lines in the area. Today, the Clinton County Electric Cooperative is in solid financial condition, has over 3,000 members and more than 850 miles of electric distribution line in five counties.

After 35 years of dedicated service, Joe Heimann has decided to call it quits and retire effective December 31, 1973. Joe, as all of us knew him, will always be remembered for his foresight, his down-to-earth method of conducting business and his friendly attitude toward all. We're certain he will be remembered in the rural electrification program as one of the greatest managers in the nation. All who knew him, respected him and they, too, will miss his words of wisdom and advice.

We, the employees and directors, wish Joseph Heimann the best of luck in his retirement years. We would also like to wish all of our members a very happy and prosperous New Year.



Clinton County Electric Cooperative Board President Menard Luebbers, Jr., (right) stands with Mr. and Mrs. Heimann after presenting the former manager with a diamond ring in appreciation for his long and outstanding service.



Dr. Val Eversgerd, vice president of the Germantown and Bartelso Savings Banks, presents Heimann with a plaque in appreciation of his service to the cooperative, to the community and to his fellow citizens.



Father may know best, but who knows father best? Sylvia Henken, Heimann's daughter, tells what it was like growing up with her father and of his warmth and sincerity.



Time and hard work have not lessened Heimann's sense of humor as he listens to Thomas H. Moore, general manager of the Association of Illinois Electric Cooperatives.



Vice President Burl Quick reflects on Heimann's years with the cooperative and his willingness to put in long hours to achieve the cooperative's objectives.

Representatives from past and present employees and directors of Clinton County Electric, civic and business organizations, shared in expressing their appreciation for the friendship, the leadership and the contributions of the Heimanns to the cooperative movement, to the community and to their fellow citizens at a recent retirement dinner.



State Representative Ben Harpstrite, 55th District, tells of the importance of Heimann and other pioneers who brought electricity to the rural areas.



Wilfrid Hilmes, mayor of Breese, expresses his gratitude for Heimann's friendship and for his close cooperation with the city government through the years.



The present Cooperative Manager, Robert Vander Pluym, presents Heimann with a photo album which traces Heimann's accomplishments and the cooperative's growth under his management.

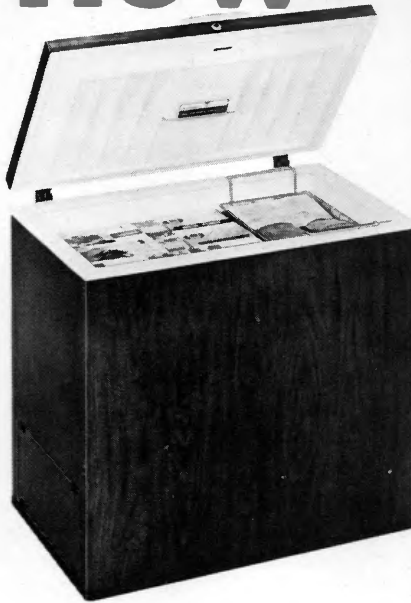


The Honorable James Donnewald, state senator from the 55th District, speaks on the progress of electric cooperatives and their ever-increasing importance for the future.

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

\$1⁹⁹



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

**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.)

PRINT NAME _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

© Jay Norris Corp., 1973



Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



Across the manager's desk

1974 marks the cooperative's 35th year of service to its members and each year members have continued to increase their consumption of electric energy. In 1940, for example, 673 members on 314 miles of line consumed an average of 40 kilowatt hours per month. The average bill was \$3.00. Today, 3150 members on 850 miles of line are averaging 1300

kilowatt hours per month. The average bill is now approximately \$28.00. In the next few years, we expect even greater increases in the use of electric appliances, plus a

sharp acceleration of electric heating and grain drying.

As a result, our cooperative must keep constantly informed on technical advances in line construction and modern equipment. Our employees will be required to possess more technical skills and keep well informed in an effort to give you the best possible service.

During the past few months, some of you have experienced a greater than normal number of outages. This has been primarily due to inclement weather, resulting in heavier icing on our distribution lines.

We have always been proud of our record in restoring service and keeping outage time to a minimum. Our linemen are a closely knit group and they believe in a team effort. Members have also been very cooperative and we appreciate their support. On several occasions, area farmers have offered assistance to line trucks having trouble maneuvering on snowbound and ice packed surfaces.

Remember that we have 24-hour service on outage calls. Calls are

handled by cooperative personnel, Monday thru Friday, 8:00 a. m. to 5:00 p. m. For holidays, evening and weekend calls, a private answering service will take your message and relay the necessary information to our linemen.

Although this is my second month as your new manager, you may have noticed that we have made very few

policy or organizational changes. I will, however, be using this column as a means of keeping you fully informed on all matters that might affect you as members. My office will be open to any member at all times. If you have comments, suggestions or problems with your electrical system, stop by the office. I will be more than happy to discuss them with you.



R. W. Vander Pluym

IT PAYS TO HAVE ADEQUATE INSULATION

For economy, comfort and energy conservation, adequate building insulation is a must. It is unwise to put electric heat, or any other heat for that matter, in a poorly insulated building.

The purpose of insulation is to retard the flow of heat from warm areas to cold areas. Good insulation will pay for itself with the savings you realize in heating and cooling cost.

All insulating materials are not the same. Therefore, make sure the insulation you use in your home will do the job you want it to do. Careful thought must be given to the amount needed as well as the correct application.

The way to compare insulating materials is by the thermo resistance called "R" values. The "R" value indicates the ability of the insulating material to resist the passage of heat. The higher the "R" value the greater the insulating ability. We recommend an "R" value of 22 for the ceilings, "R" values of 11 to 13 for the walls and an "R" value of at least 11 under the floor.

For ceilings over heated areas, an insulated material with an "R" number of 22 is required. This insulation will usually be 6 or more inches in thickness. For flat or low pitched roofs, rafters should be of 2x8 material to accommodate the required 6 inches of insulation and allow sufficient "breathing" space between the insulation and exterior parts of the roof.

For exterior walls of heated areas an insulating material with an "R" number of 11 or greater is needed. While some three-inch thick insulating materials will meet this requirement, a material 3 5/8 inches thick will generally be used because of the very slight difference in cost between the two.

For floors over vented crawl spaces, an insulating material with an "R" number of 11 is recommended, as the temperature in properly ventilated crawl spaces may be only slightly less than the outdoor temperature. To meet this "R" number requirement, the insulation will be three to 5 5/8 inches, depending upon the floor construction and the type of insulation used.

Select insulation that fits the spacing of floor joists and place the vapor barrier near the warm or upper side. Use wire mesh or other inexpensive material to hold insulation in place. Commercial steel wire supports can also be driven into joists to keep floor insulation in place.

Concrete slab floors should have a two-inch waterproof insulation board between the entire outside edge of the slab and the foundation. This should either extend vertically 24 inches below grade or around the edge and 24 inches horizontally and under the slab. Basement floors less than two-feet below ground level should also be insulated in this manner.

13th ANNUAL
SOUTHERN ILLINOIS
**FARM
MATERIALS
HANDLING
SHOW**

Washington County
Fairgrounds, Nashville

(Highway 127, South)

MARCH 5 (11:00 a.m. - 9:00 p.m.)

MARCH 6 (9:00 a.m. - 9:00 p.m.)

MARCH 7 (9:00 a.m. - 3:00 p.m.)

SHOW SPONSORED BY:

Illinois Farm Electrification Council, Cooperative Extension Service, University of Illinois and Southern Illinois University School of Agriculture.

Electric Power Suppliers:
Illinois Power Company

Illinois Electric Cooperatives:

Wayne-White	Monroe County
Tri-County	Egyptian
Southwestern	Clinton County
Southeastern	Clay Electric
Southern Illinois	

ANNUAL EXHIBITS



Herbicides and Chemicals



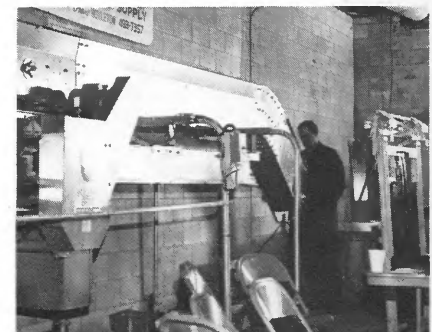
Storage Bins and Silos



Confinement and Milking Systems

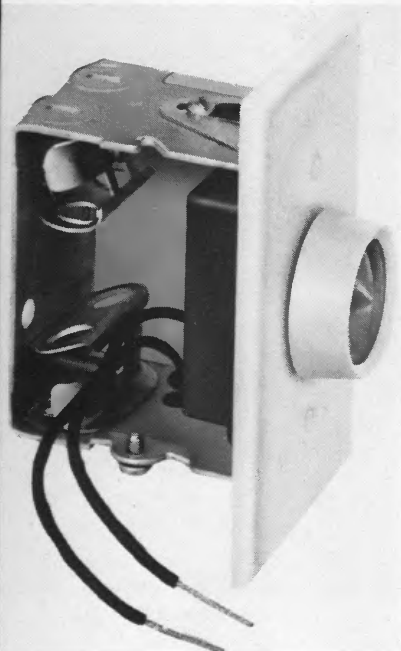


Standby Generators



Feeding Equipment

what's new?



Trimatron

Trimatrontm, 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. Trimatrontm 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.

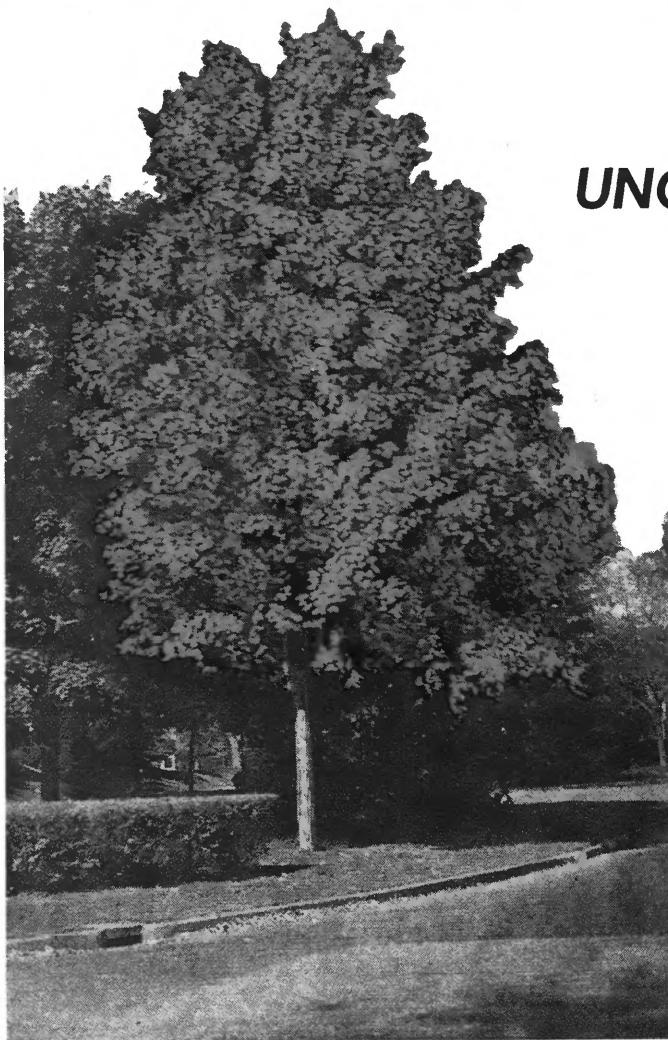
"Eventually I'd like to have a facility which would handle a 125-cow milking herd," Schewe said. "And to comply with new ideas in environmental protection, it would be a deodorized unit so the wind wouldn't carry the scent of the barnyard. But to set up such an operation, it would require an additional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



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?

**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.

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 _____

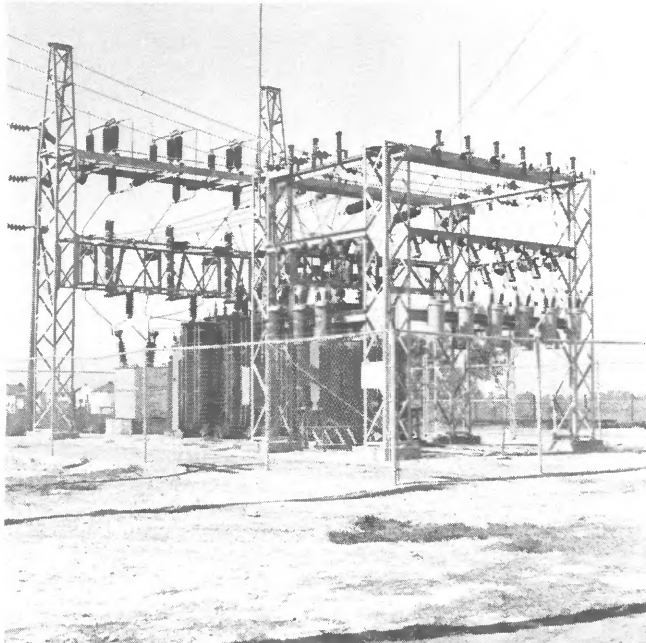
City _____ State _____ Zip _____



Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



The Beckemeyer substation has a capacity of 3,750 KVA. Three 1,250 KVA transformers, located in the center of the structure, convert high voltage from Illinois Power to a lower voltage more suitable for our distribution purposes. Residents between Carlyle and Breese and to the north and south are served by this station.



Overhanging trees and limbs in power lines can cause loss of service to many members during wind and ice storms. Those with potential hazards must be trimmed or removed.

across the manager's desk

Each year it seems we work harder trying to eliminate the causes of line outages. Extensive checks of our lines turn up hundreds of defective poles which are replaced annually. Such poles can break during wind and ice storms and thus cause line outages.

Trees overhanging our lines are cut when permission is received from the property owner. The better shade trees are usually trimmed. Broken insulators and loose hardware are repaired or replaced and lines built on private rights-of-way are relocated if they prove to be inaccessible to our line trucks.

However, even though we maintain an excellent maintenance program, unexpected outages do occur and have to be considered an unavoidable evil in any electrical distribution system.

After checking January's outage record, I can give you an idea of why, even under the most closely scrutinized system, line outages do occur.



R. W. Vander Pluym

Eight transformers were burned out during the month. This usually results from several factors. The member may overload the transformer, animals such as raccoons, squirrels and cats often climb poles and interfere with the transformer's function and lightning, a common summer occurrence, can quickly destroy the transformer's operation.

Four additional outages were caused by member overloads or shorts causing tripped breakers under the member's meter. Few breakers are now used under the meter, but if you have one, always check for the tripped breaker before reporting an outage to the cooperative.

The above outages usually affect only one member each time. Other outages can affect many consumers. Some of these are unexpected and are beyond the cooperative's control.

For example, on January 8, a tractor trailer hit a transformer pole affecting eight members in the Ferrin area. On January 18, another pole was broken by a car, causing loss of power to 270 members. Again, on January 28, another pole was toppled, this time affecting 30 members.

We make every effort to replace these poles as quickly as possible, yet there is a time lapse before we can get a replacement to the scene.

Another common outage happened on January 26. Our electrical supplier, The Illinois Power Company, was having trouble controlling their lines when high winds caused intermittent service to five of our substations. Nearly 2,800

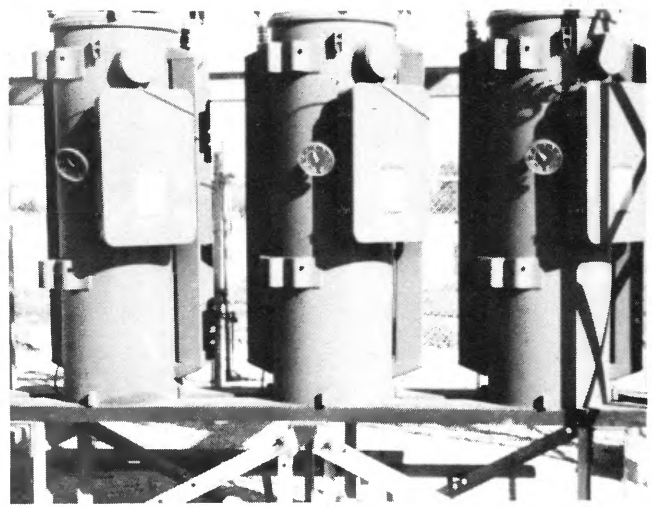
members were affected in this instance. Our supplier also lost a phase between the Breese and Beckemeyer substations, causing loss of service to nearly 1,400 members. It becomes necessary then for us to switch power to other stations. After our supplier repairs its lines, a momentary power loss is necessary to switch our stations back to normal operation.

Although we cannot control supplier outages, we are in constant touch with Illinois Power Company in an effort to eliminate these problems, especially when a supplier outage can affect our entire system. Almost one half of our major outages during the past year were the cause of our supplier.

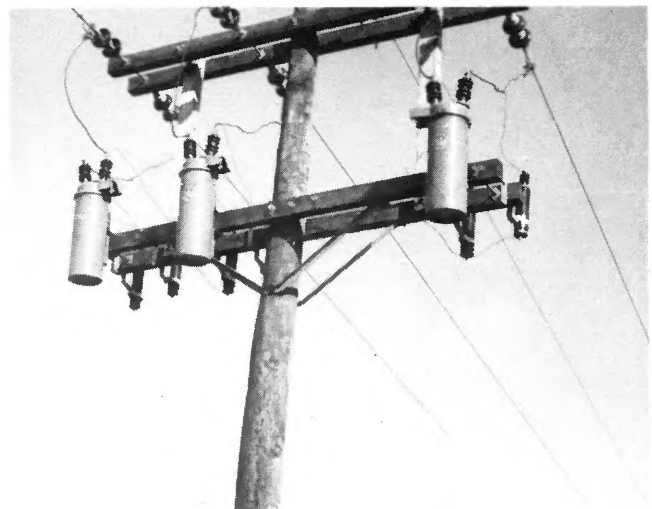
Of course, outages are not the only problem of a cooperative. We must constantly look ahead when estimating future member requirements.

For instance, we now have a series of six substations deriving their source of power from our supplier. Each serves a defined area in the county. As electrical loads tend to increase, the capacity of the substation to accommodate new loads decreases. The Beckemeyer substation, as you may note on the map, is now carrying the largest load. The Trenton station is nearing full capacity at this time.

Therefore, to relieve these heavy loads, to meet your increased demand and to provide you with better service, two new substation locations are currently under study by your board of directors. One station will be located near Mascoutah with the other, most probably, in the Bartelso area.



More current is consumed by our members during certain hours of the day. Voltage regulators, located in the substation, adjust for load changes while keeping your voltage on the farm at the proper level.



You may have noticed oil circuit reclosers on our lines. They are designed to clear temporary faults by automatically opening and reclosing distribution circuits subjected to overcurrents.

Avoid Wasting Electricity and Save Money

You can reduce your electric bill by economizing on electric heating by taking the following steps:

Install storm windows and doors to prevent heat loss. If this is not practical, weatherstrip doors and windows.

Lock windows in cold weather. They fit tighter when locked.

Do not set your thermostat above what you consider the comfort level. Many people overheat their homes.

Install a furnace-type or console humidifier to raise the humidity in your home. When humidity is high, comfort temperature is lower, so you can set your thermostat lower.

FEEL TIRED?

If you are an adult of average weight, here is what you accomplish in 24 hours:

- * Your heart beats 103,689 times.
- * Your blood travels 168,000,000 miles.
- * You breathe 23,040 times.
- * You inhale 438 cubic feet of air.
- * You eat 3¼ pounds of food.
- * You drink 2.9 quarts of liquid.
- * You lose 7/8 of a pound of waste.
- * You speak 4,800 words, including some unnecessary ones.
- * You move 750 muscles.
- * Your nails grow .000046 inch.
- * Your hair grows .01714 inch.



*** 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
GOLDEN RULE BUILDING • LAWRENCEVILLE, ILLINOIS 62439



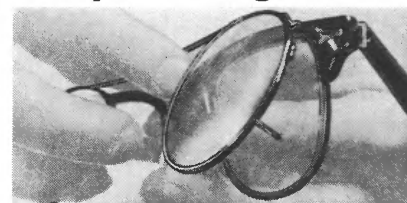
"You can't use it for a few minutes -- it's busy mixin' up a batch of biscuits."

If Ruptured TRY THIS OUT

**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., 13605 DEPT. 9P

Clip-On Magnifiers



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



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.

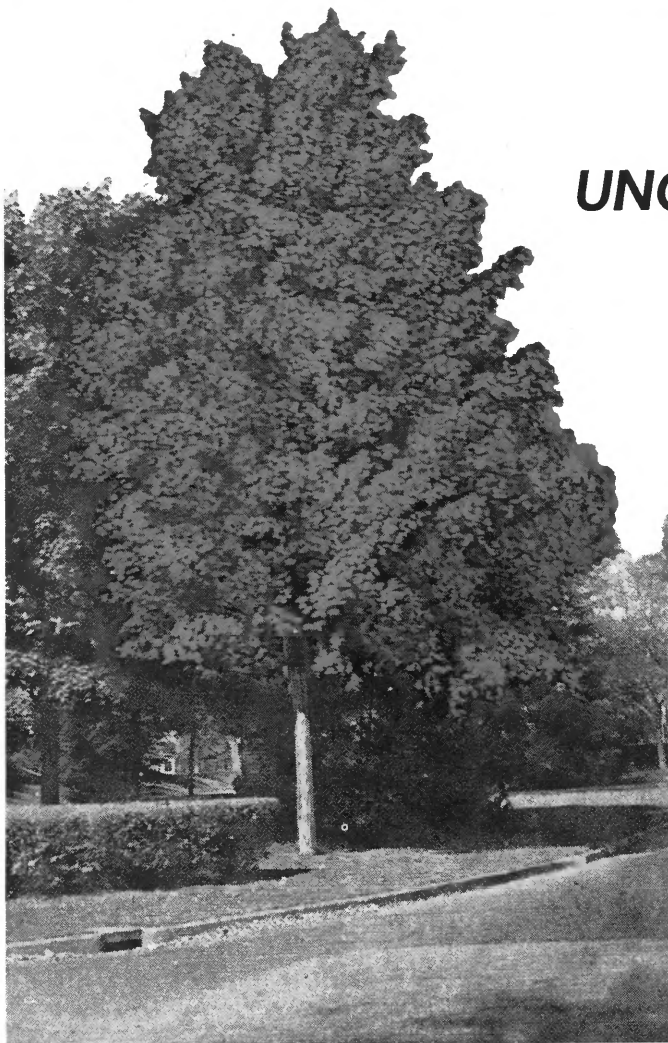
FOX ENTERPRISES

Box 211

MARION, KY. 42064

Mfr. and Distr.

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

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 _____



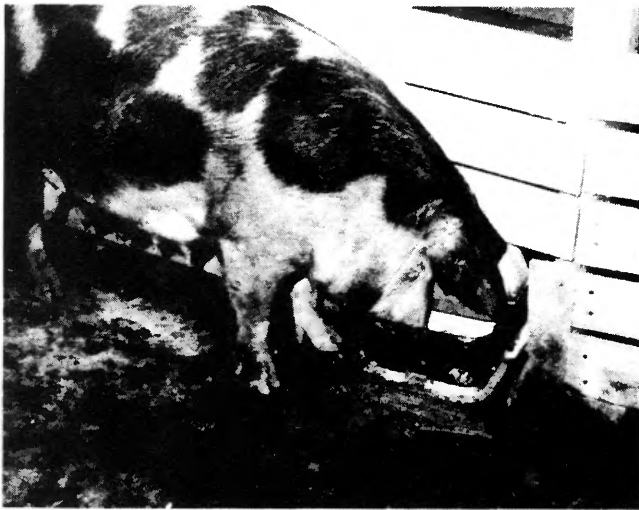
Clinton County Electric News



"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS

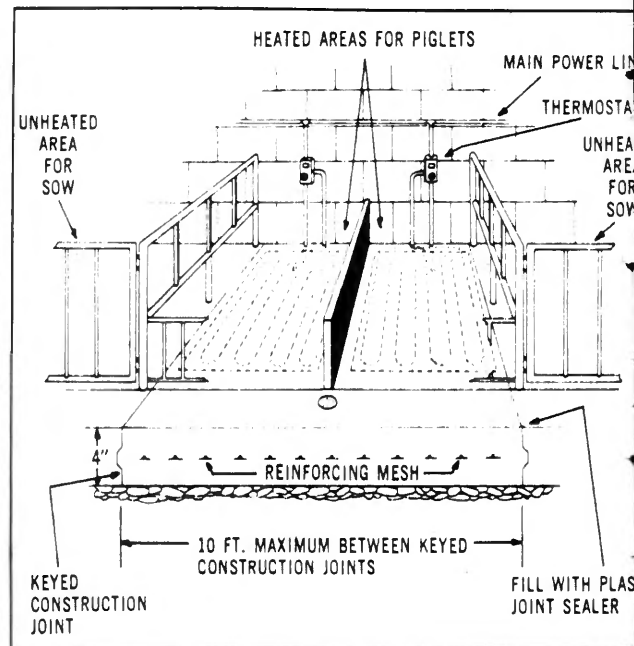
ELECTRIC HEATING FOR LIVESTOCK



ABOVE: Water fountains inside or outside a building can be protected from freezing by installing a small electric heater in the water. LEFT: As illustrated in this diagram of farrowing stall with floor cable heat, each creep area can be controlled separately to allow some areas to be turned off when not in use.



In this new finishing building, cable heat was used. Pigs which are three to four weeks old can be moved into each of the four pens where they will stay until sold.



The thermostat's sensing bulb is located in the concrete floor to control the floor temperature and is not controlled by the air temperature.

"Electric Heating Cable" from farrowing to finishing

Warm surroundings for newborn pigs are essential if the maximum number of pigs are to survive. One method of providing the warm environment for baby pigs consists of placing electric heating cable in concrete floors. Growing and finishing hogs can also benefit from floors warmed by electric heating cable.

A floor temperature of 90 degrees F. in the creep area will keep the baby pigs warm and safe. The floor temperature can be reduced about 6 degrees F. per week. A floor temperature of about 60 degrees F. is appropriate for larger animals.

Heating Mat

The easiest method of installing heating cable is the use of a heating mat. This is a prefabricated mat which has the cable properly spaced and anchored in the flexible mat and has the appropriate power leads and grounding braid as required by the National Electrical Code.

Installation

A common way to install heat cable mat has been to start with a gravel fill covered with a vapor barrier. A layer of insulation is normally used beneath the heat mat to impede the flow of heat from the mat into the

ground. The insulation, which might be in the form of two inches of rigid insulation, is placed on the vapor barrier and covered with at least ¼ inch of grout, a cement and sand mix, where the mat is to be placed. The mat is then positioned on the grout and a concrete mix is spread over and around the heat mat to a depth of about two inches over the heat mat. The grout prevents melting of the insulation by keeping the heating cable away from the insulation. It also prevents burnout of the cable by providing a good heat-transfer medium around the heating cable (Figure 1). An alternate method consists of pouring three inches of insulating concrete over the floor area and vapor barrier, positioning the mat, and pouring about two inches of regular concrete over the entire area (Figure 2).

Another mat installation procedure which may be followed consists of placing a thin layer of sand over the vapor barrier. The mat is then positioned on the sand and covered with another layer of sand. A concrete layer is then poured to its full 3½ to 4½ inch thickness. The operating costs will be higher than for the installations utilizing some form of insulation under the mat (Figure 2).

Regardless of the mat installation method, insulation should be used around the perimeter of the building. This reduces the heat loss to the outside. A minimum depth for perimeter insulation should be two feet.

Thermostatic Control

About four farrowing stalls or finishing pens can be controlled with one thermostat. The use of additional thermostats will provide more versatility as far as regulating animal numbers and sizes per pen. The thermostat sensing bulb should be placed above the heating mat in one of the stalls or pens. A switch should be installed for each stall or pen so the mat can be turned off when not needed. The amperage rating of the thermostat must be of sufficient capacity to operate all pens or stalls to which it is connected. If several pens are controlled by one thermostat, it is necessary to keep hogs in the pen that contains the thermostat.

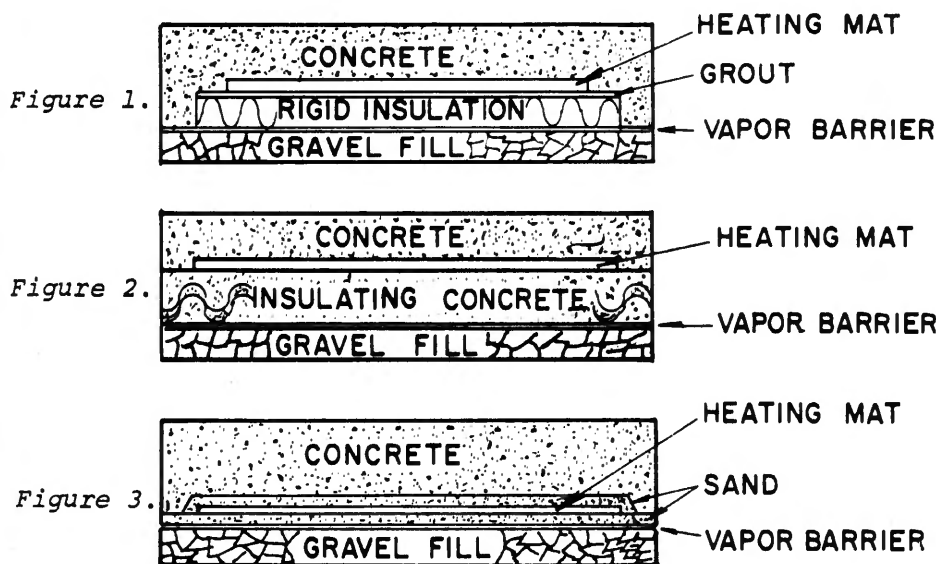
The bulb should be installed in conduit which has the lower end sealed. The conduit protects the sensing bulb and capillary tube which operate the thermostat. The conduit also facilitates removal of the bulb if replacement is ever necessary. After installation, it is advisable to fill the conduit with oil to prevent moisture condensation inside the conduit and to provide better heat flow to the thermostat bulb.

Heating Cable Wattage

Approximately 35 to 40 watts per square foot of floor area are recommended for the creep space in farrowing stalls in well-constructed buildings that do not have other heat sources. The heating cable should be turned on about a day before the sow is expected to farrow because the concrete warms up slowly.

Finishing buildings do not need as much of a heat source in the floor as is required for farrowing. If the building has an open front, about 17 to 20 watts per square foot is adequate. The normal procedure is to provide the recommended wattage in about one-third to one-half of the finishing area.

This publication developed by the 1972-73 IFEC Environmental Control Committee.



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.

Yes, I'd like to have a free copy of the
"College Costs Booklet"

Name _____

Address _____

City _____ State _____ Zip _____



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.

FOX ENTERPRISES

Box 211

MARION, KY. 42064

Mfr. and Distr.

If Ruptured TRY THIS OUT

Modern Protection Provides Great
Comfort and Holding Security

An "eye-opening" revelation in sensible and comfortable 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.



Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



Standby Equipment for Power Interruptions

Electricity has become essential to farm operation and family living. Unfortunately, few people realize that fact until the power goes off.

Ventilating fans, water pumps, milking machines, mechanical feeders, fallout shelters, refrigeration, furnace controls and other vital modern production equipment require continuous electric service.



R. W. Vander Pluym

Storms, accidents, nuclear disaster, or unavoidable breakdown of power-generating or transmitting equipment, at times cause power failures.

If a power outage lasts for any length of time, serious problems such as animal suffocation in windowless animal shelters, food spoilage, frozen water pipes or less production will result. This ever-increasing dependence on a constant supply of electricity has caused increased interest in standby equipment for generation of electricity.

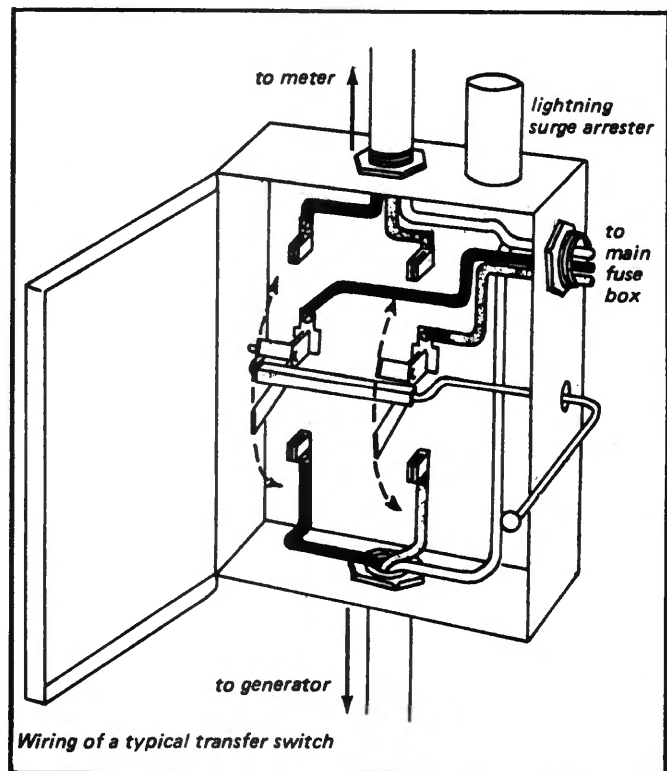
Standby power equipment can convert physical inconveniences and mental frustrations into ease of mind and uninterrupted production. A farm operator or home owner must decide if he will buy the insurance of a standby generator or if he is willing to accept the risk of power failure. The expenditures for standby generation equipment must be considered as being the same as any other kind of insurance. The cost of installation and maintenance of the system must be compared with the possible financial loss and inconveniences due to power outages. Justification will depend on the size of operation, essential electrical uses and history of power failures for the area. Standby power equipment should provide dependable electric insurance for about 20 years, excluding demand changes, if it is used and maintained properly.

Farm operators, particularly those who depend on continuous electric service for such processes as mechanized feeding, milking machines, ventilation or automatic waterers, might find it worthwhile to provide for emergency electric power.

The National Electrical Code requires that a standby generator be connected so as to prevent the inadvertent interconnection of the two power sources. A double-pole,

double-throw switch is usually installed between the power supplier's meter and the service entrance (100, 200, or 400 amperes). If current transformers are used for metering, a pole-top transfer switch may be used.

The use of a double-throw switch prevents power from feeding back into the power supplier's line and endangering the lives of linemen who may be working to restore power. It also prevents accidental re-energizing of the farm or home service system and consequent burnout of the



generator when regular power service is restored. Most standby equipment guarantees are voided if the transfer switch is not used.

The double-pole, double-throw switch can be located at the service entrance, inside a building, or on a central meter pole. A single circuit or selected circuits may be connected through a transfer switch. All equipment located outdoors should be weather-proof and meet safety standards.

Thinking About Electric Heat?



In doubt about installing electric heat?

Over 80 electric home heating systems were installed on Clinton County Electric Cooperative's lines in 1973. A good indication of the confidence people have in the reliability of electric power.

If you are thinking about the economy and comfort of your home, keep these thoughts in mind when you consider building or converting your present home to an electrically heated home.

Proper insulation of ceilings, walls and floors prevent excessive heat loss and also helps keep your home cooler on hot summer days. For example, a 1,200 square foot home located in our service area under the old FHA minimum property standards on insulation would cost about \$200 annually. With full insulation the annual heating cost will be cut to about \$130.

Many conventional homes and mobile homes are being converted to electric heat without attempting to install adequate insulation. It is difficult for some homeowners to realize that possibly their home is not insulated properly and they must find out through costly experiences. This certainly is not a desirable situation.



Worried about high bills?

We urge you to deal with an expert. Equipping a home for electric living is no job for an amateur. Deal with a reputable electrical contractor and consult your Clinton County Electric Cooperative office. A power use representative will work with you in designing your system. In existing homes with no insulation or a limited amount, it is usually wood fiber that is blown into the wall cavities and attics with an insulating machine. This has proven to be very satisfactory in providing the resistance required to cut the heat loss to a desired level even in sub-zero weather. Usually, this type of insulation is fire resistant with self extinguishing characteristics. It can be, and usually is, treated to be vermin and rodent resistant.



Afraid of electricity shortage?

Other types of insulation materials are desirable as well and we would encourage you to contact your cooperative personnel in the power use department for advice concerning your application.

Also, be sure you have insulated glass or storm doors and windows. This will reduce the heat loss through the glass about 50 percent. An easy and inexpensive method of reducing heat loss is the extensive use of weather stripping. This aids in reducing the infiltration, or the number of air changes in a given amount of time in your home.

Homeowners who have made the additions in insulation to cut fuel bills have discovered that once they have properly insulated their dwellings, they can make the conversion to electric heat at a modest investment, with monthly bills comparable to oil or gas heating.

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."

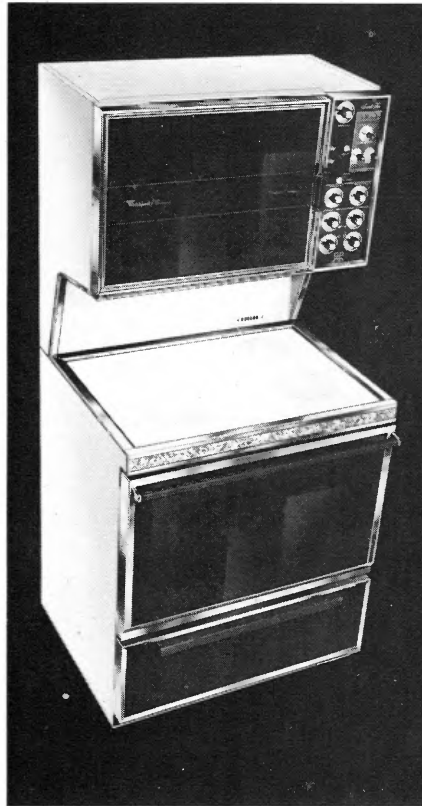
Bagge also warned against putting too much faith in the development of synthetic fuels from coal.

"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 Laning, 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, Steelevator; Charles Witt, M. J. M. Electric Co-operative, 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 Co-Operative, 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.

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)

Illinois Rural Electric Youth Day





Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



"Youth to Washington" Essay Contest Winners

Robert Vander Pluym, manager of Clinton County Electric Cooperative, has announced that two area high school students have been named winners of the cooperative's annual "Youth to Washington" essay contest.

Winners of the week long trip to Washington, D. C., are Lisa Sprengel and Diane Richter, both of Breese.

Lisa is the daughter of Mr. & Mrs. James Sprengel and is a sophomore at Central High School, while Diane is the daughter of Mr. & Mrs. R. Joseph Richter and is a junior at Mater Dei High School.

Both winners will join about 50 other high school students from 18 other cooperatives from throughout Illinois in Springfield on Saturday, June 8. They will travel aboard air conditioned buses for the all-expense paid trip to Washington. They will be accompanied by chaperones and return to Springfield on June 15, 1974.

During their week in Washington, the winners will join approximately 1,200 other students from nearly 30 states who will be participating in "Rural Electric Youth Week" activities sponsored by the National Rural Electric Cooperative Association. Other planned program activities include touring the battlefield at Gettysburg, the U. S. Capitol Building, the Library of Congress, Arlington National Cemetery, the Smithsonian Institute and other national shrines. The group will also be special guests at the White House.

The winners will also meet with several Illinois Congressmen and Senators Charles H. Percy and Adlai E. Stevenson.



Diane Richter
Mater Dei High School



Lisa Sprengel
Central High

Youth to Springfield

Five area high school students, sponsored by Clinton County Electric Cooperative of Breese, were among approximately 125 outstanding Illinois high school students who participated in "Illinois Rural Electric Youth Day" activities on May 8, in Springfield. Shown below, from left, are Diane Richter, Breese, John Straeter, Carlyle, Barb Hilmes, Lisa Sprengel and Darlene Fields, all of Breese and Josie Timmermann, Breese, chaperone. An additional student, Yvonne Nottmeyer of rural Centralia, was unable to make the trip. As essay finalists in the cooperative's annual "Youth to Washington" contest, the students were recognized for their achievements and given a VIP tour of the state capital, the Lincoln shrines and met with Lt. Governor Neil F. Hartigan and other state officials.



Humidity Affects Year-Round Comfort

Sooner or later most conversations about the excesses of weather get around to the humidity. We recognize the discomforts of too much or too little humidity, but how much do we actually understand about the relationship between humidity and comfort?

Relative humidity, defined in the simplest terms, is the amount of water vapor (moisture in gaseous form) in the air compared to the amount of water vapor it can hold at that temperature. As the temperature of air varies, the amount of water vapor it can hold also varies. For instance, a cubic yard of zero-degree air can hold perhaps a half thimblefull of water, but heated to 72 degrees, the same cubic yard of air will hold 34 times that amount. This is because air is composed of molecules with spaces between them and these spaces contain water vapor. As air cools it contracts and there is less space for moisture; as it warms, expansion permits more room for moisture.

It is Nature's law that the space between molecules of air must be filled, thus when air is warm and dry it absorbs humidity from any source

available. When humidity is high, the air loses much of its moisture-absorption ability, and human discomfort increases because our ability to throw off heat by evaporation diminishes or stops altogether.

The resulting discomfort is combated by air conditioning, which removes moisture from the air as well as lowering the temperature. In winter the hazards of too little humidity present a different kind of problem. Frequently, relative humidity drops to 10 to 15 percent when the cool, dry air from outdoors is brought inside and heated. Medical authorities say that too-low humidity can be physically damaging. Excessively dry air absorbs moisture from our bodies. Nasal and bronchial passages are dried, causing tiny cracks in the membranes that can admit germs and viruses and make us fair game for colds and infection. Excessive dryness can also result in skin problems. Plaster and furniture often begin to crack in very low humidity.

More and more home owners are installing power humidifiers to maintain a comfortable level of humidity indoors in winter.



New Employee

Clinton County Electric has a new face. John Winter, age 22, will be working in the Power Use and Member Service Division.

He is a 1970 graduate of Mater Dei High School, and has lived in the Clinton County area all of his life. John and his wife, Carol, now reside in Breese. For the past three years John has been employed by Blue Cross Hospital Service in St. Louis, Missouri.

IF ALL the hot dogs eaten by public school youngsters participating in the school lunch program during the 1955-56 school year were placed end to end, they would stretch from New York City to Los Angeles more than ten times! An estimated 18-million pupils put away approximately 38,050,000 pounds or 30,026 miles worth of franks.

TWO FISH were idly swimming about the English Channel when they noticed a black shadow spread over the area. "Must be a storm blowing up," remarked one.

"Don't be silly," said the other. "That was only the Queen Mary's bottom."

The first fish, obviously impressed, murmured piously, "God save the King."

HE that maketh haste to be rich shall not be innocent.

—Proverbs 28:20

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.**

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

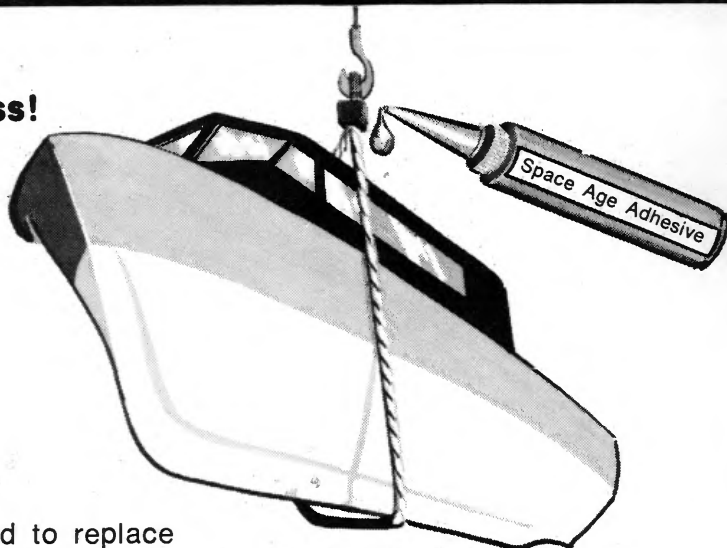
GOLDEN RULE BUILDING • LAWRENCEVILLE, ILLINOIS 62439

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.

JAY NORRIS CORP.

25 W. Merrick Rd., Dept. SEO-289
Freeport, N.Y. 11520

Serving Satisfied Customers for over 25 Years

— — — BUY WITH CONFIDENCE — — —

30-DAY MONEY-BACK GUARANTEE
Jay Norris Corp., 25 W. Merrick Rd.
Dept. SEO-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 _____

STATE _____ ZIP _____

© Jay Norris Corp., 1974



Clinton County Electric News



"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS

Across the manager's desk

If you are planning a vacation this year and know you'll be gone during the time you should read the meter and pay your monthly electric bill, please notify us by phone or mail so we can be of assistance to you. We'll



R. W. VanderPluym

be more than willing to read the meter for you while you're on vacation and will send you a copy of the statement, either for payment when you return or, you can hold the statement until your

next month's bill is due and pay them both at the same time. We hope this service will be of help to you because we want you and your family to forget about these things while you're enjoying yourselves on a vacation tour or while visiting.

Standby Generators

Standby generators are built remarkably well, and are considered very safe, but only if wired according to the National Electric Code and/or your cooperative's wiring specifications. Any standby generator that is not wired into your line correctly might eventually cause a fatality or severe burn to one of the cooperative's linemen who might be working on the de-energized primary line in your area. We don't want this to happen, and we are sure you don't either.

We'd like to remind all of you who have standby generators to have this unit wiring checked by a qualified electrician, not by a friend who thinks he knows. He might lead you into a costly law-suit. If there's no qualified electrician in your area, and if you're not sure your wiring is installed according to the required specifications, call us and we'll check it for you when we're in the area.

Remember, you must have a double throw switch wired into the line between the cooperative's secondary lines coming in and your line feeding all the buildings on the farm. This is an absolute must and if it isn't there, you're letting yourself wide open for trouble. Check your unit today and be safe and sure. . . not sorry.

Stan Huffman Leaves

Stan Huffman, a six-year employee of Clinton County Electric Cooperative in the Power Use and Member Service Division, is leaving. He has accepted the position of Assistant Manager at Clay County Electric Cooperative, Flora, effective July 1, 1974. We here at the Clinton County Cooperative wish Stan and his family the best of luck.



PIPELINE TO ETERNITY

Water is vital for human life—and all life. Ironically, it is also responsible for many tragic deaths. . .not only through drowning, but also through electric shock.

In numerous areas throughout the country, people depend upon deeply driven wells for their water supply. Unfortunately, some well drillers concentrate so hard upon hidden pools of water down below that they forget about energized lines up above. As a result, the well pipe or drilling rig occasionally contacts a power line and—ZAP. Instant death!

Increasing demand for food has brought increasing demand for tillable land—and for water. This has stimulated a tremendous growth in irrigation in recent years. Farmers now get substantial yields from acreage that used to be too arid to touch with a plow.

Irrigation systems are frequently portable, so that they can be moved quickly and economically to different locations. The deadly danger is that a length of irrigation pipe, in vertical position, is often capable of contacting a nearby power line.

If you drill a well, keep pipe and drilling equipment well away from energized lines. If you abandon a well that is under a power line, don't pull the old pipe without first consulting Clinton County Electric Cooperative for our advice and assistance.

If you move irrigation pipe, check for safe clearance with any power lines in the vicinity. The perspective from down below makes it very difficult to judge clearance—so if you feel there is even the slightest chance for contact, get in touch with us immediately. Let's keep pipe as a conduit to bring us—not death-dealing shock—but life-sustaining water.

EMPLOYEE IDENTIFICATION PROGRAM


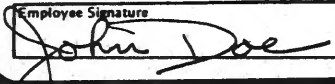
Clinton County Electric Cooperative, with headquarters in Breese, has announced a new employee identification program to provide instant identification of cooperative personnel to all consumers of the cooperative.

The ID card, which has a colored photo of the employee on the front, includes the name of the employee, name of the cooperative, employee's social security number and age. On the reverse side of the card, laminated in clear plastic, is the signature of Robert W. VanderPluym, manager of Clinton County Electric Cooperative.


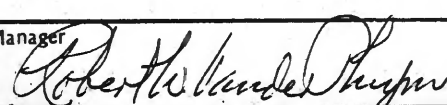
This new ID program is designed as a method to protect unsuspecting cooperative members and consumers from "fake" employees. Cooperative members may come into contact with impostors pretending to be bona fide

cooperative personnel in the course of a seemingly routine "wiring inspection" or possibly to check room thermostats to determine if the homeowner is "complying with the 68 degree energy conservation program." Numerous ruses have been reported across the state during the past several months used by persons to gain access to homeowner's premises to survey the location for further unknown "activities."

Cooperative personnel involved in member contacts at Clinton County Electric Cooperative will be carrying a cooperative ID card by July 1. An employee will present the card at the request of a member. If an individual identifies himself as a cooperative "employee" but refuses to show his ID card, the member is requested to report the incident to the cooperative headquarters immediately.

	An Employee of	
	Co-op Name Here	
Color Photo Here	Employee Name	JOHN DOE
	Social Security No.	999-99-9999
Employee Signature	Birthdate	
	12-31-31	

FRONT

	This identification card is for the use and security of yourself and the Cooperative. You are required to carry this card at all times when visiting members' premises.
Manager	

BACK

IN THIS MODXRN world of xlxtroic dxvicxs, it is quitx common for onx littlx mxchanism to go haywirx. Takx this typxwritxr, for instancx, Thrx are 44 kxys on thx typxwritxr and thx fact that onx littlx kxy doxs not work should not makx this much diffxrxncx. But, onx littlx kxy DOXS mattxr, doxsn't it?

Whxn pxoplx ask you — onx pxrson in a hundrxd — to hxlp thxm out — to do just onx littlx job, do you txll thxm, "no," and pass on as anothr wxak kxy in thx schxmx of biggx plans? You might say this littlx job could bx handlxd by othr pxoplx, biggx pxoplx who know what to do and how to do it. But, thrx was a timx whxn thxss pxoplx wxrx just littlx kxys likx you.

The nxxt timx you think you'rx too littlx to do thx job, rxmxmbxr that you arx onx important kxy — a kxy mxmbsr — to any group to which you bxleng.

A STORK is a bird with a great big bill He brings us babies whenever he will And then comes the doctor and when he is through We find that he has a big bill, too.

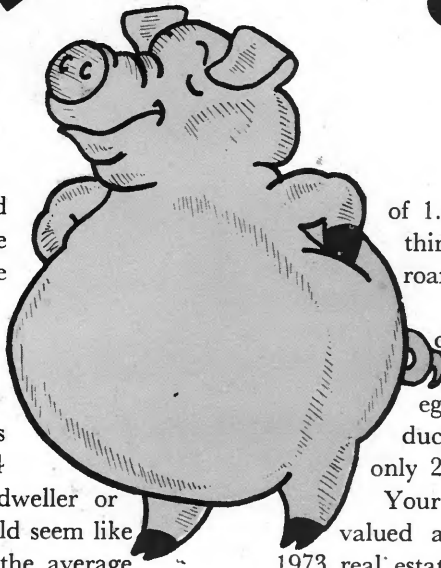
AND THEN there was the little boy who, when asked to draw a horse and wagon, only drew the horse, because he figured the horse would draw the wagon.

THE PENTAGON in Washington, D. C., is the world's largest office building. The floor area is approximately 6,500,000 square feet. It covers 34 acres, is five stories high and consists of five rings of buildings connected by 10 corridors, with a four-acre pentagonal court in the center.

The daytime population is more than 28,000; 70 percent are civilians. There are over 45,000 phones and 200 switchboard operators. Meals are provided by two restaurants and six cafeterias. There is also a bank, a drug store, medical and dental clinics, and other facilities for the convenience of Pentagon personnel.

FROM THE TIME an infant tries to get his toes in his mouth, life is a continual struggle to make both ends meet.

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 farrow 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

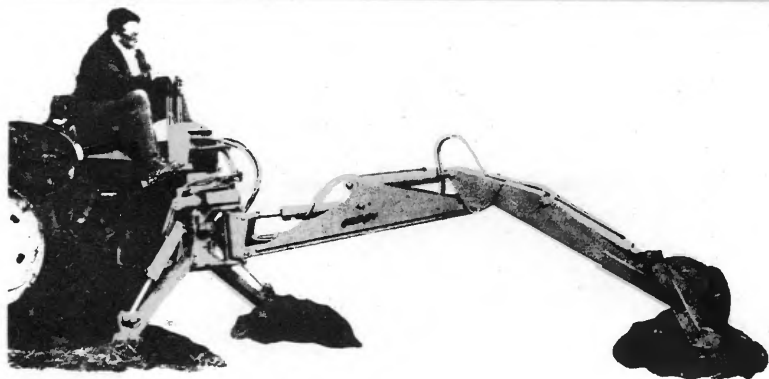
See your dealer or contact us
Write or Call 405 424-2222
(TEPCO, INC.)

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)

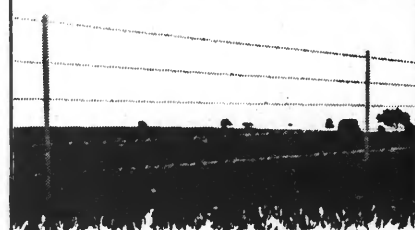


Oaks Mfg. Inc., Oaks, N.D., introduces Model L600—New—Compact—4 Wheel Drive Loader. Hydrostatic Drive—Turns in its tracks—Operation is smooth and easy...and economical to own. Ideal for any job on the farm, construction, factory and warehouse. Various buckets and forks available.

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

Write or Call 405 424-2222 (TEPCO, INC.)

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



Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



Across the manager's desk

The new identification card now carried by all of our employees is for your protection. If someone should call on you and tell you he represents the cooperative, and you're really not acquainted with him, ask to see his identification card. It's in color, has the employee's picture on the face of the card and carries both his and my signature.



R. W. VanderPluym
Manager

Copper wire thieves are at work again. Since they are professionals, they can remove a mile section of line in one night. Report any suspicious vehicles you notice that might be checking our lines. Your lead might be the one we need to catch the thieves who are stealing copper wire all over the state. Watch for any suspicious vehicle, especially at night.

The cooperative's answering service is for emergency calls only. It will accept calls before 8 a.m. and after 5 p.m. Monday through Friday or any time on the weekend. When calling, please give your name and account number and inform them if the entire neighborhood is out of service or just your service. Also include the time your power went off. All of this is important information. When calling in an outage you should report something like this: *This is John Doe, r.r. 1 Carlyle, account number C6-7-6B, and my neighbors and I have been without electric power since 9 p.m.* If you're the only one out, report the same way but as an individual. If you know of something on the lines, wires down, trees over the lines, insulators or poles broken, report these at the same time. This

helps the lineman locate the trouble area quicker and will enable them to restore service much sooner. We had our share of wind and lightning already this year, causing more outages

than we would like. But with your help reporting trouble spots and the hard work of our line crew, we restored service with a minimum of outage time.

HEAT PUMP EXCELS ALL YEAR

The heat pump, much refined in recent years and steadily growing in popularity, performs far beyond the implications of its name, according to the Air-Conditioning and Refrigeration Institute (ARI). Heat pumps cool as well as heat and operate automatically year-round to maintain a constant temperature in the home.

Successful in nearly every section of the country, heat pump installations are found not only in homes but are used to heat and cool schools, motels, stores and industrial plants. In very cold climates, an additional heat source, such as duct resistance heaters, must be added to supplement heat pumps on cold days.

ARI notes a number of advantages inherent in the heat pump, including compact design and the space-saving virtue of outside installation. Operation is exceptionally clean and can be economical. Ninety percent of heat pumps manufactured today and used in residences are covered by the

ARI Certification program, and the display of the blue-and-white ARI Seal indicates accurate capacity rating and reliable performance. Units rated at 135,000 BTU or less are covered by this industry-wide standards program.

The equipment sounds highly complicated, but ARI points out operation is relatively simple. A normal cooling cycle handles the air conditioning: as a refrigerant passes through evaporative coils it expands from liquid to a vapor and absorbs heat from the air; this cool air is then blown by a fan to the space to be cooled. Then the vaporized refrigerant goes through a compressor where it is restored to liquid form, thus releasing heat, which is expelled outside by a fan.

When temperatures decline and heat is needed, the entire process automatically reverses itself and heat is extracted from out-of-doors and moved inside.

A Willie Conserve-A-Tip



Attic temperatures can reach 150°F in the summer. An automatic exhaust fan installed in the attic or gable will remove hot air . . . and make your home more comfortable. It cuts down the cost of air conditioning too!

It pays to conserve energy

CLINTON COUNTY ELECTRIC COOPERATIVE

YOU COULD BE THE NEXT "MISS CLINTON COUNTY ELECTRIC COOPERATIVE"

(Contest to be held in November, 1974)

RULES

1. Entrants must be a member of a family residing in a home served with electric service by Clinton County Electric Cooperative.

2. Unmarried girls between the ages of 16 and 20 are eligible. Entrant must not have 21st birthday before 1975.

3. May be entered only in the contest at the annual meeting held by the electric cooperative supplying electricity to entrant's home.

4. Members of the families of cooperative employees and the

families of the Board of Directors are not eligible to enter contest.

BEAUTY Face 25%
Figure 25%

POISE Posture 10%
Grooming 10%

PERSONALITY Charm 15%
Grace 5%

ABILITY Past achievements 5%
Talent or Domestic Ability 5%



ANNE TIMMERMAN
"Miss Clinton County Electric Cooperative of 1973"

Engraved trophy, sash emblematic of title, \$50 cash for clothing expense at state finals and honor of representing your cooperative (Clinton County Electric Cooperative) in statewide finals at the Annual Meeting of the Association of Illinois Electric Cooperatives in Springfield in August, 1975.

Second place: Matched set of costume jewelry, runner-up ribbon, \$25 cash and to serve as alternate for state finals.

Third place: Ribbon, ladies billfold, \$15 cash and serves as second alternate for state finals.

Dress—Informal clothing. Charm school experts recommend a dress to be simple yet flattering to the face and figure. No hat, medium or high heels. Appearance in bathing suit will be required. Note: At state finals, contestants will be judged in bathing suits and evening dresses.

Instructions—Contestants will appear on stage. Complete details about order and appearance, etc., will be given before contest time.

Registration—Entrants must report to cooperative prior to the annual meeting date to receive instructions.

Time of Contest—Contest

committee of local cooperative will advise you as to what hour of the day contest will be held.

Winner: All-expense-paid trip to the Annual Meeting of the National Rural Electric Cooperative Association, representing the Electric Cooperatives of Illinois in the 1976 "Miss Rural Electrification" contest, trophy and winner's sash.

Second winner: Set of silverware with chest, runner-up sash and to serve as alternate for national contest.

Third place: Two-piece luggage set, third place sash and to serve as second alternate for national contest.

Please Cut Along Line—Attach Photo if Possible and Return to Your Cooperative Office.

TO BEAUTY CONTEST COMMITTEE:

Please accept my entry in the ELECTRIC COOPERATIVE BEAUTY CONTEST.

I agree to abide by the rules set forth herein and I herewith give my permission for the committee to use my picture and name for any publicity purposes in connection with the contest. I understand that if I should win the contest and be unable to serve in the State Finals, an alternate may be selected in the manner described.

Name _____ Address _____

Age _____ Date of Birth _____ Electric Coop. Name _____

Sponsored By _____

I certify that this information is true to the best of my knowledge.

Signed _____

With 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



Cut off the electricity and your life can be drastically affected for several hours.



Cut off your earning power and your life can be drastically affected for years.

Like electricity, good health is something we often take for granted. But just as lightning can suddenly cut off the electrical power, disability can just as quickly cut off your earnings. At a time when medical bills are added to the cost of everyday living, the loss of your income can be especially serious.

Your Disability Income Protection Plan can help see to it that you will have money to live on when you are unable to work because of a covered illness or injury. Underwritten by Mutual of Omaha, this plan can pay you from \$100 to \$800 a month depending upon the plan you choose and qualify for. These are tax-free benefits to help replace your paycheck. You use it on your family's needs as you see fit.

For more information regarding this Disability Income Protection Plan, just mail in the coupon below. Or contact your local Mutual of Omaha representative.



L. Earl Cutler
7600 West Main Street • P.O. Box 965
Belleville, Illinois 62223
Phone: (618) 398-1950

S. B. Stottrup
111 East Decatur • Decatur, Illinois 62525
Phone: (217) 429-5495

A. H. Harris
1119 South Sixth Street
Springfield, Illinois 62705
Phone: (217) 528-3434

W. C. Hayes
407 Rockford Trust Building • P.O. Box 419
Rockford, Illinois 61105

Jack B. Williams
Jack Williams Division: Office
285 South Plazaway
Cape Girardeau, Missouri 63701
Phone: (314) 334-2841

R. L. Thomas
309-10 Bondi Building
Galesburg, Illinois 61401

UNDERWRITTEN BY
**Mutual
of Omaha**
The people who pay...

Life Insurance Affiliate: United of Omaha

MUTUAL OF OMAHA INSURANCE COMPANY
HOME OFFICE: OMAHA, NEBRASKA

Disability Income Protection Plan
Mutual of Omaha • Dodge at 33rd Street
Omaha, Nebraska 68131

Please rush me the complete facts on the Disability Income Protection Plan that can pay me up to \$800 a month in tax-free benefits.

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

FILL OUT AND MAIL TODAY. NO OBLIGATION!

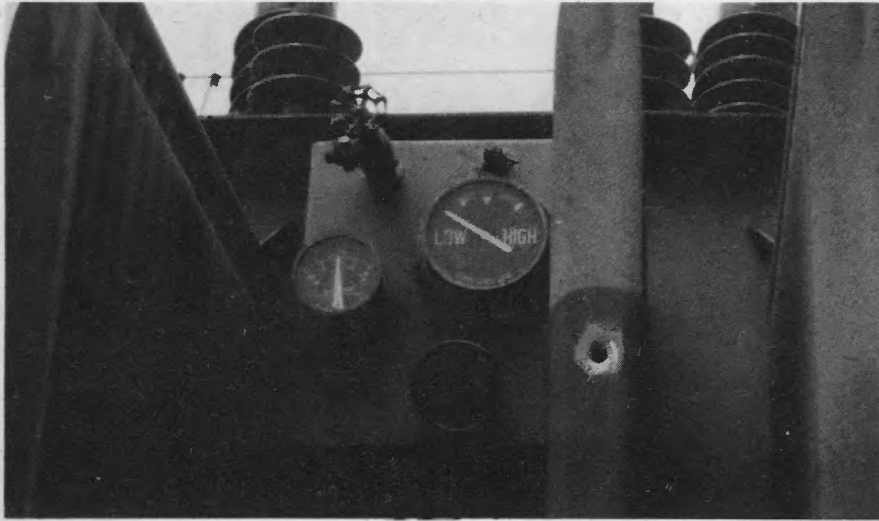
Dept. 2R



Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



A hole shot in the east transformer at the Beckemeyer Substation caused 500 members to be out of power approximately 30 minutes on July 27.

Sniper Causes Outage at Beckemeyer Substation

Because of an alert lineman, Clinton County Electric Cooperative was saved a very large expense and a lot of outage time.

Paul Kuper, lineman for the cooperative, was at the Beckemeyer Substation reading the meter when he noticed someone had shot a hole in the cooling fins of one transformer, causing most of the oil to run out. Oil is vital because it keeps the transformer cool. As you can see in the picture above, the oil gauge is past the low mark. If this would have gone unnoticed, the transformer would have

eventually burned up, causing thousands of dollars worth of loss and numerous hours of outage time. While repairs were taking place 500 members were out of electric power for 30 minutes.

Clinton County Electric Cooperative asks that if you should see someone causing destruction of any of our equipment, please contact the cooperative office. Thank you!

information is part of service

Information on a variety of things dealing with electricity and with your use of it is available at Clinton County Electric Cooperative's office in Breese.

Members can receive information on such things as wiring, appliances, electric heat, insulation, lighting, motor care and selection and many other topics.

For instance, we'll give you information about fuse boxes. Did you know the old 60-ampere, four-circuit fuse boxes in older homes are many times overloaded and obsolete? And that they should be replaced by boxes of 100-amperes or more?

Pamphlets giving information on such matters are available at the office. Stop by at your convenience.

EVEN if you don't like rum cake, you can appreciate the spirit in which it was given.

SOME other will eventually enjoy the fortune you pile up.

1974 Queen Contest

Girls between the ages of 16 and 20 should be sure to enter our 1974 Beauty Contest. Complete details for the contest were published in the August issue of the IREN magazine. If you don't have a copy, contact the Clinton County Electric Cooperative for complete details. Miss Anne Timmermann, our 1973 queen, was named "Miss Congeniality" at the statewide pageant this year.

A Willie Conserve-A-Tip



Mobile home owners can save money, and save energy too. Skirt boards around the foundation help reduce air flow underneath the unit and cut unnecessary heating costs.

It pays to conserve energy

CLINTON COUNTY ELECTRIC COOPERATIVE

The Gross Lamp Shop was established in 1948 in the basement of the home of Leo H. Gross and his wife, Louise, with the purchase of \$5,000 worth of lamp stock.

Since that rather humble beginning, a lot of changes have been made. Besides the two additions to the shop to contain the lamps, business has also been markedly improving.

The shop was started by Mr. and Mrs. Gross buying parts in large quantities and assembling the stock themselves. The Gross' also gave their patrons an exclusive lamp at a reasonable price when they decided to design several of their own lamps.

In 1957, imported lamps were introduced at the shop. These lamps, usually more expensive than the domestic models, were kept within the budget of many more people because the Gross' purchased in large quantities to keep the cost as low as possible.

The exclusive variety of lamps and the 50 percent discount from retail prices, bring in quite a few out-of-state customers. The Gross' attribute this interstate business to word-of-mouth advertising.

The shop has a large variety of lamps and a few are still designed and assembled, as it was done when the store began. Gross is proud to say that with this large stock of lamps, he has not had to raise his prices because of inflation.

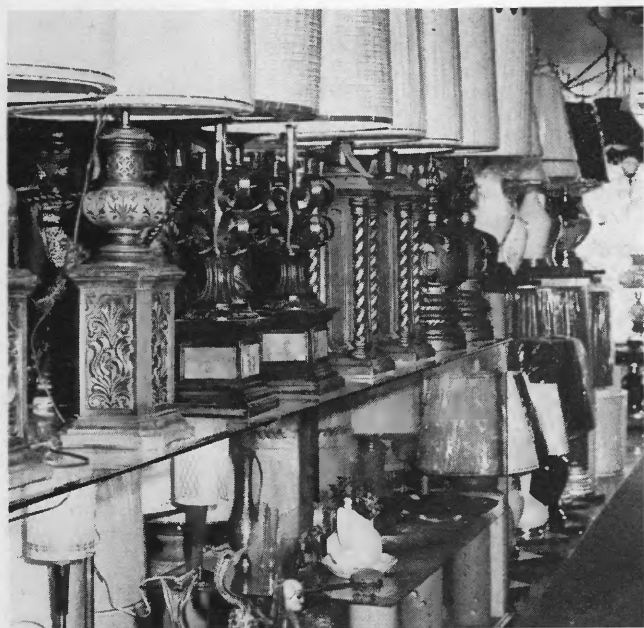
Mr. and Mrs. Gross are now retired but their son, Russell, and two daughters, Beverly and Arlene, continue to operate what has become the family business.

The shop gets its power from Clinton County Electric Cooperative, Inc., at Breese and is located at the east end of Bartelso. If you have a chance, stop in and look around. It is well worth your time if you only look, and even better if you buy.

Gross Lamp Shop



Mr. and Mrs. Leo H. Gross look over some of the lamps which grace their shop.



Many of the lamps in the shop are designed, and the parts assembled, right in the shop. There are also foreign imports.



The Gross Lamp Shop is located just east of Bartelso. You might call it a well-lighted living room, if you thought their shop was a house.

**NEW FURNITURE FOR OLD...
FOR FUN OR PROFIT!**

LEARN UPHOLSTERY AT HOME!

Fact-filled Booklet FREE!

• Turn cast offs into chairs, sofas worth \$100's. No experience needed. We show you how... supply all tools and furniture kits to get started! Fascinating, creative... ideal for spare or full time business.

MODERN UPHOLSTERY INSTITUTE
Box 899 JAR, Orange, Calif. 92669

110 VOLT A.C. GENERATORS

60 cycles. 3000 watts. Wt. 27 pounds. 5"x10". Fanbelt driven from car or pick-up. Operates T.V. all power tools. Over 13,000 in service. This is our 24th year. Guaranteed 6 months. \$115.50 Postpaid while supply lasts.

Our X1200-watt generator needs no battery. Special price: \$95.00 Postpaid. Tool Power@ 500 watts D.C. Installs 15 minutes on any car with alternator. Operates all power tools, charges batteries fast. No belts. \$25.00 Postpaid.

VIRDEN PERMA-BILT COMPANY
P.O. Box 7160IN.
2821 Mays, Amarillo, Texas 79109

If Ruptured TRY THIS OUT

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., 13605 DEPT. 9K**

ICY HOT

Puts Pain To SLEEP

Now for the first time, overnight temporary relief from the pain of arthritis, bursitis, rheumatism, soreness, stiffness. Just rub Icy Hot's creamy balm over the affected joints or muscles, and you can actually feel the pain start lessening. Begin to sleep peacefully again. If you don't have relief in 24 hours we'll refund your money. Not available in stores.

SEND \$3 PER JAR
(For 3½ oz. Jar.)

J. W. Gibson Co.,
Dept. 132
2000 N. Illinois St.
Indpls., Ind. 46202
© J. W. GIBSON CO., 1973



LOOK WHAT GETS YOU:

\$1


ALDENS

ACT NOW!
Quantities limited. Offer good for new customers only.
Offer expires Oct. 15, 1974.

Send \$1 to Aldens, Box 6167
Chicago, Illinois 60680

5829

Name _____
Address _____
City _____ State _____ Zip _____



Aldens new 786-pg. Fall/Winter Catalog plus a \$5 Merchandise Discount Certificate

Clip coupon and see what's new in fashion for 1974. Great new money-saving ideas in furnishings, appliances, outdoor needs too. To get you started shopping you'll also get a \$5 Merchandise Discount Certificate (good with your first order of \$15 or more).

Take this \$4.50 bottle of Spray Perfume for only 25¢

Magic Moments Spray Perfume

Discover how easy it is to earn \$25, \$50, even more a week in your spare time as a Blair Lady. No experience needed . . . you don't invest a penny. Just send us 25¢ in coin and we'll send you your spray perfume plus Blair's money-making kit. Six complete product lines give you something for everyone so profits pile up fast. Save money, too, by buying your own beauty aids and home products at special dealers' prices. Mail coupon today.

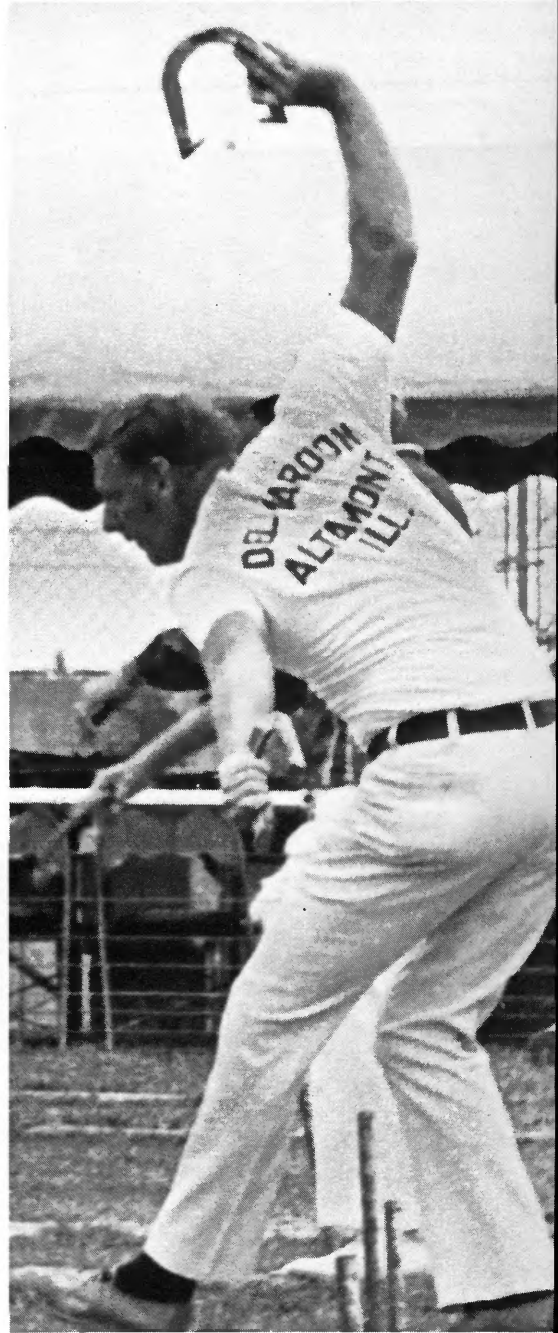
*** BLAIR, Dept. 500 B.T., Lynchburg, Va. 24505**

I enclose 25¢ in coin for shipping and handling. Please send my spray perfume and Blair money-making kit—containing four other Blair products—on approval for 30 days. If I decide this opportunity is not for me, I will return the kit and keep my Spray Perfume plus one other product from the kit . . . absolutely FREE. Or when I send in my first order within 30 days, I keep the entire kit FREE. There's no further obligation, of course.

Print Name Age
Address
City State Zip

140-31-1275





Illinois Style



Horseshoes



Clinton County Electric News

"Low-Cost Power for Our Member-Owners"

CLINTON COUNTY ELECTRIC COOPERATIVE, INC., BREESE, ILLINOIS



Across the manager's desk

Inflation is taking its toll. Material costs are rising faster than we ever anticipated and the future doesn't

look much brighter. Almost all of the materials we use for line construction have tripled, on the average, in cost during the past few years. Just



R. W. VanderPluym
Manager

how long this can go on is debatable, but we hope it will taper off someday soon, before it all comes tumbling down.

It seemed so easy a few years back, when we still had salesmen wanting to bid on poles, crossarms, transformers, wire, etc. Compared to now, when you almost have to beg them to sell you certain materials, and then only if the materials are available, there is normally a six months to one year waiting period for shipment, with no price guarantee. Placing any emphasis on a budget is almost a waste of time.

Our cost for power, plus the distribution cost, has also gone up much more than anticipated. Normally the cooperative's bill would be about 48 percent to 50 percent of our monthly operating revenue, but the last two months it amounted to 58 percent of the total operating revenue.

This happens primarily because of the added fuel clause. When the fuel adder was a mill or less we could absorb it, but now the fuel clause adder is more than two mills and almost three, and it's impossible to absorb.

The fuel clause adder is based on what it cost Illinois Power Company each month to generate electricity with coal or oil or gas over a certain fixed price of coal or any of the

others. When the price of coal, oil or gas changes, and it does almost daily, the price of generation changes with it and these added costs are passed onto us, the buyer.

The coal and oil industry are unregulated and, consequently, can set their own prices. Most of us will agree they've been doing just that.

We're considering the possibility of passing some of this cost on to you, the member, sometime within the next few months. Just what portion we can absorb, and still maintain a margin in the black, is still not known, but we believe an adder of 2 to 2.50 mills per KWH or less would be sufficient.

This doesn't sound like much, but it's something I had hoped we wouldn't have to do. If farm prices would go up as fast as cost of other material things, this wouldn't be a problem. But for some unknown reason, farm prices seem to remain stable—at the lowest prices.

We need to continue to upgrade our system to provide you with the kind of electric service you need and expect. To do this, we need capital. The summer loads this past year were the highest ever recorded by our cooperative and will continue to go even higher in the years ahead. Winter loads have always been high because of electric heating, but now with air conditioning the summer load is even greater. Wire that was strung twenty years ago is now too small, transformers are becoming overloaded and substations will have to be built. All of this is part of growing, but because of inflation, the cost is getting to be prohibitive.

Electricity is still a bargain if you compare it to what you would have to do if it wasn't available. Just imagine purchasing 50 or 100 pounds of ice each day at a cost of about \$2 to \$3.00. This would amount to almost \$60.00 to \$75.00 a month alone just to keep the food from spoiling. Automobiles, tractors, gasoline, farm

A Willie Conserve-A-Tip



Over half the heat that escapes from a house in the winter is lost through windows, cracks and open doors. Take a tip . . . use weatherstripping and caulk those cracks—and keep doors closed.

Conservenergy

**CLINTON COUNTY
ELECTRIC COOP.**

equipment, clothing, food, refreshments, taxes and almost everything we need to survive has gone up in cost, some more than 100 percent.

With our know-how, it would seem that our economical experts could have prevented lots of these rising costs many years ago. They didn't, though, and now it's every man for himself.

We at the cooperative are working harder each day to hold costs down and hope this will have a big bearing on cost of future rates. Except for one small change, our cooperative is operating at the same rate it did in 1941.

ANNUAL MEETING

NOTICE

ANNUAL MEMBERS' MEETING

BREESE PUBLIC HIGH GYM

NOVEMBER 7, 1974

REGISTRATION: 12:30 P.M.

MEETING: 1:00 P.M.

ATTENDANCE AWARDS

BEAUTY PAGEANT

Registration 12:30 p.m.

1:00 p.m.

- Call to Order
- Invocation
- Awarding of Early Bird Prize
- Reading of Notice of Meeting and Minutes of Last Meeting
- President's Report
- Treasurer's Report
- Manager's Report
- Nomination and Election of Trustees
- Adoption of Amendment to By-Laws
- Remarks and Introduction of Guests
- Beauty Contest
- Election Results
- Contest Winners
- Awarding of Attendance Prizes

Names will be drawn from the membership list of the cooperative every 10 minutes for \$25 credit on your electric bill. Member must be present to win. Those members not present will receive six 150-watt light bulbs. Names drawn will be announced and flashed on screen during meeting.

be an early bird!



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

aiec's new



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

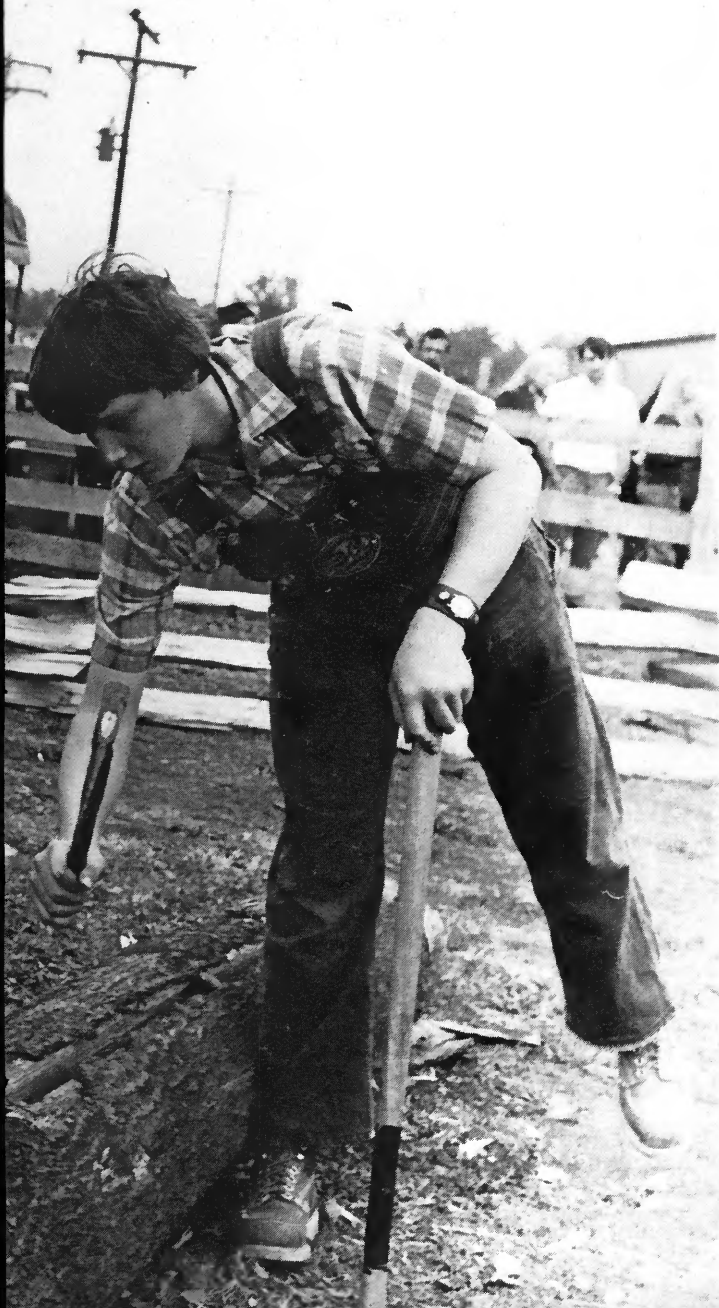
their everyday lives, but today have been forgotten by most people.

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 Pettit 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.





Clinton County Electric News

CLINTON COUNTY ELECTRIC COOPERATIVE, INC.

618-526-7278

BREESE, ILLINOIS



Clinton County Electric Cooperative employees help the city utilities of Carlyle and Breese with the setting of a 70-foot transmission pole.

Proper Equipment Is A Must

The cooperative recently gave a helping hand to Breese and Carlyle utilities. As some of you probably know, the two utilities are combining their efforts in building a new transmission line.

All three parties involved gained from the project. The two city utilities had some of their transmission poles set, and the cooperative had a chance to see if their new Ford Diesel could handle the job.

Without question, the truck came through with flying colors. The huge truck had been on order for over a year, but was finally received this summer.

As you can see from the photographs above, the truck serves a dual purpose. It has a pole digger and a winch to set poles. It also has a basket-boom which enables linemen to perform line maintenance, pole

replacements in hot lines and new service connections.

A new transmission line is in the planning for the cooperative. Thanks to this truck, the job will be much easier.

Give Thanks



Happy Thanksgiving from the Board, Managers and Staff at Clinton County Electric Cooperative

A Willie Conserve-A-Tip

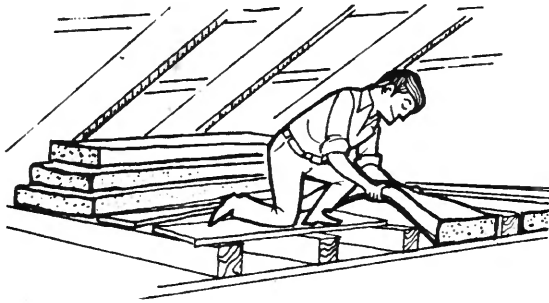


Fireplaces can add an extra special touch to your home, **but** your heating bill will go up if you leave the damper open when the fireplace is not in use. Wind blowing across the chimney will draw heat out of the house. Close the draft!

It pays to conserve energy

What You Can Do To Cut Fuel Needs And Fuel Bills

1. Insulate your home well. It's the most effective thing you can do. With adequate insulation, your home will require only about 50 percent as much fuel as with no insulation. To insulate an existing home, pay attention first to the ceiling, where heat loss is greatest. You can generally insulate the ceiling yourself by laying thick but lightweight fiberglass blankets between joists in the attic floor. If you already have some insulation, more can be added. Consult



an insulation contractor about insulating closed-in ceilings and walls. Choose amounts of insulation by resistance numbers, which tell how well insulation retards heat flow. In new homes, use at least (R-19 6½ inch thickness) in ceilings, (R-11 3 7/8 inch to 4 inch thickness) in walls. Insulation is needed for homes built over open crawlspaces.

2. Use storm windows or insulating glass. Double glass resists heat loss almost twice as well as single glass.

3. Use storm doors. Keep them tightly latched.

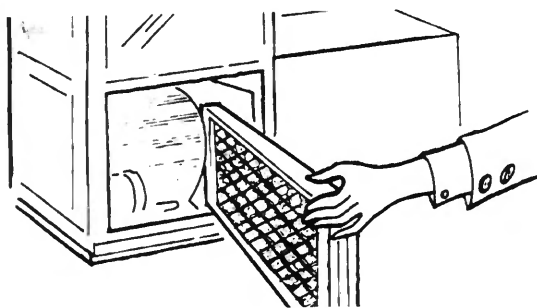
4. Weatherstrip doors and windows to keep warm air in, cold air out.

5. Caulk cracks around the outside of door and window frames.

6. Call in a heating service man to clean and adjust the heating burner and check balancing of the heat distribution system to make sure no room gets more heat than it needs.

7. Clean or replace furnace filters. Dirty filters may severely hinder movement of warm air.

8. Set the thermostat back at night, but only six or seven degrees. A bigger setback will require extra fuel for morning pick-up. Always set the thermostat back if you are



going away for a weekend or longer.

9. Check the location of your thermostat. It should be on an inside wall four to five feet above floor level. Keep it away from heat sources such as TV set or a lamp.

10. Turn off heat in rooms that aren't used. If you have zone thermostats to control your heating, consider keeping bedrooms at a lower temperature during the day.

11. Install a humidifier. When relative humidity is high, you will be comfortable at a lower temperature.

12. Develop good heat conservation habits. Lock windows to pull sash tightly together. Close fireplace dampers except when a fire is burning. Close draperies at night, open them on sunny days.

Adding A New Room?

Expanding or gaining space within your present walls is easiest with the help of electric heating equipment.

It fits most anywhere, needs no chimney connection and can be independent of the rest of the heating system. It is also adaptable for supplementary heat in problem areas.

Electric Wall Panel Heaters

Dial the temperature you want or turn heat off when you don't need it. Electric units fit into the wall or on it. Some have fan circulation. Ideal for baths, utility rooms, basements and entries.

Infrared heaters resemble fluorescent light fixtures or floodlamps. They cast rays that warm people and objects. Fixtures are great for drafty places like basements, garages, patios and pools.

Floodlamps are ideal for baths.

Electric Ceiling Heaters

Switch on instant warmth in the bathroom with a ceiling unit that can include fan and light, as well as heat. Ideal when attic is above.

Electric fireplaces add decorative charm and comfort—no dirty logs, ashes, smoke, soot, chimney. It mounts on the wall and gives fan-forced heat and burning log effect.

HOW TO COOK A HUSBAND

A GOOD many husbands are entirely spoiled by mismanagement in cooking and so are not tender and good. Some women keep them constantly in hot water; others freeze them, or put them in the stew. Still others keep them constantly in a pickle.

No husband will be good and tender if managed in this way, but if properly treated they are truly delicious.

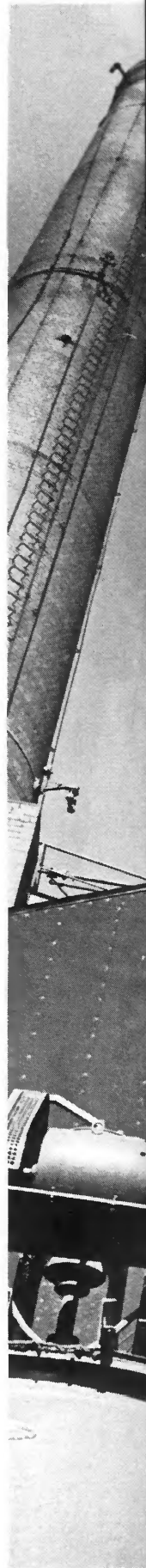
Don't keep him in the kettle by force, as he will stay there himself if proper care is taken. If he should sputter and fizz, don't worry—some husbands do this. Add a little sugar, but on no account add vinegar or pepper. A little spice improves him, but it must be used with judgment. Don't try him with something sharp to see if he is becoming tender. Stir him gently or he may lie too long in the kettle and become flat and tasteless.

If you follow these directions, you will find him very digestible, agreeing nicely with you, and he will keep as long as you want to have him.

Illinois Coal '82

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.

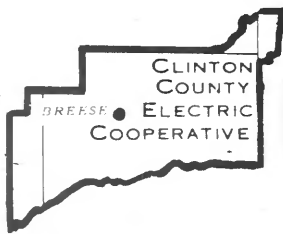
"The mule pulled until it couldn't pull anymore, which made the farmer mad. He lit a fire under the mule to get it going. Well, the mule moved alright. It moved until the fire was under the wagon and the hay was blazing.

"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 . . .





Clinton County Electric News

CLINTON COUNTY ELECTRIC COOPERATIVE, INC.

618-526-7278

BREESE, ILLINOIS



Robert E. Hintz

Line Foreman Dies While Working

Line Foreman Robert E. Hintz, 52, of Carlyle died last month while working with a line crew at a construction site east of Beckemeyer. He suffered a heart attack.

Hintz began employment with the cooperative on October 10, 1946 and had been line foreman since 1964. He was a veteran of World War II, belonging to several service organizations and was chairman of the board of trustees at the First Baptist Church.

Our deepest sympathy is extended to his family. He is survived by his wife, Mrs. Mary Harbison Hintz and one son, Terry, of Edwardsville.

We know that Bob's services will be deeply missed by fellow employees and members alike.

500 PERSONS AT

Approximately 500 persons filled the Breese Junior High School Gymnasium for the cooperative's 36th annual meeting last month.

Besides official cooperative business, the crowd witnessed the crowning of Cindy Woker, 17, of Centralia as "Miss Clinton County Electric Cooperative of 1974."

Officials reported that the cooperative had energy sales of over one million dollars—a new record.

But despite record-breaking sales, the inflated cost of fossil fuels forced the cooperative last summer to implement its first rate increase since its inception in 1939.

"There is no doubt electric usage

will continue to rise for years to come," retiring President Menard B. Luebbers of Carlyle said, "but so will the cost of material and labor."

Luebbers retired from the board effective with this annual meeting after 15 years of service. Luebbers was ineligible for re-election after having moved from the cooperative's system.

In his first report to members as manager, Robert W. Vander Pluym assured that "the cooperative is trying hard to economize without curtailing any of the good and dependable service we think our members deserve."

Here are a few scenes from the meeting:



ND ANNUAL MEETING



ABOVE LEFT: Beauties all in a row. It certainly was hard to pick a winner but finally. . .ABOVE: the judges selected Cindy Woker, 17, of Centralia as "Miss Clinton County Electric Cooperative of 1974." She was crowned by retiring President Menard B. Luebbers.



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-