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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.)

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W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

Why do we use more electricity during the winter months?

For those who may be asking that question, let's list some of the easily overlooked uses:



Lester Aeilts
Manager

1. Holiday cooking and baking for Thanksgiving, Christmas and New Year's meals.

2. More use of lighting because of the shorter daylight period.

3. Most heating systems require use of electric power.

4. Many use electric space heating in their homes and buildings.

5. Heaters for stock tanks and fountains are in use.

6. Engine heaters are in use for cars and tractors.

7. Electric blankets and heating pads are being used.

8. Clothes dryers are used more. And those located in unheated rooms use more energy.

There are reasons other than power usage which creates a higher energy bill. Some of these reasons are:

1. Overlapped meter readings. (An example: reading the meter on the 10th of the month for one month and then the 20th of the next month. This means ten extra power use days, or a billing of 40 days for the month in question.)

2. Errors in meter readings.

3. Failure to get readings in on time.

We have not mentioned your power meter in the above lists because only in the rarest of cases do we find a defective meter. Electric meters are extremely accurate instruments. If one is defective, it is usually defective to the member's advantage. Meters wear with use over the years and any wear causes drag on the unit. Consequently, they slow down and actually read less than they should.

If you feel that your power bill is higher than it should be, please consider the above points. If, however, there is an extreme increase and you cannot justify it as usage, please inspect your wiring system for possible shorts or other problems (stuck thermostats, pumps running continuously, stuck tank heaters, etc.) If you cannot in any way justify the increase, contact your cooperative and we will aid you in finding the solution.

Three Will Win Essay Trip

Western Illinois Electrical Coop. again this year is sponsoring three sophomore or junior high students (two from Hancock County and one from Henderson County) on an all-expense paid tour of Washington, D. C. in June. The students will have earned this trip by successfully competing in the essay contest.

Complete information will be given to all area high schools. Interested students may also contact the cooperative office in Carthage for information.

The three winners from our area will join about 50 other Illinois winners in Springfield in June to board an air-conditioned bus for Washington, D. C.

This tour includes a scenic bus ride across mid-America with stops at various points of interest, including Gettysburg. In Washington, the program will include guided tours of the U. S. Capitol, the Library of Congress, the Federal Bureau of Investigation, the Bureau of Engraving and Printing, Arlington National Cemetery, Lincoln's Memorial, the Wax Museum and other points of interest.

A well-planned, chaperoned tour will enable essay winners to see the nation's capital far better than the average tourist. They will also have a chance to talk with Illinois Congressmen during the tour.





METER READERS

The Rural Electrification Administration recommends that all the meters on a cooperative's system be read on a regular basis. In following their recommendations, we have begun this process. We have started reading the meters of the members served by the Carthage substation. Eventually we will get all the meters read. So if you see someone in one of the cooperative trucks, it's just our regular process of reading meters.

Do Sub-zero Mornings Leave You Cold?

Some people cuss a lot on a cold, winter morning.

Some people bum a ride from a friendly neighbor.

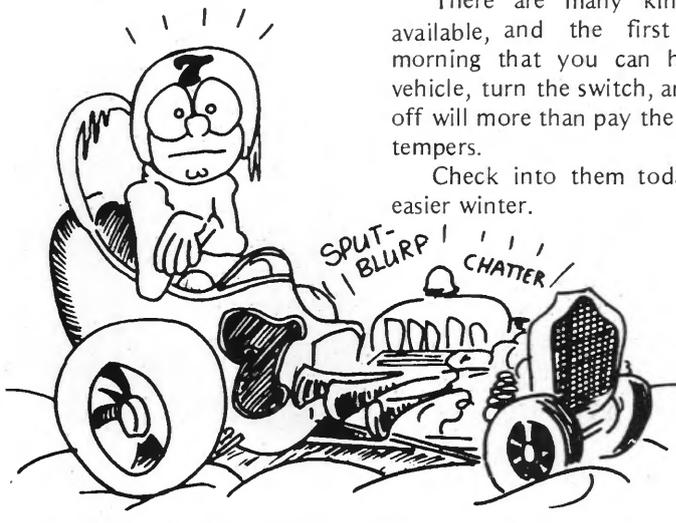
And, some just ignore the futile attempts to get a cold motor started and stay inside where it's warm. (This is frowned on by some employers, or wives who need something from downtown.)

The easy way of overcoming the headaches and long walks that might result from an engine that won't start is to install an electric heater.

And, the small, easy-to-install units are handy to have on tractor and truck, as well.

There are many kinds of units available, and the first below-zero morning that you can hop in your vehicle, turn the switch, and take right off will more than pay the cost in calm tempers.

Check into them today...for an easier winter.



SECURITY LIGHT LETS YOU SEE IN THE DARK

We at WIEC frequently get calls concerning security lights. The following is the policy and procedure for obtaining a security light for your premises.

Security lights can be purchased or rented from the cooperative. In both cases, the cooperative will furnish and install the farm safety light fixture mounted on a mast type arm and furnish a 175-watt mercury vapor lamp. The fixture will be supplied with a photoelectric cell which will automatically turn the light on at dusk and off at dawn.

If a member desires to purchase the security light for \$55, the cooperative will furnish all maintenance required free of charge for a period of 30 months during regular working hours of the cooperative. The electricity for the light will be through the member's

meter and can be mounted on the meter pole or other poles or buildings where electric service is available if approved by the cooperative. A security light will use an average of 100 KWH per month during a year.

A member may also rent a security light for \$3.50 a month for each safety light installed. The cooperative will furnish all the maintenance required during regular working hours of the cooperative. The safety light will be mounted on a meter or support pole provided by the cooperative.

The safety light may be mounted on poles or buildings owned by the member, if approved by the cooperative, and the member arranges for unmetered service at each light fixture location.

The initial rental period is for 12 months and will continue until either party cancels the agreement by 30 day's written notice.

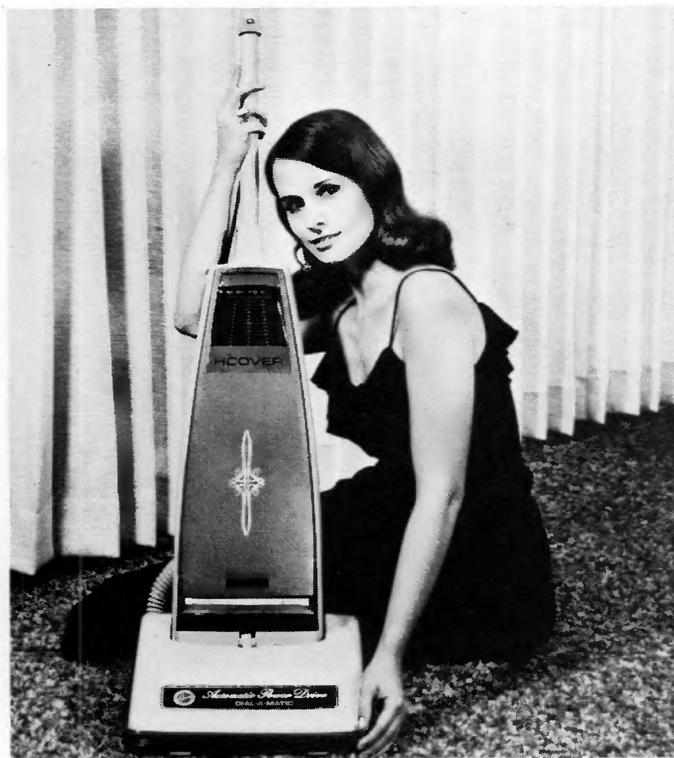
Stop in at WIEC to learn more about the value of security lights.



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
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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).

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\$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

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(N.Y. residents add sales tax.)

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W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

By Lester Aeilts

ENERGY CRISIS

America's rural electric systems began alerting the nation to an approaching energy crisis nearly five years ago. Your rural electrification program came into being to meet another crisis nearly 40 years ago, when most of the countryside was without electric light and power. Today, nearly 1,000 rural electric systems are serving more than 20-million consumers in 46 states, because rural people mobilized their skill and determination to get the job done.



Lester Aeilts
Manager

Five years ago, when we first began alerting the country to an approaching crisis, we pushed for a broad, clearly-stated national energy policy as the first step needed toward solution. We warned that the greatest impact of the crisis would be felt by consumers—in jobs, health and general welfare. We still don't have the energy policy, but we will do our part, and more, to help find solutions for the benefit of all Americans, for our community and for you.

We believe a national policy on energy and resources should be developed without further delay. It must include a massive research and development program, a nationwide power grid system linking the whole country together, a greater pooling and utilization of power resources and much more.

We believe that only by attacking the total problem, not just one part at the expense of another, will we as a nation achieve a workable energy policy.

Cooperation can be counted as one of our most relevant words. There is literally nothing in this world which people cannot accomplish through it. Without cooperation in marketing, supply and business services, farmers would have great difficulty succeeding as isolated, individual businessmen. Without rural electric cooperatives, much of rural America would still be dark or the cost of power would be prohibitive. The cooperative form of business is the best kind of free enterprise. Through cooperatives, people of ordinary means can play a role in business ownership, and, to the extent they are successful, can share the savings of their business while having something to say about the kind of quality of service provided. This is putting the economic power in the hands of the people—just where it belongs.

People come first with us at WIEC. We know how dependent our consumers are on electric power. More and more appliances have been added in each home each year, until even an outage of but a few hours duration presents a real hardship for many, if not most, of our rural people.

In this period of energy crisis, we do not want to suggest that you stop using some of your electrical appliances. Instead, we would rather say, "USE ALL THE ELECTRICITY YOU NEED, BUT DON'T WASTE ANY." In this way you will be helping to conserve fuel and at the same time reduce your own monthly electric bill.

WHY DO WE REMIND YOU TO CONSERVE ENERGY???? Because we think you care as much as we do that the versatile power of electricity will always be available—to do important things around the home and farm that make the day's work less tiring, to operate life saving medical equipment in rural area hospitals, to light the schools your children and grandchildren attend and to power the industries that develop sites and inject

new economic life in your area. We think you care enough about those things to preserve some of the power that makes them possible. That's why we remind you to conserve electricity. It is just too valuable to waste.

ENERGY & FOOD

Everywhere you turn you hear about the energy crisis and increased food costs. These two items are hashed about and much is said about them, but nothing concrete develops from the conversation usually. However, the time has come when something must be done.

The Federal Power Commission has issued an order for reduction of energy sold by all utilities. This can be done in only one way, by starting with the consumer. All problems are solved at the grassroots level.

Putting high priority on the proper use of home appliances will both cut food costs and save energy, killing two birds with one stone. Buying bargains in quantity and freezing them, innovate use of left-overs, being your own "middleman" and cooking from "scratch" in large quantities are among the top tips offered by appliance home economists.

A freezer can be a big money saver if you watch for bargains, buy food in quantity and freeze it for later use. It's a good idea to put packages in "portion size." Then you don't have to thaw more than you need at one time which will result in savings.

Home economists say day-old baked goods are actually improved by freezing--thawing adds moisture. They're often lower-priced, too. A little jam added to bargain doughnuts out of the home freezer can convert them into low-cost jellied doughnuts. The kids can even have their choice of flavors.

It costs no more to operate a full freezer than a half-full one, and a full freezer helps in many ways to add variety to economy meals. Don't waste freezer space storing bulky, cheap items such as ice cubes, etc.

SAVE ENERGY

INSULATE

Because of reported fuel shortages and rising prices, many WIEC members are considering changing their existing homes and businesses to electric heat. There is great concern as to the insulation values in these existing homes. We find that many times homes and businesses do not have the amount of insulation that will provide for the most comfortable and economical operation of the heating system.

The only way to insulate an existing home, without tearing off the inside plaster, is to blow insulation into the side walls. When cellulose insulation is properly blown into the side wall, it will not and cannot settle in the walls.

Cellulose insulation has been tested and shown to be every bit as effective as other types of insulation in keeping heat in and cold out.

Cellulose insulation is manufactured by defibering recycled

newsprint and then adding chemicals which reduce as much as possible sound transmission, moisture absorption, corrosive properties and starch composition attractive to vermin. These chemicals also increase fire resistance.

The final product is in a loose form which can be blown through a hole as small as five-eighths of an inch into the area to be insulated.

After the insulation is installed, the hole through which the insulation was blown can be plugged with a special cap.

A home that is properly insulated with cellulose insulation uses 50 percent to 70 percent less energy to heat and cool it than a home with inadequate or no insulation.

When converting an existing building to electric heat, additional insulation and electrical service capacity is usually needed.

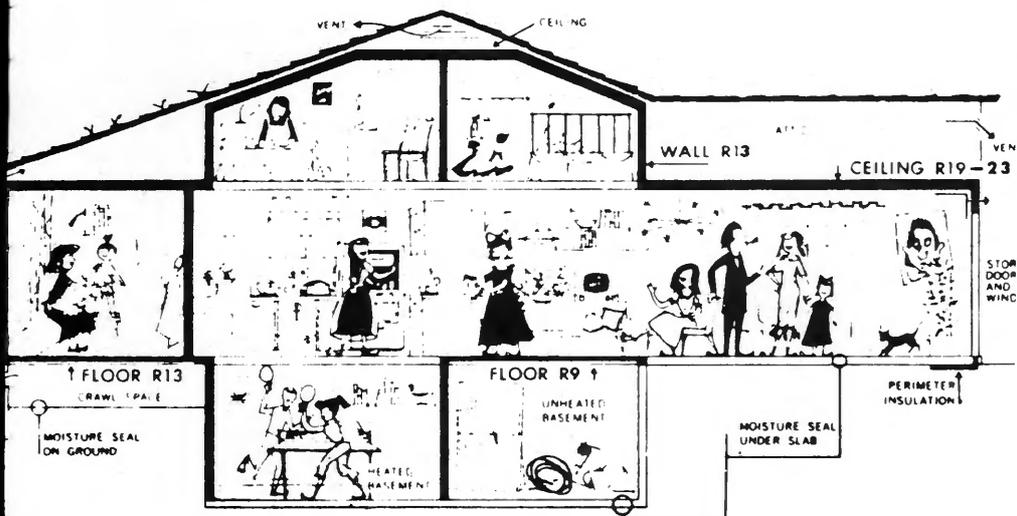
The drawing on this page contains helpful information on insulation.



© NRECA

SPECIAL MESSAGE OF INTEREST TO WIEC MEMBERS

Effective January 1, 1974 WIEC put into service a new call diverter system in order to serve you, the members, more efficiently. This system will transfer all after-hour calls to employees' homes. All you have to do is call the WIEC office number which is 357-3125. This service requires you to remember only one number. When you call after hours you will get a recording asking you to hold on while your call is being transferred, so PLEASE DON'T HANG UP. We believe this system will improve the service we can provide to you in getting your power restored when an outage occurs.



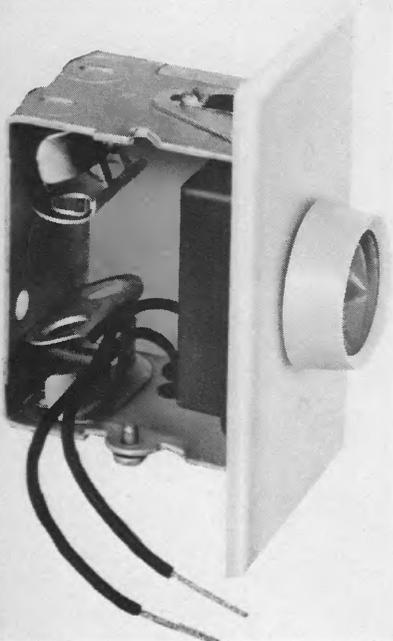
ABOVE: This drawing sets forth the insulation recommendations for ceiling, walls and floors. When purchasing batt-type insulation, check the 'R' factor. The higher the 'R' factor, the better the insulation. Recommended 'R' factors for electric heating are: Ceiling, R-23; Walls, R-13 and floors, R-13.

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 3/4 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.
 - * You exercise 7,000,000 brain cells.
- Do you feel tired?

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.

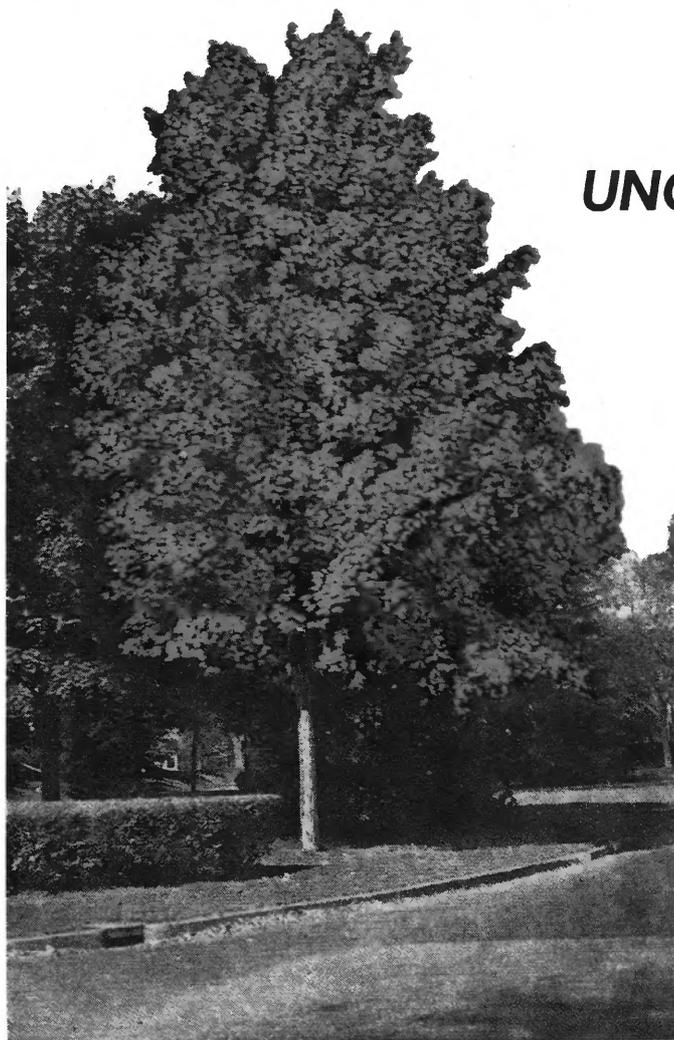
"Eventually I'd like to have a facility which would handle a 125-cow milking herd," Schewe said. "And to comply with new ideas in environmental protection, it would be a deodorized unit so the wind wouldn't carry the scent of the barnyard. But to set up such an operation, it would require an additional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

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 _____

W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

By Lester Aeilts

It seems the two main topics of conversation these days are the energy crisis and rising prices. There may be a few other minor topics such as the weather and Watergate, but I need to use the space I have in this column on the first two topics this month.

It has been the general philosophy of electric rate making to expect the increase in usage of electricity to cover the increased cost of providing service each year. This worked out for many years. In fact, there was a 10-year



Lester Aeilts
Manager

period when there was no change in WIEC rates. There were modest increases in wages and cost of equipment and material, but the increased use of electricity was great enough to overcome the increase in costs. During those years, about one-third of the revenue for the electricity sold to WIEC members was spent to purchase the wholesale electricity.

WIEC members have always been good supporters of their electric cooperative and have used electrical energy in greater and greater quantities. This is still true. In fact, electrical usage is increasing at a faster rate than ever before. The cost of wholesale power, material and equipment is rising at a much faster rate than ever before and, therefore, rates need to be increased in an attempt to keep up with the spiraling costs.

Your Board of Directors had no alternative but to pass on to you the five percent utility revenue tax which

has been included in the rate schedule in past years. Your cooperative has experienced rather marked increases in wholesale power costs, which are being passed on to you in the form of a wholesale purchased power cost adder, which this year has been set at three mill as compared to two and one-tenth mill during 1973.

Even with these costs being passed

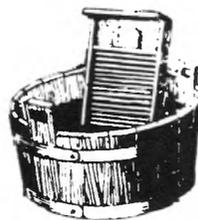
on to you, the wholesale cost of power will approach one-half the revenue WIEC will receive for the sale of electrical energy.

We don't know how high these costs will go, but we are doing everything we can to become more efficient in our operation and yet provide the service you have come to expect from your electrical cooperative.

The increases I have just mentioned will be reflected in the new rate charts that will be provided in the new supply of billing material to be sent to you in time for your April 25 meter reading.

GRANDMOTHER'S RECEET FOR DOING FAMILY WASH

Husbands, the next time your wives complain about doing the family wash, show them this. It was "Grandmother's Receet" for washday, back in those days before modern laundry equipment was available.



1. bild fire in back yard to heet kettle of rain water.
2. set tubs so smoke won't blow in eyes if wind is pert.
3. shave one hole cake lie soap in billin water.
4. sort things, make three piles. 1 pile white. 1 pile cullord. 1 pile work britches and rags.
5. stur flour in cold water to smooth then thin down with billin water.
6. rub dirty spots on board. scrub hard, then bile. Rub cullord but don't bile—just rench and starch.
7. take white things out of kettle with broom stick handle then rench, blew and starch.



8. spred tee towels on grass.
9. hang old rags on fence.
10. pore rench water in flower bed.
11. scrub porch with hot soapy water.
12. turn tubs upside down.
13. go put on cleen dress—smooth hair with side combs—brew cup of tee—set and rest a spell and count your blessins.

Gals, hang this up above your automatic electric washer and dryer and, when things look bleak, read it again.

YOUTH TOUR 1974

The Board of Directors of WIEC again voted to sponsor the "Youth to Washington" Essay Contest sending three high school students on an all-expense paid trip to Washington, D. C., for one week, June 8-15, 1974. One student will be chosen from Henderson County and two students will be chosen from Hancock County.

The trip is well planned and chaperoned and is a wonderful opportunity for students to see our government in action in the nation's capital. The tour is both enjoyable and educational.

Any high school Sophomore or Junior enrolled in a high school in the service area of Western Illinois

Electrical Coop. may enter. High schools included are: Carthage, Dallas City, Hamilton, LaHarpe, Nauvoo-Colusa, St. Mary's Academy (Nauvoo), Southern (Stronghurst), Union (Bigsville) and Warsaw. Contestants' parents need not be members of Western Illinois Electrical Coop. Previous winners, children of the Board of Directors and employees are not eligible.

Contestants will submit an essay not to exceed 500 words on the topic, "What My Family Can do to Help the Electrical Energy Crisis." Essays will be judged by not less than three judges, who will review and select the six best essays from Hancock County

and the four best essays from Henderson County for final judging. Final judging will take place at two banquets in April hosted by WIEC.

The essay must be typed on 8½ x 11 inch paper, double spaced, one side only. Teachers may correct spelling, punctuation and grammar.

Entry must be mailed to Western Illinois Electrical Coop., 524 N. Madison Street, Carthage, Illinois 62321 by March 29, 1974. Information is available from English teachers and/or principals in the high schools mentioned and also from WIEC. **DON'T DELAY**—enter now for a chance of a lifetime.





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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.*

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Address _____

City _____ State _____ Zip _____

Wife's Age _____ No. of dependent children _____

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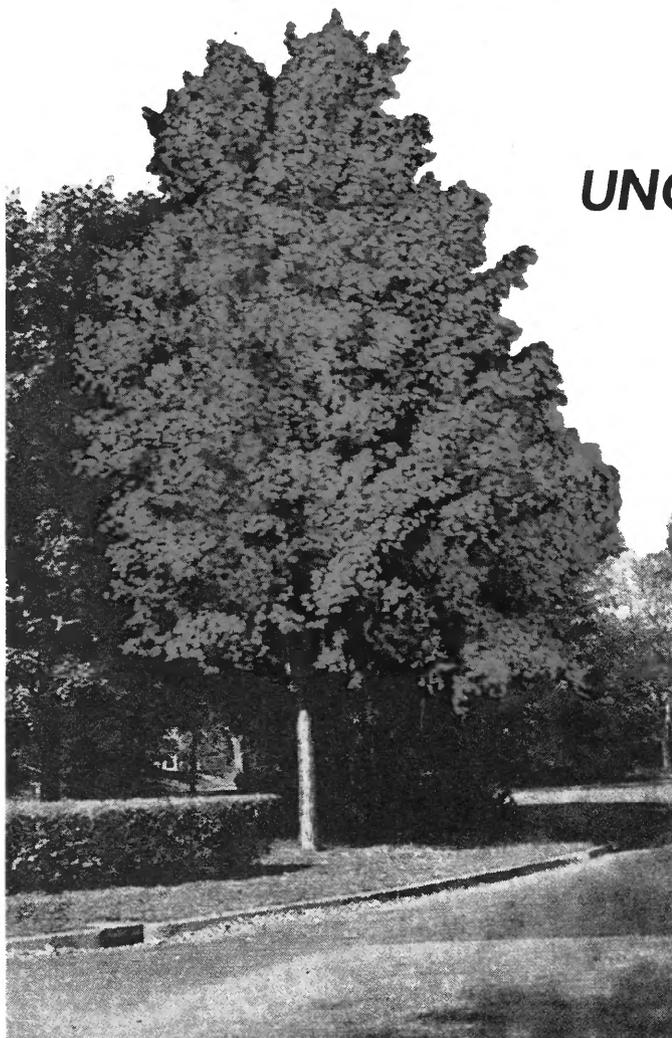
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ILLINOIS RURAL ELECTRIC NEWS



Actual unretouched photograph of a five year scarlet maple.

UNQUESTIONABLY THE MOST BEAUTIFUL FAST GROWING SHADE TREE IN AMERICA TODAY

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

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

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

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

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

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

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

TWO WAY GUARANTEE

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

OUR CHALLENGE TO YOU

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

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P.O. Box 712-C

McMinnville, Tenn. 37110

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- | | | | |
|--|---------|--|---------|
| <input type="checkbox"/> 1 Shade Tree | \$ 4.49 | <input type="checkbox"/> 4 Shade Trees (Save \$6)..... | \$11.98 |
| <input type="checkbox"/> 2 Shade Trees (Save \$2)..... | \$ 6.98 | <input type="checkbox"/> 8 Shade Trees (Save \$12)..... | \$21.98 |
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I enclose \$ _____ in cash check money order

Name _____

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W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

By Lester Aeilts

DON'T NEGLECT YOUR ELECTRIC MOTORS

While an electric motor is one of the most efficient machines known today and will operate with a minimum of attention, systematic care means not only fewer motor failures, but lower repair costs. A number of common enemies to motors are set forth below:

DUST STRAY OIL
MOISTURE FRICTION
MISALIGNMENT VIBRATION
OVERLOAD

Electric motors are often the most neglected items in the entire



Lester Aeilts
Manager

mechanical inventory of the average farm and home. They require little attention so it is sometimes easy to forget them entirely.

This neglect may often cause some critical situations and economical embarrassment.

Many small motors in use on the farm are the open housing type. Openings at the front and rear of the motor housing allow a fan on the shaft to pull air through the motor to cool it. This may force cobwebs, chaff, dust, insects, weed fuzz and other foreign matter between the housing and the motor. Most of this blows through but, in time, enough may cling inside to foul up the centrifugal

switch and burn out the starting windings in the motor.

Most induction motors feature a starting winding and a running winding. The starting windings are coils of light gauge wire. Their purpose is to start the motor shaft turning. After a certain speed is attained, the starting winding is automatically disengaged. At this point, the heavy gauge running coils take over the motor load.

The starting windings are only in the circuit for a second or two and then the centrifugal switch cuts them out. If left in the circuit too long—because of a fouled centrifugal switch—they may burn up because of their light gauge wire.

A centrifugal switch is usually made up of two or more weights hugging the motor shaft under spring tension. As the motor starts and gains speed, these weights swing out and snap off the current to the starting windings.

Centrifugal switches are generally located opposite the pulley shaft. They may be inspected by pulling off the bell housing from that end. In some cases, it just requires removing a cap.

A strong jet of air from an air compressor or vacuum cleaner is a good way to clean any part of an electric motor.

After blowing the dirt from a motor, it is wise to check the bearings on each end of the shaft. If they are of the sealed ballbearing type, they may need to be replaced. This is especially true of the pulley end of the shaft.

If the motor has sleeve bearings, look for wear and excessive end play. If okay, lubricate with a few drops of Number 20 oil. Too much oil ruins more motors than the lack of it.

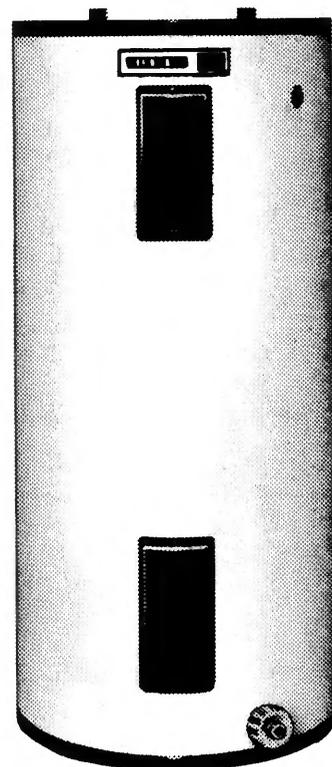
Never oil or grease a centrifugal switch, it will gum up that much faster.

IS YOUR WATER HEATER WORKING EFFICIENTLY?

Water heaters are sometimes the culprits of excess use of electricity. This could be caused by "stuck" thermostats, faulty and broken elements or elements that have been buried in lime or calcium buildup or water heaters that are just plain worn out.

WIEC has a good supply of double element, quick recovery water heaters on hand.

The cooperative will install these water heaters at a minimal cost to members. Call WIEC now for a new, efficient and modern electric water heater.



Glass Lined
Double element
Five year warranty on tank
Fiberglass Insulation
Protective magnesium rod
Steel Tank
Special-intake tube

STANDARD MODELS

SE 40	40 gal.	\$69.00
SE 52	52 gal.	\$78.00

TABLE TOP MODELS

T40 FD	40 gal.	\$98.00
T50 DF	50 gal.	\$102.00

LOW BOY MODELS

LE 40D	40 gal.	\$71.00
LE 50D	50 gal.	\$81.00

MODIFIED "A" FRAME . . . "because it is functional"

For Mrs. Wanita Doyle of rural Nauvoo, a change of surroundings didn't change her interests, it just intensified and broadened them.

Her major interest is junk.

Mrs. Doyle, who with her husband, William, and their son, Bill, Jr., moved to Illinois from Colorado along with her two sisters and their families, is a believer in the idea that the only thing which is really junk is something that can't be restored.

And she finds very few items that don't have at least some potential.

It's not unusual to see a discarded jug or bottle become a planter or wall decoration, or even a tree limb become a place for hanging ornaments made from refuse.

"I like to take things nobody else wants and make something either decorative or useful out of them," Mrs. Doyle said. "Let's face it, I just like junk."

In addition to restoring old articles, Mrs. Doyle also collects pewter and some antiques. Presently, she has several pieces of pewter that are over a century old, a theater seat salvaged from a Minneapolis theater and a stove built around 1910 which is still in use today.

The pride of her collection is probably a Washburn potato-bud mandolin. It is both the most valuable and unique item in her collection.

The Doyle's live in a modified "A" frame home set on a bluff overlooking the Mississippi River. Electricity is provided by Western Illinois Electrical Coop., Carthage.

"We chose this type of home because of our Colorado background, but also because it is functional," Mrs. Doyle said. "Because of the sloped roof, snow just slides off and we think it is easier to heat."

Neither interior nor exterior decoration has ever been a problem for Mrs. Doyle. She enjoys working with rocks and has rock-facing on the outside of the house as well as walls in some of the rooms. The kitchen cabinets were refinished from old cabinets she found.

APRIL 1974

Moving to Illinois has affected Mrs. Doyle in one way. She is now an avid birdwatcher. "Colorado just doesn't have the variety of birds I've seen here," Mrs. Doyle said. "There are still some bald eagles here along the river and I'm beginning to spend a lot of time watching them."

Mrs. Doyle said she is very satisfied with her electric service and with her modified "A" frame home. For the future, she plans to keep working at collecting junk and enjoy her new surroundings.

"We all like the area very much," Mrs. Doyle said, "but where I live isn't that important. I could make my home just about anywhere, as long as I could make it the way I want it."



Mrs. Doyle tells about how she enjoyed "face-rocking" the wall behind her "pot-belly" stove. Note the brass kettle she has on top of the stove.



The rock facing on the lower half of the house and the rock wall were done by Mrs. Doyle. The home is all-electric. The chimney is for the "pot-belly" stove which is another piece of Mrs. Doyle's collection.



Bill Doyle, Jr. is a collector also. His prize possession is his stereoscope. I'm sure many WIEC members have spent many hours with a similar device.

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.

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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 _____



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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



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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.

W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

By Lester Aeilts

We have had a few occasions recently when a member has been charged for an overtime service call. In each case he didn't think he should be charged at all or he felt like he had



Lester Aeilts
Manager

been charged too much. This usually happens when a member has a service interruption which he thinks is caused by the failure of the cooperative's equipment. If this

happens during the time when the office is closed, the service men will receive a minimum of two hours overtime pay. If it turns out the problem is in the member's wiring instead of the cooperative's equipment, the member is charged for the trip and time.

When we receive a call of this nature we try to explain to the member that he will be charged for the trip if the problem proves to be in his wiring. Two of the most frequent problems in member wiring are blown main (cartridge) fuses or meter pole breakers tripped or burned up.

In recent months, we have set standard charges for these trips, which include the time in transit and the first 30 minutes on the job, in an attempt to recover part of the cost. It is also an attempt to equalize the cost of all members no matter where they live in the service area. The charge for an overtime service call for two men, as described above, is \$30.00. You may wonder why we send two men. We do this because of the danger involved

when working on high voltage lines.

We realize this seems to be a high price to pay for replacing a fuse or tripping a breaker and we agree, but we don't know how to handle the situation any better. In an attempt to assist in helping members determine

whether the trouble is in their own wiring or the cooperative's equipment, we plan to schedule several training sessions next winter to instruct members in determining where the trouble is and how to correct it should it be in his own wiring.

LABOR CHARGES

In order to serve you better and to give you more specific information, we have devised the following labor charges for work done for members:

Regular Time	First 30 minutes or part thereof*	Next hour and thereafter**
One Man	\$ 8.00	\$ 7.00
Two Men	13.00	13.00
Overtime		
One Man	\$22.50***	\$10.50
Two Men	30.00	19.50

*Included time in transit and mileage. May also be called—Service Call.

**May be divided in ½ hour increments. If less than 15 minutes—drop it, if 15 minutes or more, add ½ hour.

***Includes mileage.

\$15.00 labor charge for installing a new or used 50, 100 or 200 amp. meter loop overhead or underground or 400 amp. pole top disconnect, or a trailer loop.

\$7.50 labor charge for increasing a 100 amp. loop to 200 amps.

\$8.00 labor charge for changing breaker(s)—does not include price of breaker(s).

AFTER HOUR CONNECTS AND RECONNECTS

Connects—\$25.00 flat charge.

Reconnects—\$25.00 flat charge (\$10.00 extra—if the service was disconnected for period of less than one year if the same party requests it be reconnected).
\$50.00—connect or reconnect—if transformer needs to be hung.

These rates went into effect March 1, 1974. If you feel that you have been unjustly charged please notify the WIEC office and we will check our records and calculations.

ELECTRIC BOILER KEEPS HOGS WARM

Regardless of adages to the contrary, there are times when the easiest way also proves to be the most profitable.

Ralph Froman, who along with his father-in-law, Frank Kennedy, farms 320 acres one mile south of Hamilton, believes the easiest way to run his hog confinement operation is with electricity and just a little innovation.

Froman's confinement building, recently completed and measuring 140 x 30 feet, has room for approximately 450 hogs of the 1,000 to 1,200 raised each year. The building is divided into stalls, each stall measuring 16 x 26 feet and holding between 35 and 45 hogs.

Unique to the building is its heating system. Froman has installed an electric boiler in the floor which provides for continuous circulation and the heat for the winter months. He also has installed fiberboard insulation.

Along with the heater, he has installed a water and medication proportioner which also operates through the floor. For drainage, the floor is sloped. Each aspect of the confinement building is designed to provide the most efficient use of space, electricity and time.

Combined with the building are outside bins filled with corn which Froman uses for feeding the hogs. He has installed an electric grain dryer and a grinder which is capable of injecting protein into the feed.

Inside, the hogs are fed by an overhead auger. Each feeder is lined up so the auger will fill one, then automatically move on to the next feeder.

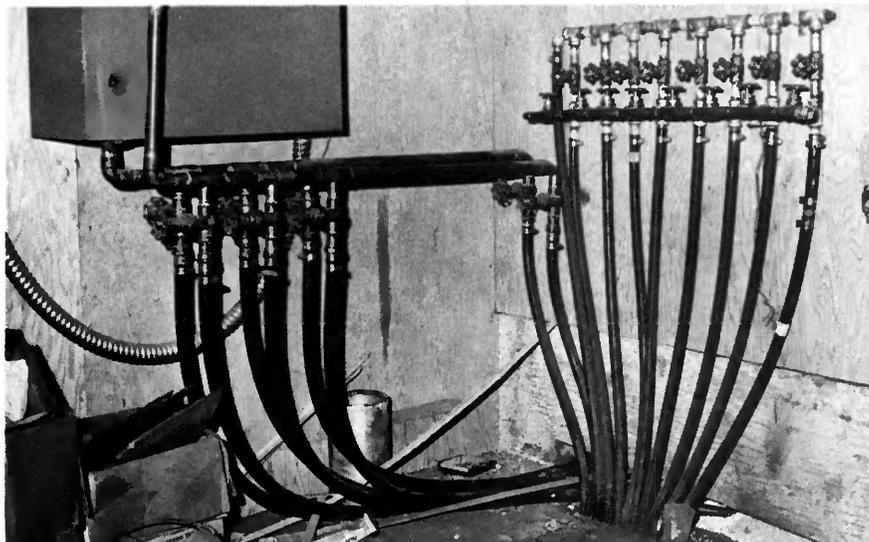
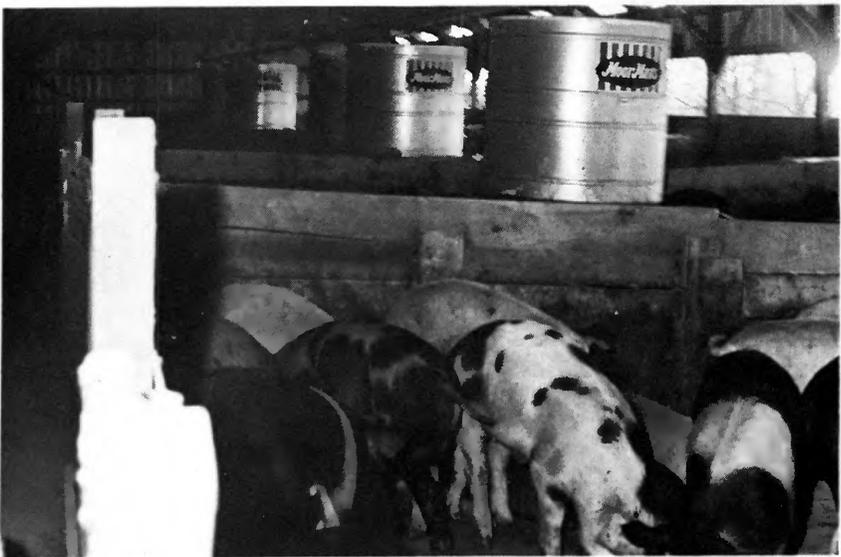
"I had a lot of trouble getting to

the hogs last winter," Froman said, "so this year I decided to make things a little easier."

Eventually, Froman intends to double his confinement operation with an identical building so he will be able to accommodate his entire herd. How soon this is done, according to

Froman, depends on the cost of building materials and the market price of the hogs themselves.

"I am well satisfied with the building itself and with the electrical service provided by Western Illinois Electrical Coop.," Froman said.



TOP: Froman explains how the compact electric boiler works very efficiently to keep the floor warm. ABOVE: This is a partial view of the interior and one of the pens in the building. Note the auger-feeder system which automatically moves to the next feeder when one is filled. LEFT: The electric boiler keeps the floor warm during the winter months. The waterer and medicator is at the right.

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, Steepleville; 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 Co-operative, 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 Co-operative, 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



W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

By Lester Aeilts

Some people say Friday the 13th is a bad luck day. Others may feel April 13, even though it came on a Saturday, was still unlucky. It was the evening the tornadoes tore through Hancock and surrounding counties. Even as unlucky as some people were as far as their property was concerned, at least there was no loss of human life.

WIEC members were very understanding. As we worked to restore service the phone calls started out quite slow, in fact for 20 or 30



Lester Aeilts
Manager

minutes we thought there was only one farm out of electrical service. Then the phone calls started to flood the office phones. Two of us were trying to take the calls, when

suddenly the office lights went out. We stopped answering the phones long enough to start the emergency generator. The tornado had torn down several structures of a 138,000 volt transmission line east of Plymouth that carries the power to WIEC's Carthage substation. We were fortunate because, when CIPS was able to get us switched to another circuit, all of WIEC lines picked up their load. This relieved our crews of the need of working in the east one-half of the county and we could concentrate our efforts on restoring service in the Warsaw area.

The line crews reported excellent cooperation from members as they worked on through the night. I would like to take this opportunity to express my appreciation to members and crews alike. This kind of outstanding cooperation is what makes it such a

pleasure to work with, and for, such fine people.

We were all saddened at the unexpected accidental death of Dick Ault of Dallas City. We had worked with Dick on several occasions and came to respect him as a fine craftsman in several trades. I am certain he will be greatly missed by his family and friends, as well as the many people who have come to appreciate his abilities and service to them.

NEW POLICY ON METER TESTING

A new policy concerning meter testing was adopted at the meeting of WIEC's Board of Directors on April 5.

The new policy states that the cooperative, in addition to its regular maintenance checks, will make additional tests or inspection of its meters at the request of a member, but reserves the right to make a charge sufficient to cover at least a part of the expense involved when such test reflects the meter to be correct within three percent (3%). The sum of \$10.00 will be charged for each such test, IN ADVANCE.

When a meter fails to correctly register the amount of electricity consumed during any period, the adjustment of the bill shall be based on the percent the meter is found to be in error in excess of three percent (3%). A maximum of six months shall be used in any adjustment, depending entirely upon the record of past consumption, and the meter test charge will be returned.

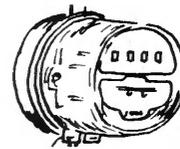
The cooperative shall have the right, at its option and at its expense, to place special meters or instruments on the premises of a member for the purpose of special tests of all, or any part, of the member's load.

HELP US KEEP YOU SAFE

Most of you by now are probably familiar with, or at least have heard of, the Occupational Safety and Health Act (OSHA). The guidelines of OSHA are very stringent and must be followed closely. If the guidelines and regulations are not followed, severe penalties can and will be imposed.

We at WIEC need your help in following these guidelines. OSHA, Sub part 1,1910.135 states the following: "Occupational Head Protection — Helmets for the protection of heads of occupational workers from impact and penetration from falling and flying objects and from limited electric shock and burn shall meet the requirements and specifications established in American National Standard Safety Requirements for Industrial Head Protection, Z89.11969."

What we are asking is that when employees of WIEC are working on overhead lines on your premises, please stay back at least 50 feet from where they are working. We are asking your cooperation in this matter so that we do not have to carry extra "hard hats" or barricades to keep observers at a safe distance from our work area. We are all curious observers, but please don't cause our men to have to "close down" a job because members are too curious. We would appreciate your help in this matter.



to a meter

Little meter on the pole
Ain't you got no heart or soul?
Through the month out there you squat
Recording every kilowatt.

Sometimes without regard to season
Your speed seems to be out of reason
But statistics from the past
Show that you are rarely fast.

But even if you are not living
Accurate answers you keep giving,
And what is shown upon our bill
Is what we ought to pay

ILLINOIS RURAL ELECTRIC NEWS

★★★★★



★★★★★

the "broken e"

The United States Department of Agriculture is using a star studded "broken e" symbol, indicating a break in energy in its energy conservation campaign. The education-information campaign is aimed at both consumer and farmer, alerting them to energy-conserving steps they can take. You will see the symbol appearing alone, in slogans, on publications and on auto stickers. It certifies that the user is aware of the energy problem and is cooperating in conservation activities which can range from car tuneups for more fuel efficiency to keeping the thermostat turned down.

TORNADO SEASON

Although a tornado may strike at any time of the year, the worst months in our area are April, May and June. There is no way to predict how many tornadoes we will have this year but, if the recent trend continues as it has in the past, we will have more than we had last year.

Nationwide, there were 1107 sightings compared to 652 in 1970. Illinois, with 58 sightings, was one of the states with the record number. Even with these statistics, the loss of life has decreased from an average of 179 during the 1940s to only 87 in the year 1973.

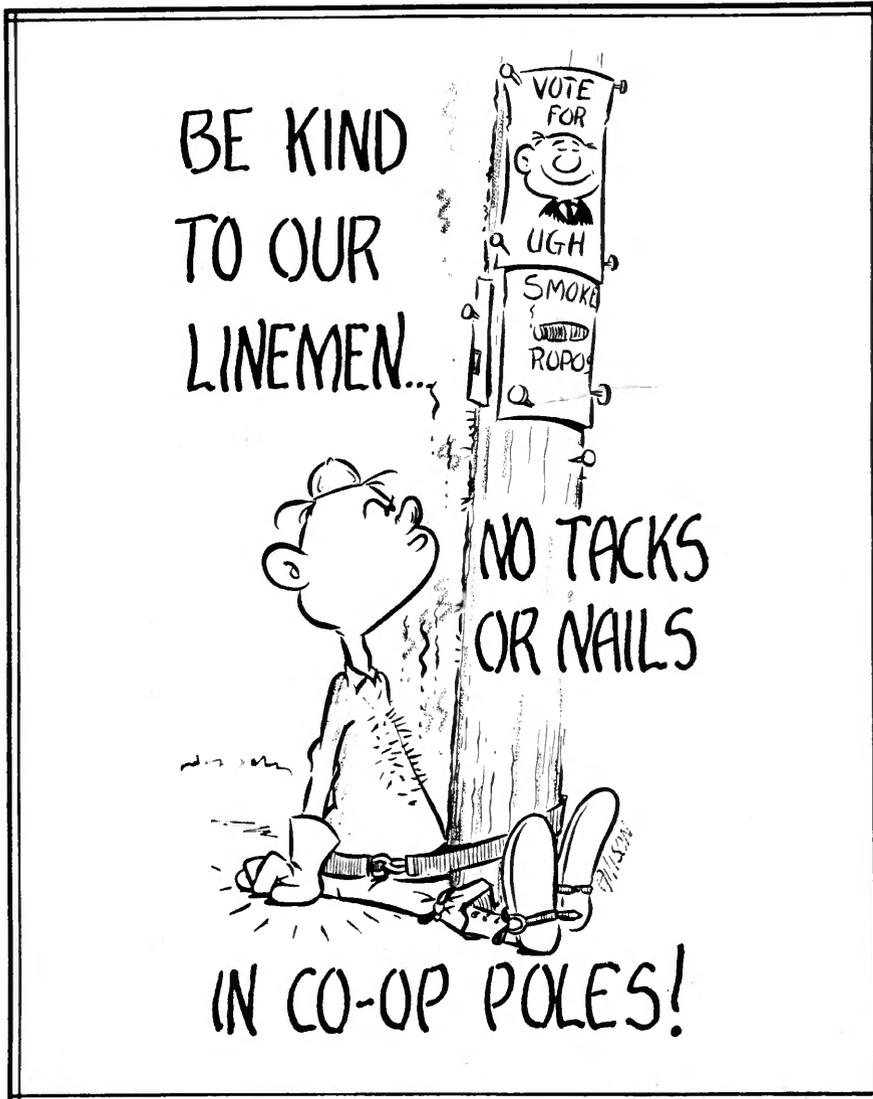
We would suggest that you brief your whole family, including children, in the observation of tornado type

weather. Keep a sharp ear out on radio and watch the television for advance warnings. If a tornado watch is on, keep an eye on the sky, even if it is clear, as a storm can appear suddenly with no official warning. There are many tornado safety rules and we would suggest that each of you familiarize yourself with the proper action to be taken in case you sight a tornado.

Mobile homes are particularly vulnerable to overturning during strong winds and should be evacuated when strong winds are forecast. We would also suggest that all mobile homes should be secured by means of cables which are attached to proper anchors and/or concrete footings.

Tornadoes and high winds are one of nature's killers. The worst killer of all is lightning—stay indoors and away from electrical appliances while the storm is overhead. If you are caught outside stay away from and keep lower than high-conductive objects.

The following is a method of using the TV set as a tornado warning device. This works on color as well as black and white sets. Here is how to adjust the screen: First turn to unused Channel 13, whose frequency (212 megacycles) is farthest from that created by a tornado's electrical pulses, and which thus is likely to pick up the tornado. Turn the brightness knob until the screen is at the threshold of blackness—gray, just short of a complete absence of light. Then switch to Channel 2 (whose frequency is 55 megacycles) and leave the brightness knob just as it is. When the tornado is about 15 miles away—15 to 30 minutes, timewise—the eerie whiteness will take over. And if it does, don't sit fascinated by it. Go to the southwest corner of the basement and crouch.



ELECTRIFY
 Conserve fuels in short supply

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

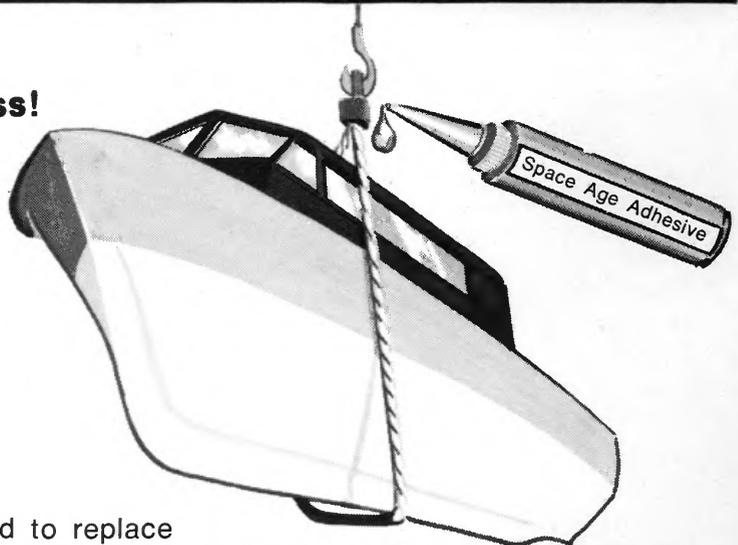
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A PERMANENT ADHESIVE SO STRONG

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.

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Dept. SE0-289, Freeport, N.Y. 11520

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

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

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

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

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

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Serving Satisfied Customers for over 25 Years

W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

By Lester Aeilts

I have had several opportunities recently to improve management skills and get acquainted with people important to the rural electrification program. Some of these people are working in the programs and others are interested in the development of rural areas in a more general way and see rural electrification as an essential part of this larger program. I will write about one of these opportunities in this column.



Lester Aeilts
Manager

In late April and early May, I was permitted to attend a New Manager's Conference in Washington, D. C. This conference was sponsored by the Rural Electrification Administration

(REA), a branch of the United States Department of Agriculture. More than 100 rural electric cooperative managers, who had been hired as managers during the past two years, were in attendance. Many first generation electric cooperative managers are now reaching retirement age, which is evident from the statement that 600 or 700 more managers will retire during the next five or six years. A turnover rate of this proportion points up the necessity for conferences of this type. We were able to meet the people we will be working with in securing construction funds. They were able to tell us their problems in processing loans and what procedure to follow in order to expedite the processing.

Many of you new members may not be aware that REA is the major source of construction funds for electric cooperatives and some investor-owned utilities. These funds are borrowed and are repaid with interest. There are some restrictions on organizations who borrow these funds, such as: They must agree to take

electricity to everyone in their area (commonly called "area coverage"), they must be an equal opportunity employer, etc.

Another major source of construction funds is the National Rural Utilities Cooperative Finance Corporation (CFC). This organization has been formed by the rural electric cooperatives to assist in securing capital funds. Our own Robert Wagner is a director of CFC.

While attending the REA New Manager's Conference we were able to spend some time with CFC officers and also with many of the staff of the National Rural Electric Cooperative Association (NRECA). NRECA is the national service organization of the electric cooperatives. They provide many services such as a retirement program, hospitalization insurance, national advertising and work with other national organizations including national programs to assure adequate sources of energy.

These three organizations work very closely together, which was evidenced by the fact that when one of them got a group of new managers to Washington, D. C., they shared the time with the others. Meeting these people and learning how each of them can be of assistance to our cooperative has been very helpful to me and will be beneficial to WIEC, I am certain.

Air Conditioning - For a Happier, More Comfortable Household

If you've been thinking about adding air conditioning to your home, take these hints when you do decide to install.

- **INSULATION.** The proper amount for cooling and heating will allow your unit to do a better, more efficient job.
- **DUCTS.** The ones that help heat your home may be sufficient for cooling too, but make sure!
- **SIZE.** Make sure your new installation will be able to adequately cool your home.
- **TYPE.** For efficiency, safety and cleanliness, electricity is unmatched.

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

The electric way is clean.



AFTER HOUR SERVICE

Recently, we told you we had installed a telephone diverter that diverted after-hour calls to staff members' homes. After several months use, we have found that the diverter would monitor the sound and, if there was none, would disconnect the call. If we had asked a member to check their breakers, look up their location number or if a staff member had to be called to the phone, there would be no sound and the monitor would disconnect. This caused many problems as well as much frustration.

In order to overcome this problem, we have had the diverter removed and off-premise extensions installed in staff members' homes. With this system there is no monitoring, so no one should be disconnected.

This system, however, is not fault free. With the diverter the call would come in on one telephone line, divert over to the second and go to the staff member's home. With the extensions the calls come in on one line only. If two members were to call at or about the same time, one call would go through the staff member's home and the other would ring and ring. If this should happen to you when you call, don't panic, just bear with us and keep trying. There will always be a staff member available 24 hours a day, seven days a week. If there would be a storm, chances are staff members will be at the office and will answer calls there. If this happens, both lines would be manned and all incoming calls would be answered.

One final thing. We would like to remind you that this after hour and weekend service is for *emergencies only*. Staff members are at their homes and, therefore, cannot tell you what your meter reading was from last month, how much you owe nor help transfer a membership, make recommendations for wiring, etc. They are there to get someone to help you get electricity back in service. Please do not make unnecessary calls. Your help in this matter will be greatly appreciated.

W.I.E.C. ANNUAL

MEETING

THURSDAY, August 1, 1974

Hancock County
4-H Center

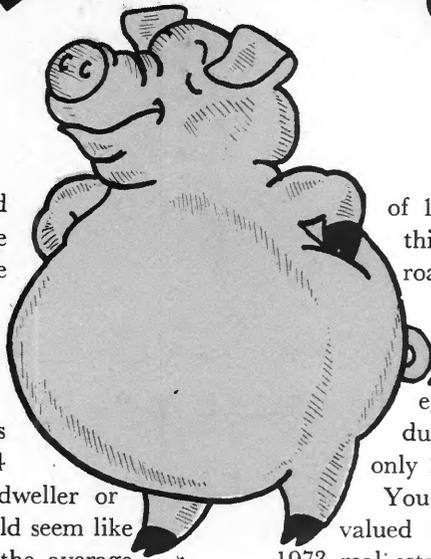
Lunch Served
6:00 — 7:15 P. M.

Business Meeting Begins
at 7:30 P. M.

Appliance Sales
Entertainment
Election Reports
Prizes



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.

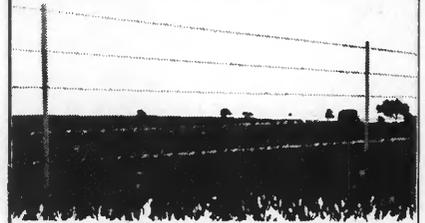
Your family farm was valued at \$4,814 on the 1973 real estate market. As the year began, you had \$638 worth of livestock and poultry on hand and \$262 worth of crops. Investment in machinery and motor vehicles amounted to \$726.

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

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Write or Call 405 424-2222

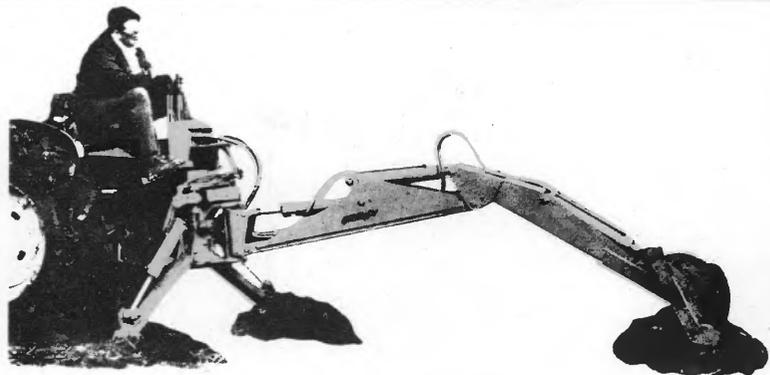
(TEPCO, INC.)

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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 (I 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)

World's Fastest, Easiest Fencing!

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

New 72" Line Posts, Heavier & Larger

- Strong, Durable, Attractive
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- 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.

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48" electric posts

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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
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See Us At The Illinois State Fair

W.I.E.C. NEWS

Western Illinois Electrical Coop. Carthage, Ill.

CO-OP COMMENTS

By Lester Aeilts

Surely, at some point, there must be a balance in the unreasonable demands made by environmentalists and the cost to the consumer if these demands are summarily enforced.



Lester Aeilts
Manager

There can be no disagreement about the fact we must conserve energy, or that our environment should be made as clean as possible. But the way in which some would go about solving these problems borders on the ridiculous.

Since the consumer will pay the bill for improving the environment, he has a right to know his money will be spent wisely—that the cost-benefit ratio will be in balance. Some of the proposed plans show little consideration for the consumer's dollars.

For instance, Tennessee Valley Authority (TVA) estimates their rates would have to be increased 35 percent to operate scrubber equipment designed to remove sulfur dioxide from stack emissions. Also, in removing one pound of sulfur dioxide, there will be a deposit of four pounds of waste material which would have to be disposed of in some manner.

Environmentalists have raised a great hue and cry about damage to the fish population from hot water discharge at nuclear plants. After thorough study, TVA concluded that fish saved by installation of cooling towers would cost \$18,000 a pound. It would seem the cost-benefit ratio is somewhat out of balance.

In order to survive, we must have a plentiful supply of energy. Electric

power is the only form of energy which is not depletable, for it can always be generated by some means. But the cost of generation has gone beyond the power suppliers ability to control. The attitude of those who order the installation of high priced pollution control equipment of unproven value seems to be questionable, with little regard to cost-benefit ratio.

The time is fast arriving when consumers need to know if they will get full value for their money spent.

FREEZER TIPS

Your food freezer can save time in the kitchen, cut down on the number of your shopping trips and help you have better meals in any season.

But, the freezer can't perform wonders on the food itself. This must be of good quality when you freeze it, must be properly prepared for freezing and must be properly packaged.

When you have taken care of all of these "musts," there are a number of tips that can help you make better use of your freezer. Here are a few of them.

- Organize your freezer with special sections for meats, fruits, vegetables, breads and desserts for family use.
- If you entertain a lot, reserve a shelf or part of a shelf for party foods.
- Label all packages with content and date of freezing, then arrange foods that have been in the freezer the longest time near the front. Use these first.
- Use adhesive labels for labeling packages. They stick without moistening and stay stuck.
- If you pack lunches for any member of the family, allot special space for lunch items.
- As you shop and add new foods to your freezer, reorganize as you store the food to keep packages rotating.
- Always follow instructions of your freezer booklet when preparing foods for freezing. Then, rejoice in the delicious products that will add zest and interest to your meals all year long.

DO YOU DRIVE A 1939 CAR?

Most of you will answer no but a lot of Western Illinois Electrical Coop. (WIEC) members are still using a meter loop that was installed years ago. When WIEC members started using electric service, a 50-amp meter loop was all they needed. Today, a 50-amp meter loop will not handle the electrical loads the member has and needs to use in his average everyday life.

WIEC linemen are changing transformers and installing larger wire every day, but unless you, the member, update your meter loop and wiring to your house and outbuildings, our work is done in vain. You should take a look at what you plan to do in the next five years.

WIEC receives many calls and letters from members who say, "I have low voltage." When we check this out we usually find the member has too small a meter loop. The service wires to his house and outbuildings are too small to carry the amperage he is trying to use with all the new uses he has for electricity.

Ask yourself these questions?

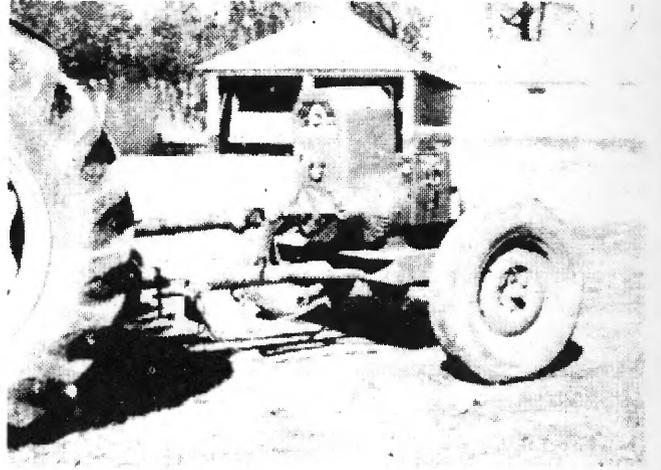
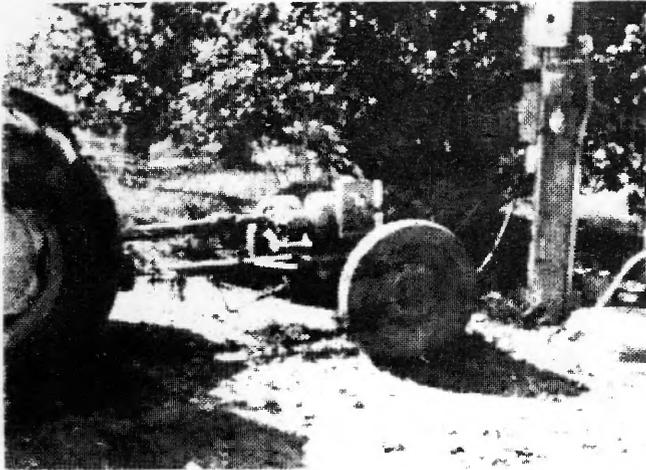
1. When was my meter loop installed and what size is it?
2. What have I added in my home the last eight to 10 years that is using electricity?
3. When was the wire to my outbuildings installed and what have I added there in the last five years that uses electricity?
4. What does the wire look like on my farm? Is it bare in spots, does the wire sag so badly that it is hard to drive under it?
5. Do you plan any expansion such as a grain dryer, a feeding program, a new pig operation or a larger farm operation which will require more electricity?
6. Do you plan to add onto your house or install some new appliances?
7. Are there enough circuits and outlets in your home?

When you have considered these questions, you'll have some idea what your requirements will be for the next few years.

Often all you will need is larger entrance and meter loop. They will pay for themselves through more efficient and longer life of appliances, less replacement of fuses or circuit breakers, less heat loss in wiring and greater convenience and safety.

Modernize your wiring system so you can obtain full benefit from your electric appliances and equipment.

DO YOU NEED A STANDBY GENERATOR?



"Why should I have a standby generator?, a member told us recently. "Western Illinois Electrical Coop. service has been good over the years and I don't think a standby generator is necessary." What he says is quite true.

However, certain types of farm operations obviously need standby power. Chick or pig brooding or confinement housing for livestock which involve a life process need the insurance of standby power. The water supply of most farms is also dependent on electricity.

Power outages don't happen often or last long. But snow storms, hurricanes, tornadoes and other acts of nature could turn off the electric power for a few days. To determine whether to purchase one, you should balance the cost of installation against the possible losses resulting from an extended outage.

If you decide to install a standby generator, there are further considerations such as type of unit, size and safety and operating features.

The most practical type of standby generator for most farms is a portable tractor-driven model. It can be belt operated or operated off the power take off.

In addition to providing emergency power, a portable standby

generator can also be used to take power to jobs not located near electrical service, such as power welding in the field.

Thus, to get the most out of your investment, the generator should be mounted on a trailer along with the welder. It can also be used for running drills, saws and other electrical hand tools in the field to operate remote silo or grainary for elevating feeding or to provide power at any time and place you might need it.

Determine the size you need by recording the watt ratings (amps multiplied by volts as shown on the motor nameplate) for your two largest motors as well as the watt ratings of other electric equipment which might be running at the same time during an outage.

The watt rating of the generator purchased should be about equal to the total watts you might expect to need during an outage. If the generator does not have overload capacity, multiply the watt rating of your two largest motors by three. Do this because a motor requires about three times as much current to start as it does to run. Most manufacturers furnish a table specifying the largest size motor a operator can start and the horsepower rating of the gasoline

engine required to run it.

Most farms need a 10,000 to 12,000-watt generator. A 10,000-watt generator will require a 25-horsepower engine to operate it. That's about 2½ horsepower per 1,000 watts of electricity generated. In connecting a generator into the wiring of a farm, a double throw switch is necessary. It positively disconnects the supply line from your service wires when the standby unit is used. This protects any linemen working on the lines and protects the generator should the station power be restored while the generator is running.

After the generator is installed, develop a starting procedure and post it with the generator. Operate the generator at least every three months to assure good running characteristics. Store it in a dry dustless place, but don't cover too tightly because condensation develops.

Standby generators current supply is not smooth and voltage fluctuates. Therefore it is advisable not to operate the radio or TV or other sensitive electronic equipment off the generator.

Contact the Western Illinois Electrical Coop. office and we'll be glad to discuss your needs and plan for a standby system on your farm.

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.

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More than 800 persons attended our 35th Annual Meeting held August 1, 1974 at the Hancock County 4-H building and grounds in Carthage.

A lot of time and effort go into making an Annual Meeting a success. Although it only comes once a year, that once requires a great deal of planning. For many of our employees, the 36th Annual Meeting to be held in 1975 is already "on the drawing board."

Comments we have had on this

year's meeting indicate many people were pleased with the meeting, meal and entertainment. Company II, a choral group from Hancock Central High School, and Mrs. Orville Sinele, who provided the interlude music on the organ, were both well received.

The splendid turnout we had reinforces the belief that the cooperative way is the best way. It shows why the cooperative way is so strong—our members care. Without the members there would be no cooperative. But with them and with their cooperation, great things are

possible.

We at WIEC were equally pleased to present 25-year service awards to Director Bob Wagner, Attorney Wilbur Capps and employees Roger Goetz, Robert L. Smith and Bill Knight.

We want to take this opportunity to thank all of the people who put in some long hours and gave so freely of their time to make our 35th Annual Meeting the best ever. To our employees, their families and just to our many friends, we thank you!!

Here is a cross section of photographs from the meeting:



WIEC News

WESTERN ILLINOIS ELECTRICAL COOPERATIVE

217-357-3125

CARTHAGE, ILL.



Over 800 Persons Attended



LEFT: Four of WIEC's directors are, from right: Charles Melvin, Harold Massie, Wendell DeMoss and Charles McChesney. BELOW LEFT: President Donald Kerr, right, presents a 25-year service award to Director Bob Wagner. BELOW RIGHT: Manager Lester Aeilts, with a little help from a friend, draws for one of many prizes given away at the meeting. BOTTOM: Mrs. Orville Sinele provided organ music before and after the meeting.



35th Annual Meeting

SEPTEMBER 1974

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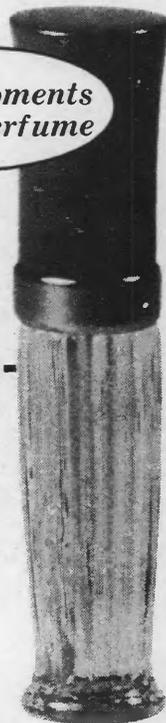
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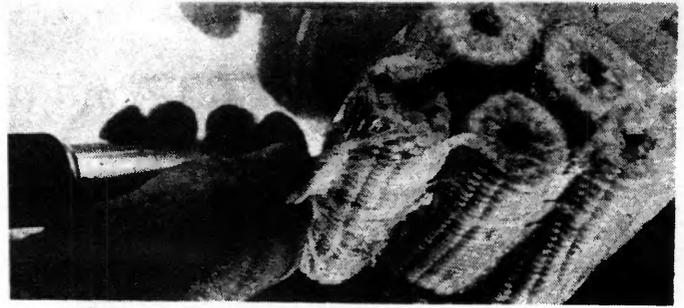
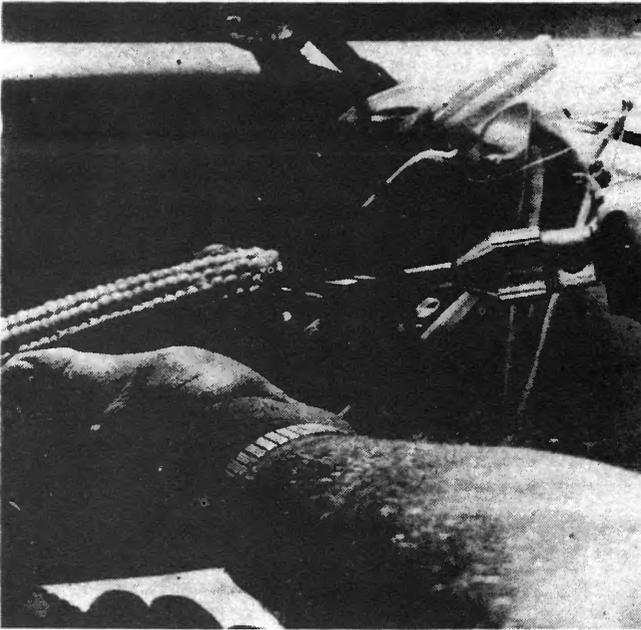


Illinois Style



Horseshoes

Reamed-out ears of corn freeze quicker, taste better



For the luxury of top quality corn-on-the-cob next winter, prepare it with the help of an electric drill this summer.

This suggestion comes from La Croix Johnson of the Buffalo Electric Co-op in Wisconsin. For the past two decades, Johnson has been advising cooperative members how to make better use of electric appliances.

The drill is used to bore a hole through the cob so it will cool faster after blanching. Run cold water over the cobs immediately after blanching, and then add ice cubes to further speed up the cooling process. Then package and freeze.

Johnson also recommends using the vacuum cleaner to remove air from the plastic bags.



WIEC News

WESTERN ILLINOIS ELECTRICAL COOP.

217-357-3125

CARTHAGE, ILL.

CO-OP COMMENTS

By Lester Aeilts

In the September WIEC News, I discussed some of the reasons why the wholesale power cost adjustment was increased beginning with the energy bill WIEC members will be paying following the October 25 meter reading date.



Lester Aeilts
Manager

I will attempt to go into the background information in much greater detail in this column. If you have not read my column in that publication, it would be well if you

would do that to complete the picture. Power costs have risen and will continue to rise because of these factors.

INFLATION--Tight money policies and higher interest rates are a major factor in pricing a high investment product such as electrical energy. Increased cost of labor, material and equipment for construction of generating plants, transmission and distribution systems are also continuing factors. The present inflationary spiral has made delayed construction more and more expensive. Very few delays of any significant duration can be permitted in the electrical industry because it is an immediate demand business. There is no practical means of storing up supplies during times of low demand which can be used during times of

peak demand. The generating, transmission and distribution capacity must be available when the demand is there, in order to avoid blackouts or brownouts. We think you prefer higher prices to a shortage of power and that is the choice at present.

ENVIRONMENT--Major costs are being incurred to install equipment to clean up stock gases, remove heat from cooling water, etc. Much of this equipment has not even been perfected for this particular application. It is required, however, and we are installing it. We hope that before too long new methods will be found to do these jobs better and less expensively. We are watching developments (with the aid of our state and national associations) of this equipment so we can take advantage of them as soon as possible.

OCCUPATIONAL SAFETY & HEALTH ACT (OSHA)--Considerable investments are being made by WIEC and our associated organizations to make our working areas less hazardous for employees. We feel many of these investments will pay off in reduced accidents in years to come, but require cash at the present time.

RESEARCH--Your cooperative

and other branches of the electrical industry have joined in massive research projects to develop new sources of energy to generate electricity and to improve air and water quality.

LOBBYING FOR CONSUMER INTERESTS--We are continuing to work for and with organizations that are working in the interests of the

American consumer.

ENERGY CONSERVATION--We believe in the reduction of unnecessary uses of electrical and other forms of energy. We still believe electrical power is the energy of the future and is the most economical and practical for most jobs around the farm.

What Goes Into A Service Call?

Servicing consumer products and providing service in the home on such products or on home improvements and installations is a business separate from furnishing members electric power. But it seems to be a needed service in our WIEC service area.

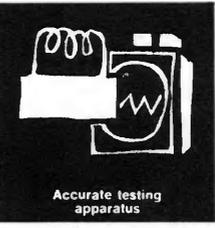
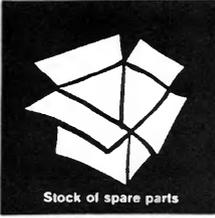
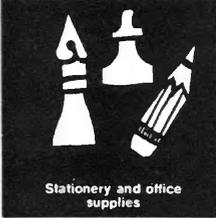
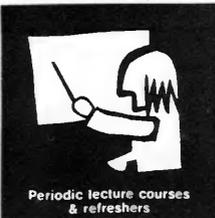
There is a charge for service but many persons do not realize what goes into a service call...and that is the reason for this.

People need to understand the factors involved in service calls to the home. An honest charge is not determined solely by the time spent to make installation or repairs. From the standpoint of a service department, its cost, except for time on the job, could be about the same for a simple job of replacing a fuse as it is for a difficult job.

Good service doesn't "just happen." Operating a dependable electrical service department requires organization, competent management and a substantial investment in materials.

When our electrician knocks on your door, many costs have been incurred just to get him there, ready to do your job.

HERE ARE SOME OF THOSE COSTS...

 Specialized training up to 4 years	 Truck (Ladders, etc.)	 Travel time	 Costly tools	 Accurate testing apparatus
 Stock of spare parts	 Exchanging parts included in warranty	 Time on job	 Office rent	 Office equipment
 Office help	 Stationery and office supplies	 Light, heat, phone	 Warehouse & shop rent	 Truck maintenance and operation
 Periodic lecture courses & refreshers	 Garage rent	 Insurance--trucks, liability, fire, theft, property, work- men's compensation, -etc.	 Employee benefits	 Taxes -- income, property, business social security, un- employment compensation

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.

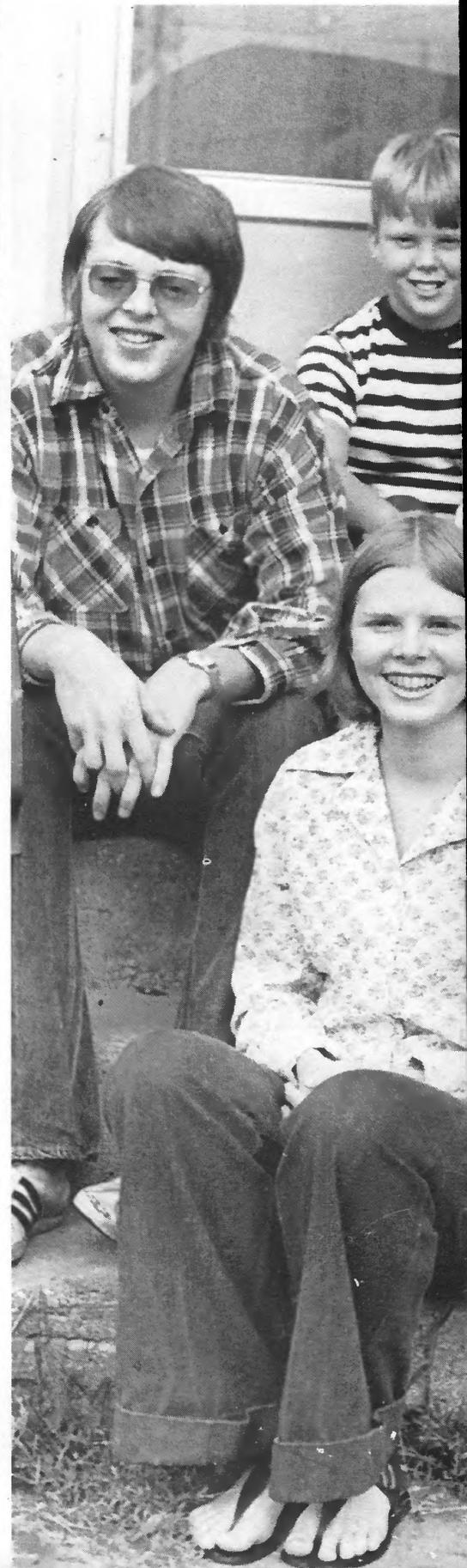
"I didn't take my first art course until I was in college, so it took me quite a while to develop my style," Goleman said. "I used to sit at the kitchen table and paint for hours working on my technique.

"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

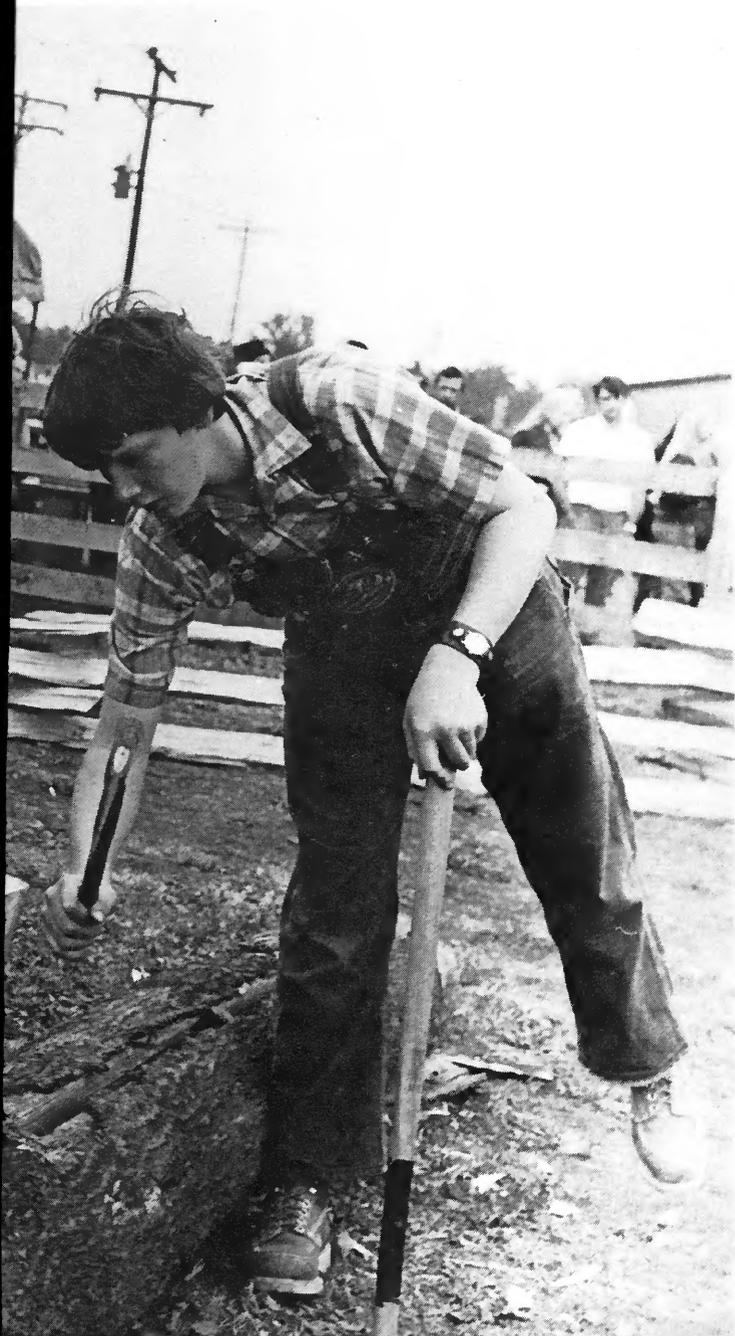
their everyday lives, but today have been forgotten by most people.

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.



THANKSGIVING



*Let All of Us in Full Accord
Give Grateful Thanks unto the Lord—
A Very Kind and Gracious Lord,
Who Gives Us More Than Our Reward.*

—from an old New England primer



WIEC News

WESTERN ILLINOIS ELECTRICAL COOP.

217-357-3125

CARTHAGE, ILL.



CO-OP COMMENTS

By Lester Aeilts

This year has been filled with adverse weather conditions, ever increasing costs of production and emotional stresses caused by political eruptions. But, even though we have experienced all these, we still have plenty for which to be thankful.

We don't have to go far from here to find those with less, those with poor crops caused by drought, and other adversities. Other areas have had earlier frosts and more wide-spread flooding than we have experienced.

I would like to express my appreciation for the continued cooperation of WIEC employees, board of directors and members. The employees are putting forth exceptional effort to accomplish nearly impossible tasks to ensure each member adequate electric capacity when he needs it and where he needs it.

The board of directors, as in years past, have continued to diligently search for new ways to reduce operating costs and increase efficiency.

Members have been patient when their service was interrupted and understanding when we needed to delay an extension of service, or increase in capacity, because of other pressing needs.

We feel we have an adequate power supply so that we can continue to serve WIEC members; whatever their future electric needs will be. We are aware of the ever spiraling costs and realize that this will mean higher costs of electric energy. I want to continue to assure you that we are doing everything we can to keep these costs as low as possible.

Our electricians are working hard to wire the grain drying equipment and install electric heating equipment as rapidly as they can. The frosty mornings we have experienced recently remind us that soon the electric watering equipment will have to be turned on, some which may need repair or replacement. It would be a good idea to get these checked out as soon as possible to be sure that the thermostats are not set too high or the elements are not burned up.

Other things, such as a supply of heating lamps, should be in readiness for the first cold days when they will

be needed. If you use heat lamps to keep pumps or pipes from freezing, install a thermostat so they will be used only when needed. This reduces the power bill as well as conserve energy.

Once again I want to express my appreciation for your cooperation. If you have any problems, or if you have anything to discuss with me, my door is always open.

DON'T FORGET WIEC FOR YOUR ELECTRIC CHRISTMAS GIFTS

*Hot combs
Electric Blankets
Waffle Baker/Grill
French Fryer/Buffer Cooker
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Popcorn Poppers
Electric Broilers
Cookware Sets
Bake & Serve Casserole
Saute' Skillet
Country Kettles
Toasters
Bun Warmers
Automatic Griddle
Slo-Cooker
Humidifiers
Electric Heaters*

how's your insulation?

To save money during cold weather, we encourage you to add to your comfort by using more and better insulation.

An uninsulated or poorly insulated house can waste 50 to 60 percent of its heat. Insulation will pay for itself in two or three years by reducing water heating bills. Air conditioning costs will decrease, too.

Any building material insulates, but some are mainly structural and insulate only slightly. The purpose of insulation is to retard the flow of heat from warm areas to cold areas. All materials do this to varying degrees, but many thick, heavy materials, concrete for example, only slightly retard the flow about as much as a kitchen strainer held under a faucet slows down running water.

In an existing house with no insulation or a limited amount, the choice of materials is restricted to loose fills made up of organic or inorganic materials. These come in

cellular, granular or modular forms. The contractor handling the insulation job normally drills holes in the walls to air-blow the loose insulation into the vacant spaces.

Attics are not as much of a problem because rolls of batting or blanket insulation, (containing mineral, glass wool, or wood fiber) can be laid down between joists. Insulation can also be poured or blown. Also, some floorboards can be taken up to add loose fill insulation.

Polyurethane foam is one of the newest insulating materials. It is somewhat more costly than conventional insulation, but is a highly effective insulator against heat and cold when sprayed into wall cavities. It can also be sprayed on basement walls.

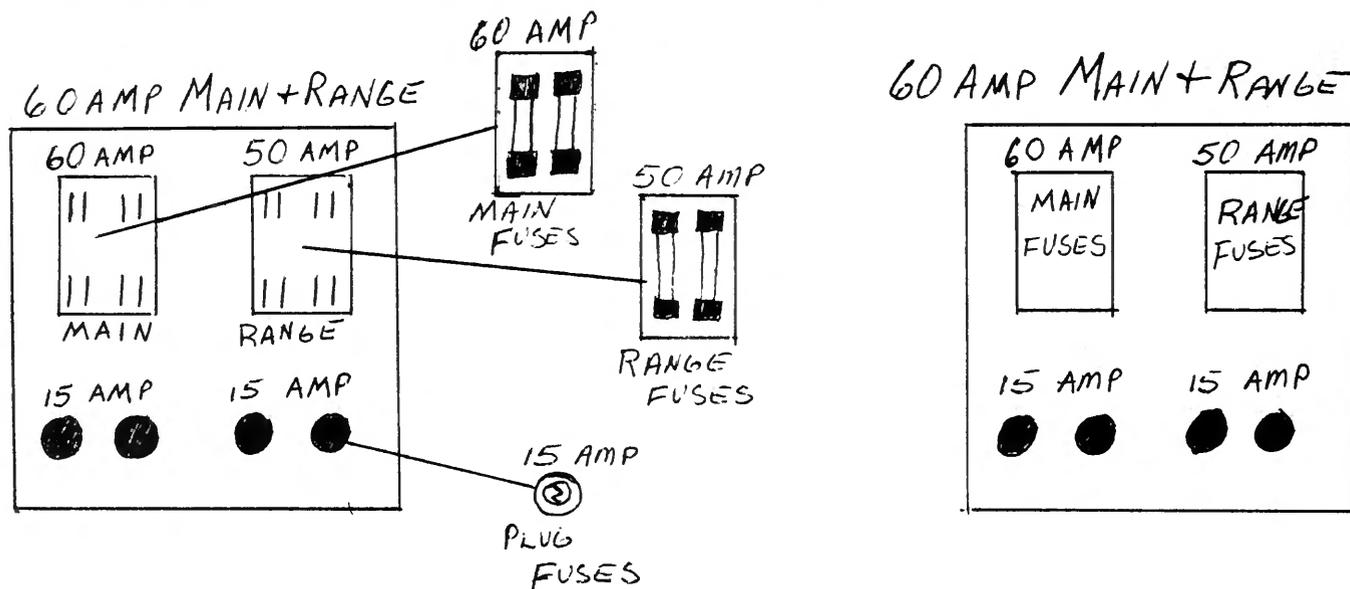
And one of the easiest and least costly insulating methods is the extensive use of caulking, weather stripping and storm windows and doors. Adding storm windows and

weather stripping can cut fuel bills by 15 percent. Do not forget the fireplace damper. Be sure the damper is closed when the fireplace is not in use. Addition of six-inch thick insulation to the ceiling and 3 5/8 inch thick insulation to the wall and two inch to the floor can bring the total reduction to 70 percent. To be effective, insulation must be properly installed. Proper placement of vapor barriers and venting are important.

Many homeowners who have installed insulation to cut fuel bills have discovered that once they have properly insulated their dwellings, they can make the conversion to electric heating at a modest investment, with monthly utility bills comparable to oil and gas heating.

Four Inches of Cellulose Insulation Is Equivalent to Having Your Home Encased in 15 Feet of Concrete. How Would You Like to Save Money?

HOW TO CHECK YOUR FUSES



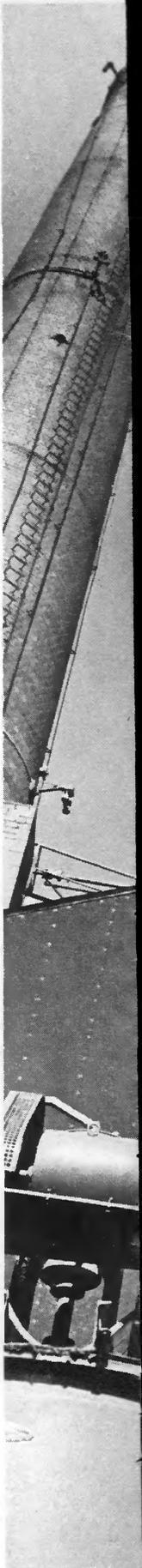
Shown above is a sketch of a 60-amp fuse box, which most older homes have. Many people, when they lose power in their homes check only the 15-amp fuses, not realizing that there are fuses behind the MAIN and RANGE plugs. When you do lose your power in your home, be sure you pull the

two plugs out and check the cartridge fuses in them. This will save you and WIEC time and money, because then you will not have to call a lineman out for a trouble call and you can replace the fuse yourself and restore electricity to your home much sooner.

Illinois Coal '92

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."

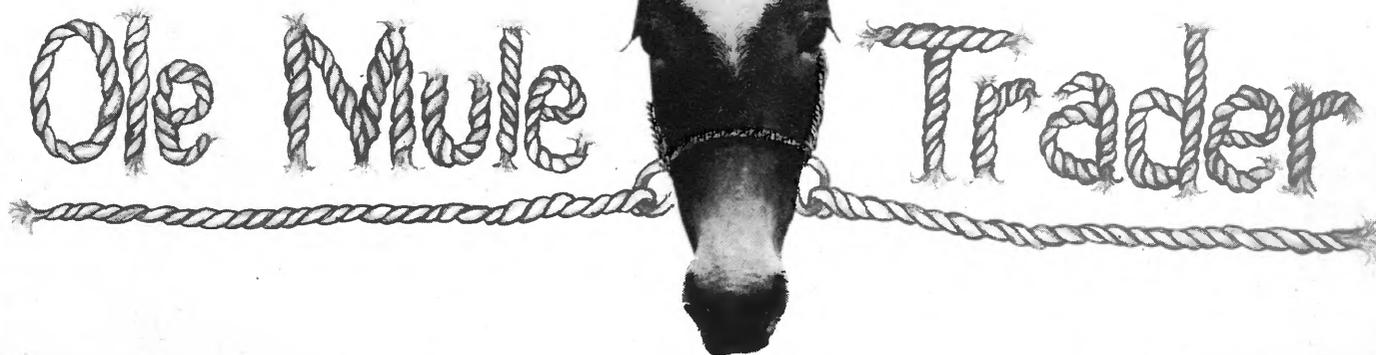
"Mules aren't stupid, but the people that own them can be," Davidson said. One story he uses to illustrate the point is about a mule pulling a load of hay.

"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 . . .



CO-OP COMMENTS

By Lester Aeilts

Christmas is a happy time. A time for holly and mistletoe...beautiful carols and the laughter of children as they explore the mysteries of Santa Claus' generosity. It's a time for dinner tables laden with favorite foods and families gathered together for joyous reunions. It's a time for giving and receiving.



Lester Aeilts
Manager

Christmas also is

a time for reflection. . . a time to recall the many blessings which have been bestowed upon us in such abundance. A time to be thankful for family and friends. A time to appreciate the opportunities which are ours to be of service to our fellowman and to exert every effort to make this a better world for all. A time to resolve to do our best to live by the principles and teachings of those much wiser than we, which have been handed down over the centuries.

No gift we can bestow this holy season can be greater than that of a cheerful smile, a friendly greeting and an abiding love and understanding for all God's people.

The WIEC board and staff want to take this opportunity to add our wishes for a very Merry Christmas and Happy New Year for all. We now resolve to continue exerting our best efforts in your behalf in the year ahead.

May this Christmas be filled with the richest blessings for you and your family and may the New Year bring with it new opportunities for service...new challenges...and new achievements for us all. And may the happiness of this holiday season remain long after the last gift is opened and the decorations stored away.



WIEC News

WESTERN ILLINOIS ELECTRICAL COOP.

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CARTHAGE, ILL.

Country Christmas

Gathering with families and friends. . . sharing memories, hopes, goodwill, holiday feasts. . . that's part of Christmas for millions across America's countryside.

We'll be sharing all these with you. . . lighting and powering the way for a warm, cheerful season.

And we'll stay on the job, alert to your needs. . . all the year around.



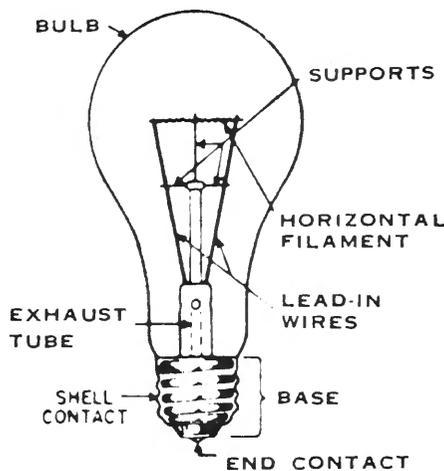
Things You Should Know About Lamp Bulbs

Without lamp bulbs our lives would be much different. Most of us actually know very little about them. Here is a brief description.

Every incandescent light bulb, properly called a lamp, consists of a tungsten filament enclosed in a glass bulb supported by a metal base that also furnishes an electrical connection. The differences between types of lamps are in the size, shape and arrangement of these parts.

The filament is the heart of the lamp. This tiny tungsten wire, often as small as .0012 of an inch, is heated white hot by electricity flowing through it. The hotter the filament, the more light it produces and the sooner it will burn out. Photo flood lamps, for instance, produce intense light, but burn only about six hours.

"Extended service" and the so-called "long life" lamps have heavy filaments that produce less light, use more electricity and burn several times as long as ordinary bulbs. Ordinary bulbs are designed to produce an



acceptable combination of efficiency and economy.

The bulb protects the filament from damage and keeps air from reaching it. The bulb is filled with an inert gas that slows the burning of the filament. Special coatings may be sprayed on the inside or outside of the

bulb to diffuse the light or give special color effects. The stem is a glass rod in the center of the bulb that holds the filament supports and the lead-in wires that carry electricity to the filament. The base is usually a metal cylinder with threads or prongs to fit a lamp holder that supports the lamp and brings electricity to it. The base is cemented or clamped to the bulb.

When buying lamp bulbs be sure to buy the ones rated at least 120 volt and preferably 125 volt. It's marked right on the bulb.

Shapes of bulbs are identified by letters followed by the maximum diameter in eighths of an inch. Thus a G-30 is a globe shaped lamp with a diameter of 30/8 inches or three and three-quarter inches.

The most common household bulbs are the "A" series made in 15-200 watt sizes. The familiar 25-100 watt sizes are designated A-19 because they are 19/8 or two and three eighths inches in diameter. Other abbreviations and their meanings are G (globe), T (tubular), PS (pear shaped), F (flame shaped), R (reflector) and PAR (parabolic aluminized reflector).

*Make your Christmas ALL electric ...
with electric appliances from WIEC.*



These and many more electrical appliances are available at Western Illinois Electrical Coop. See your November-December WIEC Newsletter or stop in at WIEC and see the large selection of appliances and the low prices, too! (reserved for members of WIEC only.)

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-