

Obituary

**John F. Temple,  
former IREN editor**

John F. Temple, editor of the *Illinois Rural Electric News* from 1961 until 1973, died August 9 in Springfield, following a long illness. Temple, who was 72, was one of the most widely known and deeply involved electric cooperative leaders. His warm personality and sincere interest in cooperatives and their people helped achieve friendship and

respect across the state and nation. He was a familiar face at electric cooperative meetings across the state.

Born in Petersburg, Indiana, Temple was the son of the Rev. and Mrs. H. C. Temple. "Home" was Salem, where his father retired as minister of the Salem Presbyterian Church. He was graduated with a degree in journalism from the University of Illinois and worked as a reporter and photographer for the *Illinois State Register*, *St. Louis Star-Times* and the Associated Press.

In 1950 he joined with his brother, William, in the operation of the *Wayne County Record* at Fairfield, and served as editor and co-publisher of that newspaper from 1950 to 1961.

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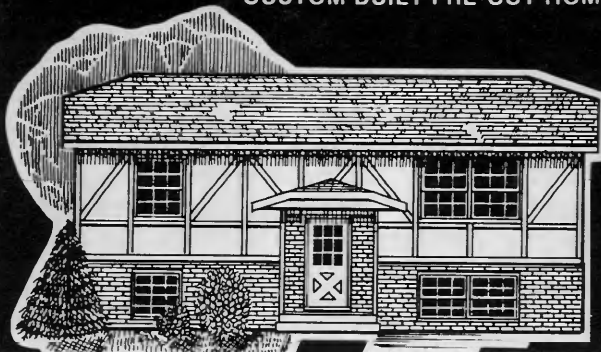
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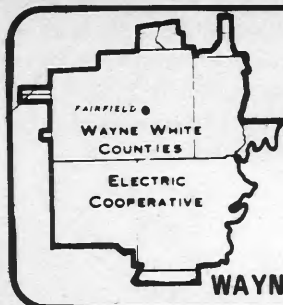
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# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS

## Rural electric systems fight higher costs

"We must continue to strengthen our efforts nationwide to combat contributing causes to rising energy prices," a top spokesman for the nation's rural electric systems told a congressional committee recently.

Testifying before the House Subcommittee on Conservation and Credit, Robert D. Partridge, executive vice president of the National Rural Electric Cooperative Association (NRECA), pointed out that it is easy, however, for the directors and managers of local rural electric systems to get discouraged when a large measure of the problem is beyond their control.

Partridge outlined several broad and pervasive national problems which are directly contributing to the higher energy costs being borne by all Americans — rural and urban. These include high interest rates, inflation, rising fuel costs and an ever-growing regulatory burden.

"It will require a determined and concerted effort by all segments of our

economy and society to resolve inflationary problems and to bring interest rates in line," the NRECA head said. "Moreover, fuel costs are subject to a myriad of national and international policies and actions, and until our nation moves closer to energy independence, the overall pricing of primary fuels will be factors we can influence but not control."

On a more optimistic note, Partridge reminded the committee of the structure of rural electric cooperatives — consumer-owned and nonprofit — which, he said, enables them to mobilize to influence public policy.

"Overregulation, for instance, is a problem that was created by government and can be solved by government. NRECA and its member cooperatives have resolved to press with greater vigor to bring some commonsense and order out of the complexity and duplication of public regulatory processes and administrative procedures," the rural electric

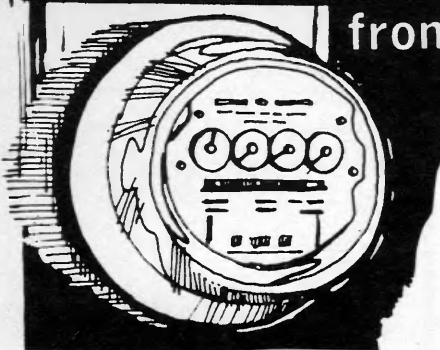
spokesman said.

He stated that the regulatory maze had more than doubled the time frame for completion of generating stations, affecting costs paid by consumers for electric power.

Partridge also outlined other actions being taken by rural electric systems to try and hold down rising electric rates, referring specifically to power pooling and load management programs. "These undertakings will help make the most efficient use of existing facilities, thereby making it possible to postpone the addition of expensive new generation and transmission facilities," he said.

The NRECA spokesman also pointed out that rural electric systems are exploring and putting to work new programs to help their consumer-members cope with increased energy costs. Among these are conservation projects, energy audits and weatherization financial assistance programs.

## Stealing Electric Service is Stealing from Your Neighbors



Tampering with a meter, unauthorized connection of a service or diverting electric energy for the purpose of reducing kilowatt-hour registration or to avoid payment for energy used is an unlawful act,

punishable by up to six months in prison or by a fine up to \$500 or some combination of both. A person guilty of such intent to defraud shall be guilty of a Class B misdemeanor.

The following is an excerpt from the Illinois Revised Statutes, Chapter III 2/3: "Any person, who with the intent to defraud, tampers with, alters, obstructs or prevents the action of any meter, register or other counting device which is a part of any mechanical or electrical machine,

equipment or device which measures service, without the consent of the owner of such machine, equipment or device, shall be guilty of a Class B misdemeanor."

The persons guilty of such fraudulent practices are stealing from the Cooperative and thus increasing the cost of electric service to all members.

If you know of such a practice, we urge you to contact your Cooperative immediately. If you prefer, you need not identify yourself. If you will give us the location, we will conduct an investigation.

# How Computers Can Help You Save HOME ENERGY

02

**Here's a quick way to learn which energy-saving repairs  
will work best — and pay off fastest — in your house**

Virtually everyone knows by now that you can save money by making your house more energy-efficient. knowing how to accomplish that in a particular home, finding the worst heat loss and the most efficient way to repair it is another matter. And a more difficult matter is calculating whether repairs will pay for themselves, and, if so, how long it will take.

This problem has been solved by the technology of computer-assisted home energy audits. To take advantage of this service is very easy. You start by calling, or writing, the Member Services Department of Wayne White Counties Electric Cooperative. After you have made contact with us, we will set up a time to visit your home; at that time we will fill out a questionnaire and do a visual check.

The questionnaire has 48 questions dealing with your home's existing insulation, number and size of windows, current energy costs, number of people living in the house, the year it was built, and other factors affecting energy use. After we have this information and a visual check, we will put this on our computer; it will suggest which improvements to make. It, also, will estimate what those repairs will cost and how long it will take for them to pay for themselves.

Clip and mail the coupon below to our office if you would like an audit of your home. Energy audits will be processed on a first come, first served basis and they will be completed as our regular work load allows.

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(Found under the postage permit on  
your electric bill)

Owner \_\_\_\_\_

Tenant \_\_\_\_\_

Date \_\_\_\_\_

Signature \_\_\_\_\_

## *Be careful when siting grain bins*

If you're planning the construction of any new storage bins, be sure to take the placement of existing power lines into account. For the best use of your farm space, storage bins are often erected along property lines. Again, that's just where the power lines usually are.

If you simply can't find adequate space to construct those bins away from power lines, why not contact your electric power supplier for some advice. Someone will be sent to your farm and survey your potential building sites and work with you in order to come to the best possible results. Your complete safety and comfort are prime concerns to your electric power supplier. We'll be happy to assist you in developing a safer farm.

# Think Ahead

Next month's

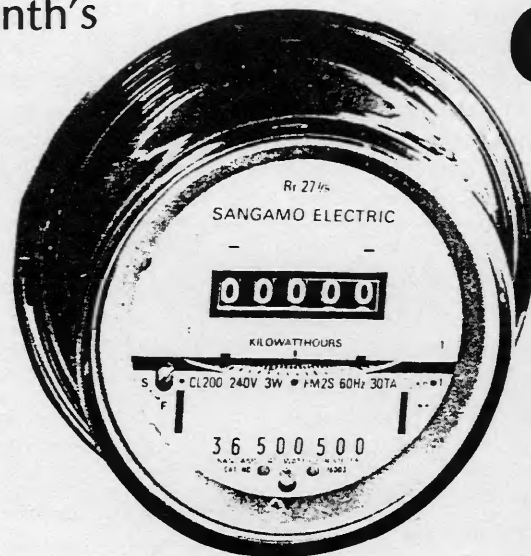
electric

bill is

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metered

TODAY





energy  
efficiency

# Plenty of homework to do before starting insulation project

It is not difficult to answer the question of whether or not you should insulate. The answer would surely be "Yes, I should insulate." The more difficult questions to answer are, "When, how and with what will we accomplish the task?" Each individual homeowner should analyze this particular situation and then proceed from that point.

Very basic questions must be answered prior to calling a contractor or attempting to purchase material. Those questions include, "Should we insulate ceiling, sidewall, floor or all three?" What materials would be best suited for our application? Would it be best to hire a contractor or do all or part of the insulation ourselves? These and many other questions should be considered prior to the actual

installation. This is, perhaps, an oversimplification of the procedure. There are, however, many homeowners who are unfamiliar with what needs to be done, what is available, and what their best method of installation of insulation would be.

With the proper amount of thought given prior to the installation, quality control can be assured from the beginning to the end of the process. For help in discussing your particular application with a qualified third party, you could get expert advice from your local power use advisor. He will be knowledgeable about what's available, who the installers are in your area, and he can help explain the recommendations for adequate insulation and help analyze your investment payback.

To: A.I.E.C. Publications  
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## For do-it-yourselfers

### Tools

1. Temporary lighting



2. Temporary flooring



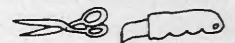
3. Duct or masking tape (2" wide)



4. Heavy duty staple gun and staples, or hammer and tacks



5. Heavy duty shears or linoleum knife to cut batts or blankets and plastic for vapor barrier



For an example of the type of considerations which must be made, let us single out the outside wall area of an existing structure and make plans to insulate it. To begin with, we must first determine whether or not there is material in the wall cavity. This can be checked in some cases by removing electrical cover plates or removing trim boards in places, or may require drilling general test holes. If the cavity is found to contain some insulation, then a more thorough examination should take place to determine whether or not the walls should be reinsulated. Adding insulation to the walls which already contain insulation is difficult and the effectiveness of the addition is questionable.

If the determination is made that no insulation exists in the wall cavity, one must then decide on a particular material. This material could be foam, cellulose fiber, mineral wool, fiberglass, or vermiculite. All these materials can be blown in place with the wall cavity intact.

There are different techniques for installing insulation materials in the

**Louver** — openings consisting of shutters or baffles in attic gables that permit ventilation.

**Passive Solar Heating System** — a system in which elements of the house structure (glass panels, walls, etc.) collect and store heat from the sun and distribute it without aid of mechanical apparatus.

**Perimeter Insulation** — insulating material and its application to enclose the outside of foundation walls and around the perimeter under concrete slabs.

**Polyurethane Insulation** — a foam plastic formed in panels or varying thickness and used mostly for perimeter insulation.

**R-Value** — a measure of a substance's resistance to the transfer of heat. The higher the number, the greater the resistance.

**Radiant Heating** — the heating system in which only the heat radiated from the panels is effective in providing the heating requirements.

**Refrigerant** — the substance which produces a refrigerating affect by absorbtion of heat while expanding or vaporizing.

**Solar Cell** — a device that generates an electrical current when exposed to solar radiation; also known as photo-voltaic cell.

**Solar Collector** — an insulated panel used to collect solar heat for transfer to living space or storage.

**Solar Storage** — a water tank or bin of small stones used to store water or air heated in solar collectors.

**Space Heating** — heating the inside of a building or room.

**Therm** — a unit of heat equal to 100,000 BTUs.

**Thermal Energy** — a form of energy whose affect (heat) is produced by accelerated vibration of molecules.

**Thermal Transmission** — the passage of heat through a material.

**Thermostat** — an instrument which responds to changes in temperature and which directly or indirectly controls temperature.

**U-Value** — the number of BTUs transmitted in one hour through one square foot of a building section when the temperatures of two surfaces of the section differ by one degree F.

**Unitary System** — a comfort system in which heating or cooling are

supplied by individual units located, controlled and sized to serve one room area.

**Vapor Barrier** — a covering applied to wall, ceiling and floor interior surfaces which resists penetration of moisture and air. This building material is usually plastic film, metallic foil or asphalt-coated felt.

**Vent** — any opening in a building envelope designed for the flow of air or moisture.

**Ventilation** — the process of supplying or moving air, by natural

or mechanical means, to or from any space.

**Warm Air Heating System** — a warm air heating system in which circulation of air is effected by a fan.

**Watt** — the electrical unit of power or rate of doing work. It is analogous to horsepower or foot-pounds per minute of mechanical power. One horsepower equals 746 watts.

**Weatherstripping** — foam, metal or rubber strips used to form a seal around windows or doors to reduce air infiltration.

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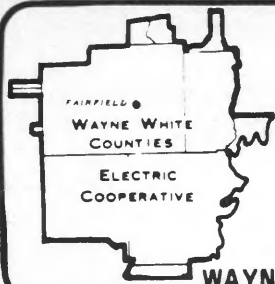
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# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS



## October Is Co-op Month.

On October 6th Governor Thompson proclaimed the month of October as Co-op Month. During the month of October over 40,000 co-ops across the country are telling their story. We would like to refresh your memory on how this cooperative came into existence.

It all started in 1935 when President Roosevelt signed a bill that made it possible for farmers to get electricity. When people read about this bill, several small towns and villages wrote and requested more information on how to bring electricity to their farm homes. The people did not get their hopes up because they had tried to get electricity from the utilities before and were discouraged by the cost to build the line into their area and then give it to the utility. But to their surprise, one day a stranger came to town driving a dusty government automobile. He introduced himself. His name was C. O. Falkenwald and he was a fieldman for the Rural Electrification Administration. A short, aggressive, no-nonsense individual, he had come to Geff to help organize an

electric cooperative in the area.

By August 13, 1936, 953 persons from ten areas had indicated interest in receiving power. Mr. Falkenwald served as a coordinator of a small group gathered in the city light plant at Fairfield on a Monday night, August 17, 1936. Then came the time to select the directors for the cooperative. The first directors were: L. W. Springer, Springerton; E. R. Martin of Burnt Prairie; H. G. French of Mill Shoals; J. Wess Barth of Enterprise; L. M. King of Mill Shoals; Ray Baker of Sims; J. C. Bestow of Geff; George O. Deem of Geff; and Irvin Yohe of Mt. Erie.

After the meeting on August 17th, things started rolling, rights-of-way were signed to allow the building of the lines to serve these areas and on October 9, 1936, the first contract to build 75 miles of single phase line for \$53,941 was signed; then on February 19, 1937, another contract for 100 miles of single phase line for \$81,352.31 was signed. The first section was to be built along the Barnhill-Mill Shoals road to a point just south of the Brose Medler farm,

then east to the state paved road near the Koontz cemetery. It would then extend east to the Will Koontz farm on the Burnt Prairie gravel road and southeast to Burnt Prairie. From the Koontz cemetery south on the paved road to Mill Shoals, west from there to the river and then south to Springerton and the surrounding territory. The second part of the first section would extend lines from Cisne, the point of connection with the power supplier, Central Illinois Public Service Company, east through Enterprise and on east terminating around the Mt. Erie vicinity. Also south along Route 45 through Geff and on south turning west on Illinois Route 15 through Sims area passed Wayne City, through Keenes and north terminating at Orchardville.

On November 16, 1937, the first 200 farm homes received electricity. It was a very exciting day when they closed the switch and the lights went on. The next excitement was when they received their first electric bill. The average cost for a kilowatt-hour in 1937 was 9.4 cents and the average usage was 250 kwh.

We have come a long way since 1936, we have gone from 953 members to 12,600; from 175 miles of line to over 3,000 miles of transmission and distribution lines; from one substation to 20; from 9.4 cents per kwh to five cents per kwh. You will notice that everything increased from 1936 except the cost to the member for each kwh that they use. The fact that we have pioneered a new field and come a long way doesn't mean that we are finished with the job. We are looking to the future and trying to meet the new challenges in a changing world. We can overcome the problems in the future like we did in the beginning with the help of you, our members.



# Sophomores, Juniors, Seniors

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Fifteen dollars will be given to the girl and fifteen dollars to the boy with the best essays from each school.

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Members of the immediate family of the board of directors, employees and winners of previous Washington, D.C. trips are not eligible.

#### Topic:

"The Need for Building Generation Plants, and Why the Delays."

#### Form:

Length--not less than 500 nor more than 1,000 words. Typed on 8½ by 11 inch paper, double spaced and on one side only. Footnote information source. Number each page. Do not type your name on the essay; type it on a separate sheet. Preliminary judging will be made by number.

#### Information:

May be obtained from Wayne-White Counties Electric Cooperative office, Fairfield, Illinois, the schools in the cooperative area, or your local library.

#### Entry:

Deliver the essay to the teacher in charge or mail to Wayne-White Counties Electric Cooperative, Drawer E, Fairfield, Illinois 62837, no later than December 5, 1980.



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 Everybody Wants To Go To Heaven; Where No One Stands Alone; When They Ring Those Golden Bells; Peace In The Valley; If I Could Hear My Mother Pray Again; The Third Man; How Great Thou Art; Old Camp Meetin' Time; When I Hear My Children Pray; In The Sweet Bye And Bye; Where I Learned To Pray; I'd Rather Have Jesus.  
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**LORETTA LYNN - MCA-7 ALBUM \$2.98**  
 Who Says God Is Dead; I Believe; Standing Room Only; The Old Rugged Cross; Harp With Golden Strings; If You Miss Heaven; I'm A'Gettin' Ready To Go; In The Garden; Ten Thousand Angels; He's Got The Whole World In His Hands; Mama, Why.  
**8 TRACK TAPE - MCAT-7 \$4.98**

**LORETTA LYNN AND CONWAY TWITTY MCA-8 ALBUM \$2.98**  
 It's Only Make Believe; We've Closed Our Eyes To Shame; I'm So Used To Loving You; Will You Visit Me On Sunday; After The Fire Is Gone; Don't Tell Me You're Sorry; Pickin' Wild Mountain Berries; Take Me; The One I Can't Live Without; Handlin' On; Working Girl.  
**8 TRACK TAPE - MCAT-8 \$4.98**

**LORETTA LYNN AND CONWAY TWITTY MCA-9 ALBUM \$2.98**  
 Lead Me On; Shade Tree Music; When I Turn Off My Lights; Never Ending Song Of Love; Playing House Away From Home; You're The Reason; How Far Can We Go; You Blow My Mind; Easy Loving; Back Street Affair; I Wonder If You Told Her About Me; Get Some Lovin' Done.  
**8 TRACK TAPE - MCAT-9 \$4.98**

**LORETTA LYNN - MCA-113 ALBUM \$2.98**  
 Don't Come Home A Drinkin'; I Really Don't Want To Know; Tomorrow Never Comes; There Goes My Everything; The Shoe Goes On The Other Foot Tonight; Salt To A Sinner; The Devil Gets His Dues; I Can't Keep Away From You; I'm Living In Two Worlds; Get What Cha' Got And Go; Making Plans; I Got Caught.  
**8 TRACK TAPE - MCAT-113 \$4.98**

**LORETTA LYNN - MCA-444 ALBUM \$2.98**  
 They Don't Make 'Em Like My Daddy; Behind Closed Doors; If You Love Me; I've Never Been This Far Before; We've Already Tasted Love; Out Of Consideration; Trouble In Paradise; I Love; Don't Leave Me Where You Found Me; Ain't Love A Good Thing; Nothin'.  
**8 TRACK TAPE - MCAT-444 \$4.98**

**LORETTA LYNN - MCA-471 ALBUM \$2.98**  
 The Pill; Will You Be There; It's Time To Pay The Fiddler; Paper Roses; You Love Everybody Buy You; Mad Mrs. Jesse Brown; Back To The Country; The Hands Of Yesterday; I Can Help; Another You; Linda On My Mind; Jimmy.  
**8 TRACK TAPE - MCAT-471 \$4.98**

**LORETTA LYNN AND CONWAY TWITTY MCA-335 ALBUM \$2.98**  
 Louisiana Woman, Mississippi Man; For Heaven Sake; Release Me; You Lay So Easy On My Mind; Our Conscience You And Me; As Good As A Lonely Girl Can Be; Bye Bye Love; Living Together Alone; What Are We Gonna Do About Us; If You Touch Me; Before Your Time.  
**8 TRACK TAPE - MCAT-335 \$4.98**

**MILLS BROTHERS - MCA-188 ALBUM \$2.98**  
 Paper Doll; I'll Be Around; You Tell Me Your Dream; I'll Tell You Mine; Till Then; You Always Hurt The One You Love; Don't Be A Baby; Baby; Across The Alley From The Alamo; Be My Live's Companion; The Glow Worm; Queen Of The Senior Prom; Smack Dab In The Middle; Opus One.  
**8 TRACK TAPE - MCAT-188 \$4.98**

**PATTI PAGE - CS-9326 ALBUM \$2.98**  
 Tennessee Waltz; Cross Over The Bridge; Old Cape Cod; Doggie In The Window; Mister Mississippi; I Went To Your Wedding; Mockin' Bird Hill; Allegheny Moon; With My Eyes Wide Open I'm Dreaming; Changing Partners; Detour.  
**8 TRACK TAPE - 18C-09326 \$4.98**

**RAY PRICE - CS-8866 ALBUM \$2.98**  
 Crazy Arms; You Done Me Wrong; City Lights; Invitation To The Blues; I've Got A New Heartache; Who'll Be The First; Heartaches By The Number; The Same Old Me; Release Me; One More Time; My Shoes Keep Walking Back To You; I'll Be There.  
**8 TRACK TAPE - 18C-00094 \$4.98**

**CARL SMITH - CS-8737 ALBUM \$2.98**  
 Hey Joe; There She Goes; Old Lonesome Times; Are You Teasing Me; I Feel Like Cryin'; Doorstep To Heaven; Let Old Mother Nature Have Her Way; The Little Girl In My Home Town; If You Saw Her Through My Eyes; You're Free To Go; Gettin' Even; I Overlooked An Orchid.  
**8 TRACK TAPE - 18C-00110 \$4.98**

**ERNEST TUBB - MCA-16 ALBUM \$2.98**  
 Walking The Floor Over You; Rainbow At Midnight; Let's Say Goodbye Like We Slad Hello; Another Story; Thanks A Lot; Half A Mind; I'll Get Along Somehow; Waltz Across Texas; It's Been So Long Darling; Mr. Juke Box; I Wonder Why You Said Goodbye.  
**8 TRACK TAPE - MCAT-16 \$4.98**

**ERNEST TUBB - MCA-84 ALBUM \$2.98**  
 I'll Get Along Somehow; Slipping Around; Filipino Baby; When The World Has Turned You Down; Have You Ever Been Lonely; There's A Little Bit Of Everything In Texas; Walking The Floor Over You; Driftwood On The River; There's Nothing More To Say; Rainbow At Midnight; I'll Always Be Glad To Take You Back; Let's Say Goodbye Like We Said Hello.  
**8 TRACK TAPE - MCAT-84 \$4.98**

**ERNEST TUBB - MCA-341 ALBUM \$2.98**  
 I've Got All The Heartaches I Can Handle; The Texas Troubadour; Missing In Action; Don't She Look Good; A Daisy A Day; Texas Dance Hall Girl; Miles In Memories; The Lord Knows I'm Drinking; Pass Me By; What My Woman Can't Do; The Last Letter.  
**8 TRACK TAPE - MCAT-341 \$4.98**

**KITTY WELLS - MCA-121 ALBUM \$2.98**  
 It Wasn't God Who Made Honky Tonk Angels; This White Circle; Mommy For A Day; Release Me; I Gave My Wedding Dress Away; Amigo's Guitar; Heartbreak U.S.A.; I'll Repossess My Heart; Password; Searching; Making Believe.  
**8 TRACK TAPE - MCAT-121 \$4.98**

**KITTY WELLS - MCA-149 ALBUM \$2.98**  
 Dust On The Bible; I Dreamed I Sawed Heaven For You; Lonesome Valley; My Ones Are Waiting For Me; I Heard My Savior Call; The Great Speckled Bird; He Will Set Your Fields On Fire; We Buried Her Beneath The Willows; One Way Ticket To The Sky; I Need The Prayers; Matthew Twenty-Four; Lord, I'm Coming Home.  
**8 TRACK TAPE - MCAT-149 \$4.98**



## Selection and location...

(continued from page 13)

more modern fixture design and better controls on the market today, we will be seeing more and more use of fluorescent fixtures in new as well as in existing homes.

For outside uses, such as yard

lighting, confinement buildings, machine shops and other outbuildings, perhaps some of the other more efficient multivapor or high pressure sodium lamps could be a viable alternative. These lamps should certainly be given consideration when changes or additions are to be made in the future. Many lighting applications outside the home could involve using these high efficiency long-life lamps,

with an end result being more light for less dollars.

These suggestions and others could be discussed with the lighting retailers in your area as well as with your cooperative's power use advisor.

Better utilization and conservation need not mean a reduction in quality and quantity of light. In many cases, a better, more efficient application will be the new result.

### 100<sup>th</sup> ANNIVERSARY SPECIAL

# 25 GLADS \$1

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Kelly's Centennial collection of top-quality 1"-1 1/4" dia. gladiolus. Guaranteed to bloom this year. Dazzling array of vivid colors. Planting instructions included. Due to limited quantity, one offer to a customer. Send today.

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New and superior varieties...if bought by name they would cost \$2.40. Colors range from white to purple, pink, rose, yellow, lavender, orange.

This year we added **Red Beauty**, one of the brightest glads known. Big bulbs, 1 to 1 1/4 inches across. Glads will bloom for you this summer.

**Free Spring Catalog**

**INTER-STATE NURSERIES**

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Free Spring Catalog  20 Glads \$1.00

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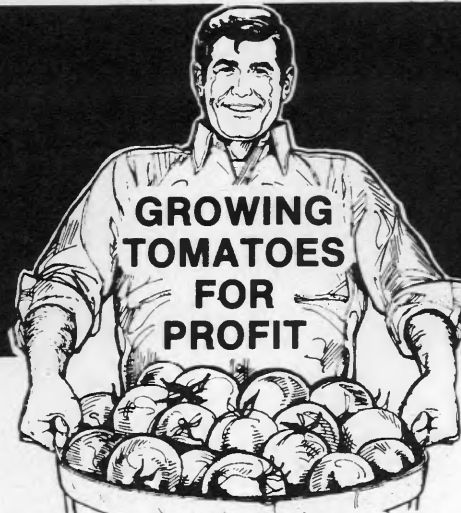
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Glads will be shipped at proper planting time



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Then, let us show you a system in full production. Our 30' x 124' greenhouse and the HYGRO-FLO™ tube system of growing produces \$15-20,000 worth of tomatoes each year. To increase your success potential, the company provides free schooling and continued technical help with fully trained personnel and marketing assistance.

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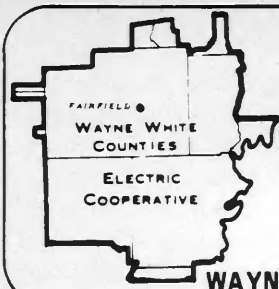
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(904) 265-3661



# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS

## Just what is 'energy conservation?'

"Energy Conservation" is a term being heard in more and more conversations each day. We know that to conserve means we must try to save energy, but the question of "why" often creeps into our thinking.

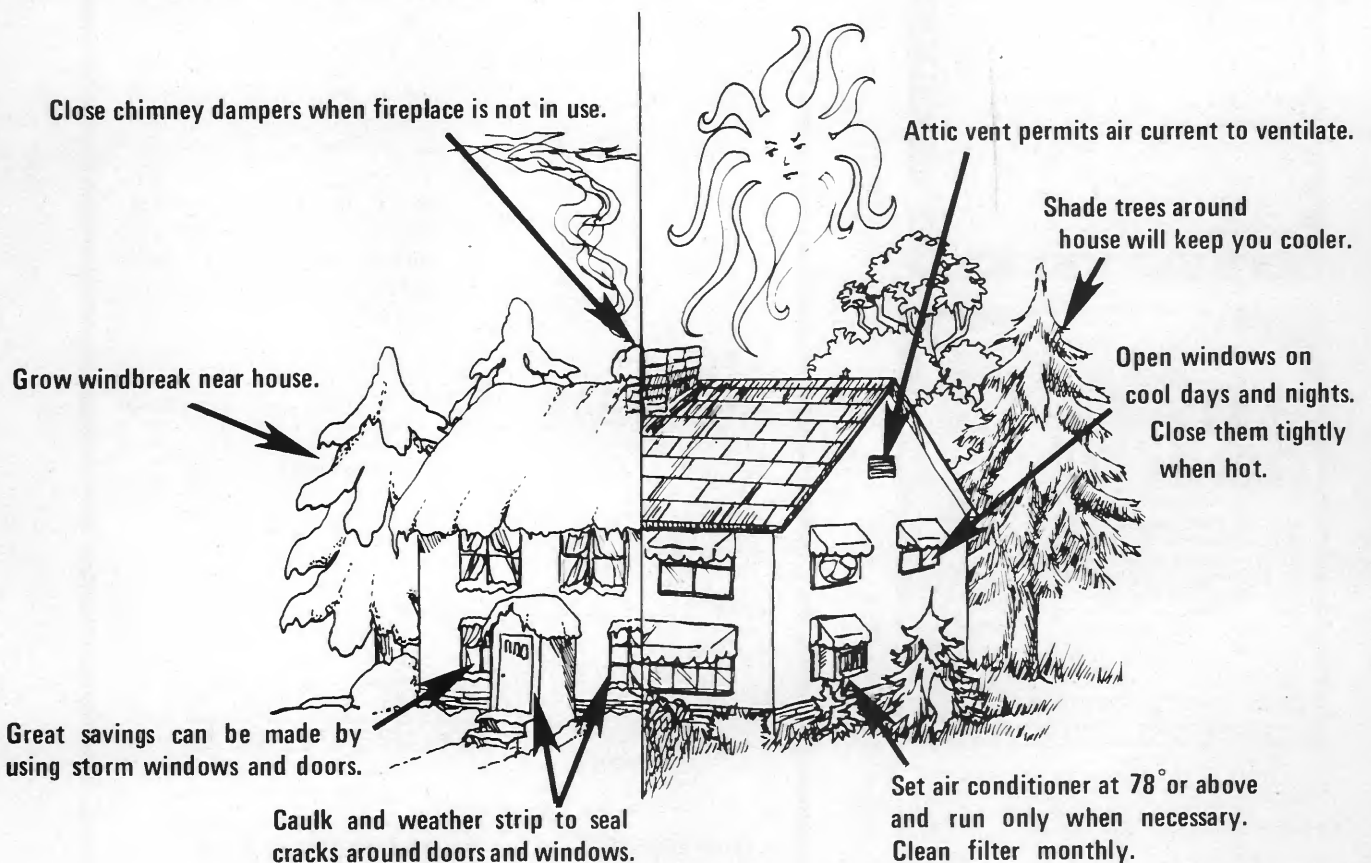
We know that energy has made possible our high standard of living. We use energy to heat and cool our homes, cook our meals, give us light, launder our clothes, provide us with entertainment--the list goes on and on. However, if there is to be enough energy to meet our energy needs now and in the future, we are going to have to start saving energy immediately.

The supply of fossil fuels needed to generate electricity is limited, yet our demand keeps rising. In addition to saving resources, we will be saving the environment, for pollution is a by-product of using energy.

By using energy more efficiently, not only will we be preserving natural resources and the environment, but we can also save money through energy conservation. Energy costs are steadily rising so it is more important than ever to save energy. It is true that electric costs are increasing, but by cutting demand, this will help to slow down the upward-climbing costs of electricity.

The latest estimates claim that the residential American wastes approximately 40 percent of the energy used in the home. Considering the fact that Americans consume 35 percent of the world's energy while representing only six percent of its population, this amounts to a great deal of wasted energy.

Energy conservation is truly good for the economy--yours and the country's. The following diagram gives some hints on how to save energy at home all year 'round.



## Standby generators:

# A help or a hazard

Electric energy is no longer a household luxury. Electricity has become an essential servant for farm and home—and it is no longer a minor inconvenience when the power goes off, especially if the outage lasts several hours or more.

For many, an outage means the discomfort of a furnace that does not run, or a refrigerator or freezer full of food that may spoil.

For others, a prolonged outage may mean that several hundred head of livestock in confinement buildings may die.

Whether electricity is a major convenience or an extreme necessity, you may be wise to look into the possibility of buying a standby generator for your farm or home. Electric cooperatives have built an admirable record for dependable service, but occasional, prolonged outages are unavoidable, usually due to severe weather such as tornadoes, lightning or ice storms.

Whether you buy a 35,000-watt generator or a 2,000-watt unit as many Southern Illinoisans did during the February ice storm outage, you should be absolutely sure your unit is isolated from the cooperative's lines any time it is generating current.

You can start up a generator any time and plug a few appliances into the outlets that are often built into such units. But any time you wire it into your home's fuse box or connect at the meter pole, you will need a double-throw switch. Such switches protect the linemen working to restore service, and they protect your generator, too.

When you are using current from cooperative lines, the transformer at your location is stepping the voltage down from 7,200 to the 120 and 240 that you use in your home. When you run your generator and it is hooked into the lines, the current flows the

other way, and the 120-volt electricity you are making flows into the transformer and goes out the other side as 7,200-volt current, ready to give a lethal shock to a lineman who may have assumed that the line was dead.

And, the double-throw switch protects your generator, too. When the current from the normal source comes back on, it may ruin your generator unless it is isolated from the lines by a double-throw switch.

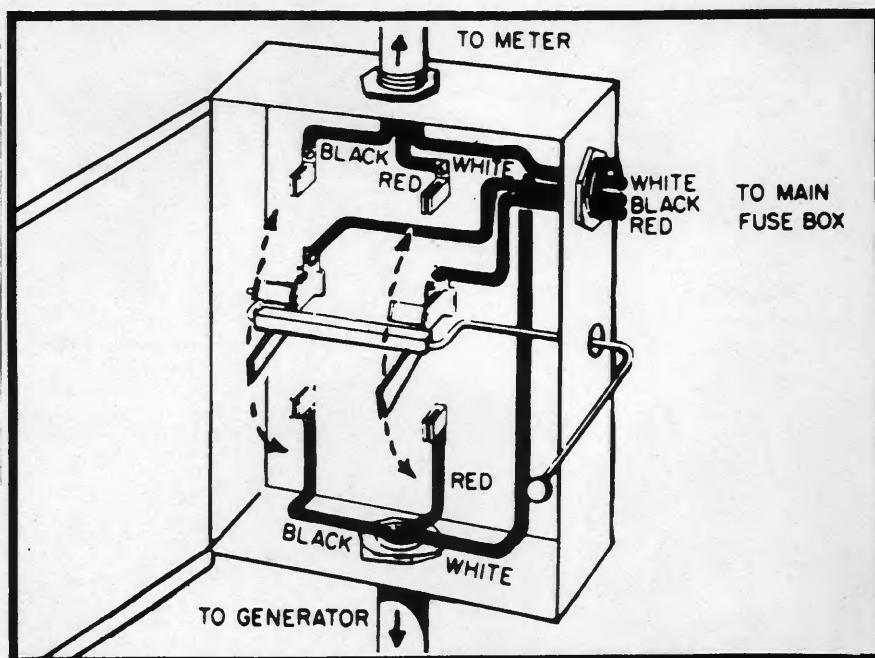
Determining the size of the generator you will need in the event of an outage may be a bit tricky, and may best be done with the help of your cooperative's power use advisor. Generally, though, the watt rating of the generator you purchase should be about equal to the total watts you might expect to need during an outage.

If the generator does not have

overload capacity, multiply the watt rating of your two largest motors by three, because a motor requires about three times as much current to start as it does to run.

A generator will be a help during an outage only if it's ready to go when an outage occurs. It should be stored in a dry, dustless place, but not covered too tightly (to prevent moisture condensation). And, it should be run briefly at least once every three months to ensure good running characteristics.

We hope you will not need to use a standby generator, but no electric distribution system that is exposed to wind and weather can hold up without occasional outages. If it is vital that you have electricity at all times, a source of standby power might be a good investment—but do not forget that double-throw switch.



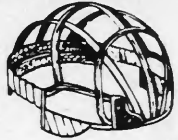
**Double-throw switches protect the linemen working to restore service and they protect your generator, too.**



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Style C545



Style C-925



Style C-944



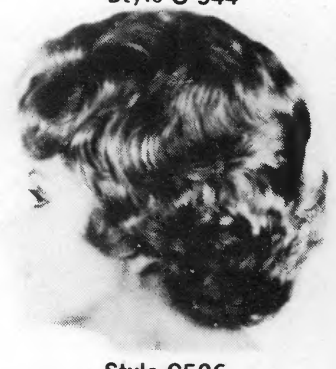
Style C-740



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Style C-124



Style C526



Style C-946



Style C-724

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- C-727
- C-124
- C-946
- C-944
- C-174
- C-927
- C-724
- C-545
- C-925
- C-903
- C-526
- C-740

Check Box of Color Desired (or Send a sample of Your Hair for Expert Matching)

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- Light Brown
- Medium Brown
- Dark Brown
- Light Blonde
- Medium Blonde
- Dark Blonde
- Ash Blonde
- Platinum
- Light Auburn
- Medium Auburn
- Dark Auburn
- Light Frosted
- Dark Frosted
- Mixed Black & Grey
- Mixed Brown & Grey

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- PREPAID: I enclose \$7.95 for one wig plus \$1.50 for shipping & handling
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- PREPAID: SAVE \$2.00. I enclose \$13.90 plus \$3 for shipping & handling for any 2 wigs

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Doing their homework was part of the agenda for those attending the regular quarterly meeting of the Illinois Electric Cooperative Managers' Association. In this photo, C. E. Ferguson, manager of Coles-Moultrie Electric Cooperative, and Walt Smith, manager of Illini Electric Cooperative, take notes during a presentation.

is scheduled to receive \$123-million this winter.

Problems with the program last year centered around delays in payment to utilities by the administering agencies, Wayne E. Curtis, manager of the State of Illinois ECAP program, told the managers.

He promised that such delays would be minimized this year.

A highlight of the meeting was a program comparing the CBS broadcast of Harry Reasoner's "60 Minutes" report on the nuclear Clinton Power Station with the actual footage shot at the site and in the offices of the Illinois Power Company (IP).

Illinois Power had videotaped Reasoner's interviews and combined clips of their tapes with those from the November 25 broadcast, indicating that "60 Minutes" had edited out, presented incorrectly, or ignored salient facts about the witnesses' testimony about the plant's construction.



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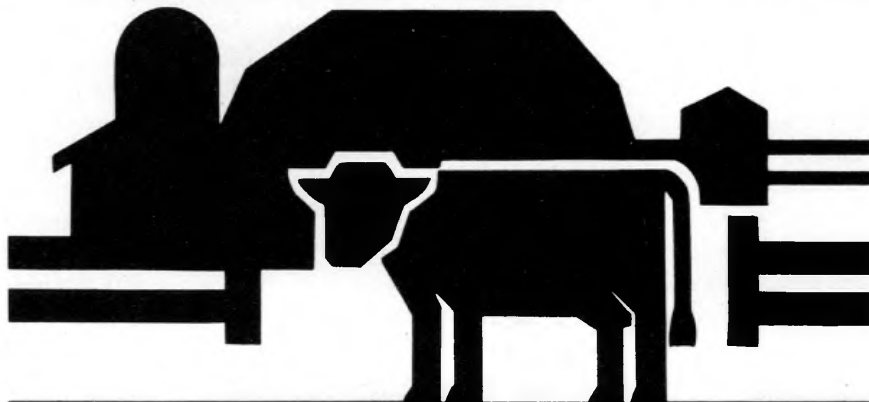
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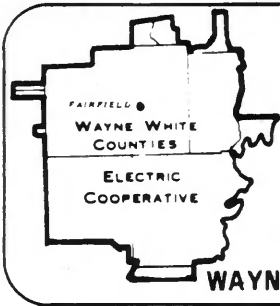
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# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS

## *The Inevitable Result*

# YOU Pay When They Don't!

Groups of no-growth activists calling themselves "environmentalists," "friends of the earth" and "consumer advocates" have scored yet another victory against the very consumer they profess to fight for. Loudly proclaiming that they are "out to set matters straight" in return for all the "rip-offs," certain of these groups have convinced the Illinois Commerce Commission that the majority of consumers believe that all utilities are guilty of grossly unfair collection practices and that they gleefully take advantage of poor consumers who can't pay their bills. (For impact, they often cite the case of the elderly couple found frozen to death after their power was disconnected for nonpayment.)

Usually, by the time you're 15 years of age, you've learned full well that no sizable groups of people has more baddies in it than any other group—whether the group is made up of utility directors and employees or do-gooders marching under the banner of "public action councils." You know that no utility employee would deliberately cause a death. Yet, a spate of new "protect the poor consumer" laws has been enacted. The ICC, mistaking the activists' insistent whines as the voice of the people, has passed laws that were designed to deal harshly with a far greater threat than any that exists or could exist.

The new laws will bring joy to the hearts of those who pay their bills only when they are forced to. Delinquent bill payers will go on piling up bigger and bigger bills that become more and more impossible to pay. How do you feel about paying for

social benefits on your electric bill as well as your tax bill?

The following editorial from the November 19, 1978 edition of the Chicago Tribune is an unbiased account of how unfair these recent regulatory developments are to those who do pay their bills. (Apparently, however, the Tribune underestimated the power of the activists. The new law pertains not only to disconnecting service to the elderly but to anyone who doesn't pay his bill during the winter.)

In Chicago, in Springfield, and around the country, pressure is building up for laws prohibiting utility companies from cutting off service to the elderly when bills go unpaid. The Illinois Commerce Commission is considering prohibiting the suspension of gas and electricity service when the temperature is below 20 degrees Fahrenheit, but the Illinois Public Action Council wants the prohibition to apply throughout the winter.

This kind of pressure is easy enough to understand, especially after the last two cruel winters and with a third being forecast.

But the solution being urged by today's activists, many of whom seem to think the utilities are wrong no matter what they do, are simplistic and unfair.

If there is a social obligation to see that the incompetent elderly are not left without essential services, and we believe there is, it cannot be met simply by dumping the burden on others who happen to be in the utility business, leaving them without any way of collecting their money and thus forcing their other customers to pay more than their share. After all,

used gas cannot be repossessed like a used car. Last year, in Chicago alone, Peoples Gas wrote off 49,000 accounts involving \$7.3 million as uncollectible; the number rose sharply after the government stopped making direct payment for the bills of people on welfare.

If a whole class of customer is to be protected from penalty for not paying for service simply because the service is considered essential, would an elderly person be justified in taking an overcoat from a department store without paying for it simply because he was cold?

No. There are better ways to cope with the problems of the few without inviting wholesale abuse. The problems are that some elderly people are either too broke or too incompetent to pay their bills, and that when some landlords fail to pay their bills, the tenants may suffer.

The latter problem is addressed by a state bill signed by Gov. Thompson in September. It requires utilities to notify tenants when service may be cut off because of the landlord's failure to pay. It also allows them to pay the bill themselves and deduct it from their rent.

As for other customers, many utilities, including those in Chicago (and WWCEC as well), have elaborate procedures of notification before

## **After hours payment depository**

For the convenience of our members, we have an after regular hours payment depository located at the front of our headquarters building.



service is cut off; Peoples Gas already follows the temperature rule being considered by the ICC. It notifies appropriate government agencies before turning off service. It urges that third parties be designated for notification when bills to the elderly or ill

go unpaid (WWCEC provides lists of all its disconnects, not just those of the elderly and the ill, to responsible authorities in the areas where the delinquent bill payers live.) And still the volume of delinquency rises, most of it inexcusable.

Blanket laws forbidding the suspension of service would only encourage this kind of delinquency and shift the burden to others. The better solution lies in notification procedures which, if scrupulously adhered to, would protect those who deserve protection.



## Sophomores, Juniors, Seniors Enter Your Essay Now. . .

One boy and one girl will receive an expense-paid trip to Washington, D. C. June 6-13, 1980.

Five boys and five girls will be participants in 1980 "Illinois Rural Electric Youth Day" held in Springfield April 23, 1980.

Cash prizes will be given under the following conditions: A minimum of six essays from your school must be submitted in order to qualify for the cash awards.

Fifteen dollars will be given to the girl and fifteen dollars to the boy with the best essays from each school.

### Eligibility:

Any high school sophomore, junior or senior living within the Wayne-White Counties Electric Cooperative service area is eligible. They need not live in a home receiving electricity from the Cooperative.

Members of the immediate family of the board of directors, employees and winners of previous Washington, D.C. trips are not eligible.

### Suggested Topic:

"What's the Future for Electric Power"



### Form:

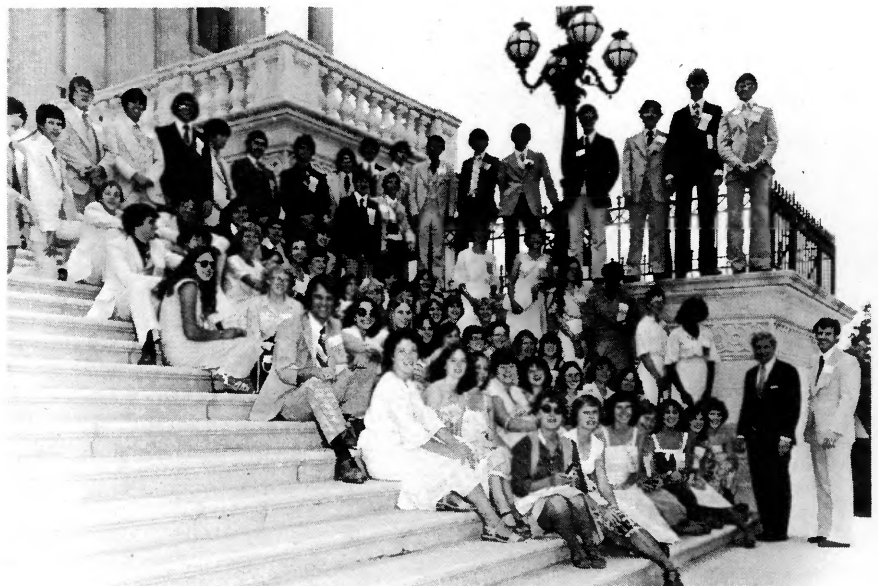
Length--not less than 500 nor more than 1,000 words. Typed on 8½ by 11 inch paper, double spaced and on one side only. Number each page. Do not type your name on the essay; type it on a separate sheet. Preliminary judging will be made by number.

### Information:

May be obtained from Wayne-White Counties Electric Cooperative office, Fairfield, Illinois or the schools in the cooperative area.

### Entry:

Deliver the essay to the teacher in charge or mail to Wayne-White Counties Electric Cooperative, Drawer E, Fairfield, Illinois 62837, no later than February 29, 1980.



**Sponsored by Wayne-White Counties Electric Cooperative  
Fairfield, Illinois**

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# Time is running out on tomorrow's electricity!

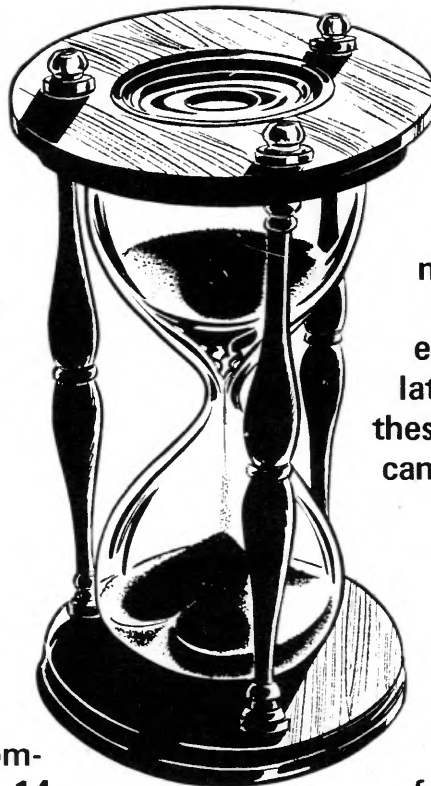
It's too bad we can't stockpile electric energy for the lean years. It must be produced as needed to meet demand.

Despite energy conservation, demand will increase over the next 20 years because of population growth and reliance on electricity to replace gas and oil. Conservative government and industry forecasts show the need to build 500 new generating plants to meet that demand.

## So what's the problem?

A coal-fired power plant started this year could take 10 years to complete and a nuclear plant, 14 years. It takes from five to seven

years just for the paperwork on the average coal-fired plant . . . years that cost the consumer dearly.



Each day of construction delay in the regulatory jungle adds as much as \$300,000 to the cost of a coal-fired plant. Regulators themselves now admit that about 40 percent of the average electric bill goes for regulation. Illinois can't afford these delays, and consumers can't afford to pay the cost of unneeded delay.

We need reasonable, orderly regulation that serves the public interest. We need regulatory reform before time runs out on our electric energy supplies.



---

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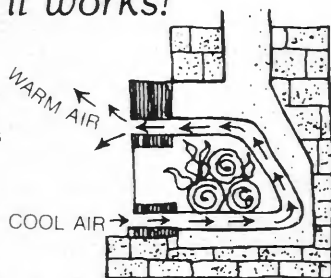
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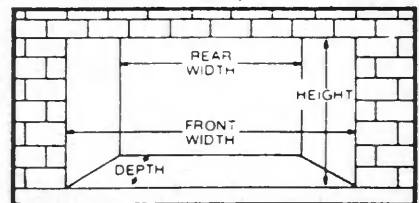
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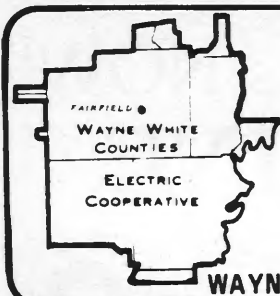
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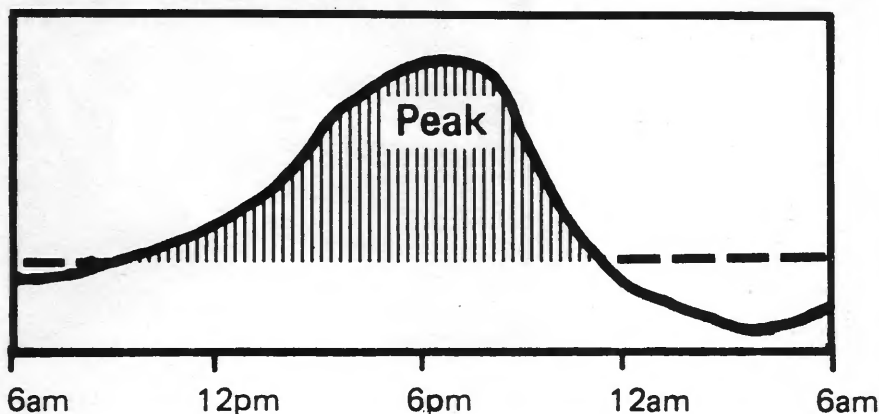




# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS

## Ways you can control electric use



Wayne-White is sponsoring "Condition 90" as one of its efforts to help consumers control peak demand and rising energy costs. We've explained the cost factors involved in peak demand, why it happens and how load management can help, and we've asked for your cooperation during times of temperature extremes.

Now we want to show you how you can control your use of electricity.

The term "load shifting" means distributing your electric use to different times of the day. As we have said, peak demands usually occur between the hours of 10:00 a.m. and 8:00 p.m. during the summer, especially on very hot days and during extended "heat waves." Obviously, you should try to shift as much of your heavy electric use as possible to hours before or after those peak times.

It's not difficult to do. You might think of it as budgeting. First you must determine how you use the most electricity. Then you need to "budget" times before or after the 10 a.m. to 8:00 p.m. hours for that usage.

In most homes, the heaviest demand appliances used during the summer are the air conditioner, the

electric range and oven and the dishwasher. Controlling the times you use these appliances will be your best effort at controlling peak demand.

For instance, instead of setting aside a particular "laundry day," it's better to wash a few loads on several days. Put in a load and wash when you get up in the morning. By the time you've finished breakfast, that load can be put in the dryer and you'll be using that energy during a low-demand period.

Or you can wash a load during the late evening hours, and put those clothes in to dry just before bed. When you get up in the morning they'll be dry. Use cold water whenever possible to do the laundry. Water heaters are among the highest demand appliances in a home.

Making the best use of your electric range and oven is important in controlling use. If you have to cook during those peak demand hours, it's best to cook one-dish meals such as casseroles, cook as many items in the oven at one time as possible, and try to avoid use of the oven and the range burners at once.

If you have a microwave oven, use it as much as possible. Microwaves are very energy efficient and don't heat up the kitchen. Another good

alternative to range and oven cooking is the slow-cooker which is also a low demand appliance. And both methods are time and energy savers for the homemaker.

It's especially important for the working housewife to avoid the urge to do everything just after coming home from work in an effort to "get it over with." Use the suggestions above for preparing evening meals, let the dishes wait for a little while after dinner or go ahead and rinse them but don't turn the dishwasher on until just before bed.

Weekends are a good time to do chores which involve heavy demand appliances because demand is much lower on those days. Make that special full meal for Sunday dinner and use leftovers for soup and casseroles throughout the next week. Do heavy laundry that requires hot water and long drying time on Saturdays.

The refrigerator is an appliance that uses a lot of energy but it simply isn't a "shiftable" one. You can make good use of it however by making sure it's set by the right temperature and that your family doesn't stand in front of the open door for a long time trying to decide what they want to eat.

These few simple efforts can make a big difference. Along with setting your air conditioner at a reasonable temperature (78 degrees or above), shifting the use of other appliances is something we can all do with no expense and very little inconvenience. These individual efforts will help reduce demand on your electric system. It's like voting — you may think one vote doesn't really count but what if no one made the effort.

# CONDITION 90

You've heard a lot about peak demand. You know it usually occurs between the hours of 10:00 a.m. and 8:00 p.m. on hot summer days. You also know that utilities have to burn expensive fuels and have extra generating capacity available for just those particular periods.

But did you ever think about why it happens when it does?

It's really quite simple. The hours between 10:00 a.m. and 8:00 p.m. are the hottest hours of the day, the hours when everyone wants to operate their air conditioners. This time period is also when people come in from work, cook dinner, do laundry and try to get their everyday chores out of the way so they can enjoy the evening.

Those activities also involve the use of a lot of electricity and the appliances needed to do those chores are usually heat producers, which pump more hot air into homes and cause air conditioners to work harder. All that creates a great demand for electricity.

During winter months peak demand times are different. Each day there are two periods when the most energy is demanded, early morning hours between 7:00 a.m. and noon, and again in the evening between 6:00 p.m. and 9:00 p.m. During spring and fall and on weekends, peak demands are much lower than during summer and winter. There are periods of the day when the most energy is used, but those peaks aren't very high.

What it all comes down to is temperature control.

During spring and fall and on weekends, people still come home and cook dinner, do laundry and finish

household chores. What they don't do is demand energy for heating and cooling. And that obviously makes the most difference.

It is estimated that about half of the energy demanded by Americans is accounted for by heating or cooling homes and that means the control of peak demand should involve control and use of space heating and cooling equipment.

That's a big problem. No one wants to swelter in the heat of the summer afternoons or shiver through winter mornings and nights. You are probably willing to wait a little later to cook dinner and wash clothes but are you willing to be uncomfortable? Few of us are.

This summer, think of energy use in terms of priorities. If you want to enjoy the comfort provided by your air conditioner and are still concerned about controlling energy costs, it will be especially important to regulate your use of other appliances, especially those that produce heat while running.

Most of the high-demand appliances in a home are great heat-producers. Consider how hot a kitchen can get when meals are being prepared, even if the air conditioner is operating and the rest of the house feels comfortable. Stand next to a clothes dryer when it's running and feel the heat it generates. You can tell how hot a dishwasher becomes by trying to unload it just after it stops. The dishes are usually too hot to touch.

The why behind the when of peak demand is largely attributable to comfort. That's why the annual system peak demand, that one

15-minute interval on one day of the year when we use our greatest amount of electricity at one time, usually occurs during the period of temperature extreme. These periods of temperature extreme are when expensive oil-fired "peaking" units are run along with older, less efficient, coal-fired generating units to provide the capacity needed to meet that system peak demand.

No one is saying that being comfortable is being frivolous. In some cases, people can't live in very hot temperatures since their very lives are dependent upon staying in a regulated environment. It is widely known that people concentrate better and are much more productive in their jobs if the temperature is at a reasonable level.

It all comes down to priorities. By placing sensible priorities on our energy use now we can help meet other important priorities, energy cost and future energy supply. This summer on days when the temperature is predicted to reach 90 degrees or above, you will hear radio broadcasts identified by the words "Condition 90" urging you to use your heat-producing appliances during the early morning hours or after 8:00 p.m. We urge you to set your priorities and help us lower your energy costs this summer and assure energy supplies for the future.

"Condition 90" is a consumer education program sponsored by your electric cooperative in cooperation with Central Illinois Light Company and Central Illinois Public Service Company.

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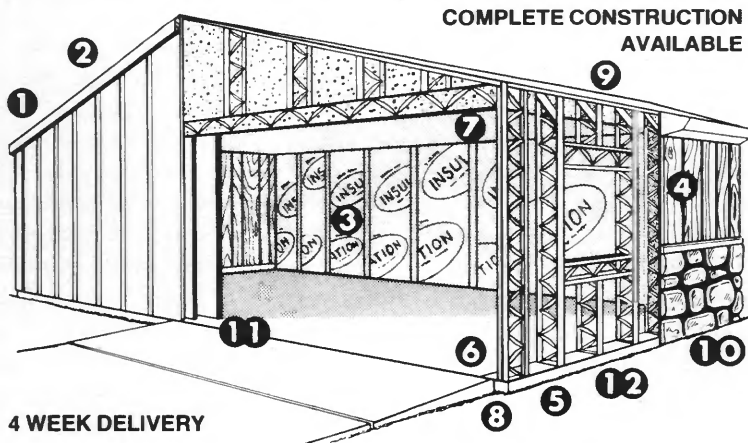
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to insure comfortable, efficient, economical operation.

Your cooperative's specialist can help you determine the size of unit needed. Don't make the mistake of thinking that big is best. Get the exact size needed.

Compare brands, price and value. Look for certification seals such as Underwriters' Laboratories and Air-Conditioning and Refrigeration Institute.

The EER, energy efficiency ratio, is a indication of the heat pump's

cooling efficiency. The COP, coefficient of performance, is an indication of its heating efficiency. The higher the EER and COP the greater the cooling and heating efficiency of the unit.

Shop for a reliable dealer. Ask about the total costs, remembering that the lowest bid may not be the best quality installation price. Check for parts and service availability. Be sure to compare service, warranty and service contracts as you do size and cost of the heat pump.

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Oh, I tried to keep going. In Paris I limped through Notre Dame and along the Champs-Élysées. And I went up in the Eiffel Tower although I can't honestly say I remember the view. My feet were so tired and sore my whole body ached. While everybody else was having a great time, I was in my hotel room. I didn't even feel like sitting in a sidewalk cafe.

The whole trip was like that until I got to Hamburg, Germany. There, by accident, I happened to hear about an exciting breakthrough for anyone who suffers from sore, aching feet and legs.

This wonderful invention was a custom-made foot support called Flexible Feather-spring. When I got a pair and slipped them into my shoes my pain disappeared almost instantly. The flexible shock absorbing support they gave my feet was like cradling them on a cushion of air. I could walk, stand even run. The relief was truly a miracle.

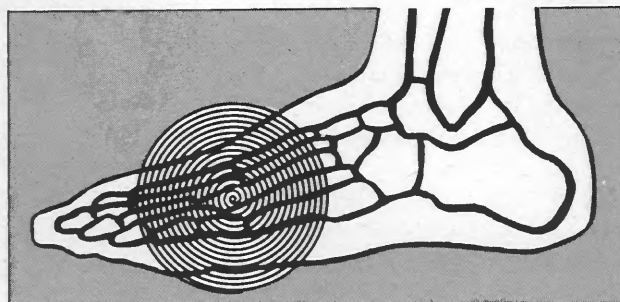
And just one pair was all I needed. I learned that women also can wear them—even with sandals and open backed shoes. They're completely invisible.

Imagine how dumbfounded I was to discover that these miraculous devices were sold only in Europe. Right then I determined that I would share the miracle I discovered in Germany with my own countrymen.

Over a quarter million Americans including those who have retired—many with foot problems far more severe than mine—have experienced this blessed relief for themselves.

Here's why Feathersprings work for them and why they can work for you. These supports are like nothing you've ever seen before. They are custom fitted and made for your feet alone! Unlike conventional devices, they actually imitate the youthful elastic support that Nature originally intended your feet to have.

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ends, painful ankles, old injuries, backaches or just generally sore, aching feet, Flexible Feathersprings will bring you relief with every step you take or your money back..

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*"My husband felt a great relief and no more pain. They are truly an answer to our prayers. Only wish that he had heard of them twenty years ago."* Mrs. F. S./Metairie, Louisiana

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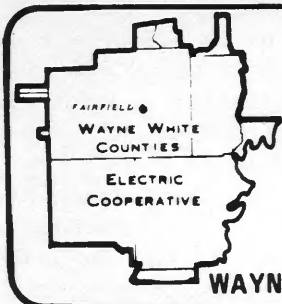
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# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS

## Late June, early July storms batter Wayne-White

Where were you when the lights went out? This question could have been asked of many of our members after the storms the last part of June and the first of July.

On June 28 and 29, the members in the north part of our system learned what wind, rain and lightning combined could do. The men from Wayne-White went into action working to get everyone back into service. On June 29th, most everyone had service restored. Then the men started the long task of replacing broken poles and repairing wires.

On July 2, just after the men had left work for the day, about 5:30 p.m., the members on the south part of our system received one of the worst storms they had seen in years. There were limbs and trees on our lines, services down and poles broken. Wayne-White's power supplier, Central Illinois Public Service Company, had some of our substations off because of a broken pole near Albion.

Our men again hit the field and the phones and radio were manned by the office staff on a round-the-clock basis.

On July 6 we saw the last storm go through our territory. At this time we are still repairing damage from the storms.

We would like to thank all our members who were understanding, considerate and helpful during the crisis, even though they were inconvenienced.



## Charles Mann retires after 40 years with Wayne-White

After 40 years, Charles Mann, operating superintendent, trades in his hard hat for a straw hat.

Charles started work for the cooperative in 1940 as a groundman, numbering poles and reading meters; then moving on to work with Elmo Gates, former manager of Clay Electric Cooperative in Flora, as serviceman in the Grayville area until leaving for the armed service in the early 1940s. Upon returning home in 1945, Charles went to work on the construction crew out

of Fairfield. From 1945 to 1963 he worked in all capacities in both construction and maintenance work.

Cloyd Musgrave retired in 1963 as operating superintendent and Charles took over that position.

That, in a nutshell, describes 40 years of dedicated service to Wayne-White Counties Electric Cooperative and all its members. From all of us at Wayne-White Electric, we would like to say thank you, Charlie.







Tim Reeves

R.T. Reeves

### Board selects son as successor

## Southern's Reeves retiring

**R**T. "Tom" Reeves, manager of Southern Illinois Electric Cooperative, Dongola, has announced plans to retire after almost 40 years of service to the cooperative. He will step down at the end of this year.

Floyd Dillow, Dongola, president of the cooperative's board of directors, said the board has selected Tim Reeves, 32-year-old son of the retiring manager, to succeed his father as manager of the electric distribution cooperative which serves approximately 9,000 member-owners in parts of six counties.

"Tim Reeves has been involved with the rural electrification program for most of his lifetime," Dillow said. "He has excellent qualifications for the job. Of course, I've known him all his life, and he came to us with good recommendations from Egyptian Electric Cooperative Association, where he's worked for the last six years. He's well qualified and I think he'll do a good job for our members."

Jim Holloway, manager of Steelville-based Egyptian, echoed Dillow's remarks. "I thought Tim had a lot of talent and good potential," Holloway said, "and I elevated him to staff assistant in 1976 and promoted him to assistant manager two years later. He'll be sorely missed here. He has the

background for the job, and he should make an excellent manager.

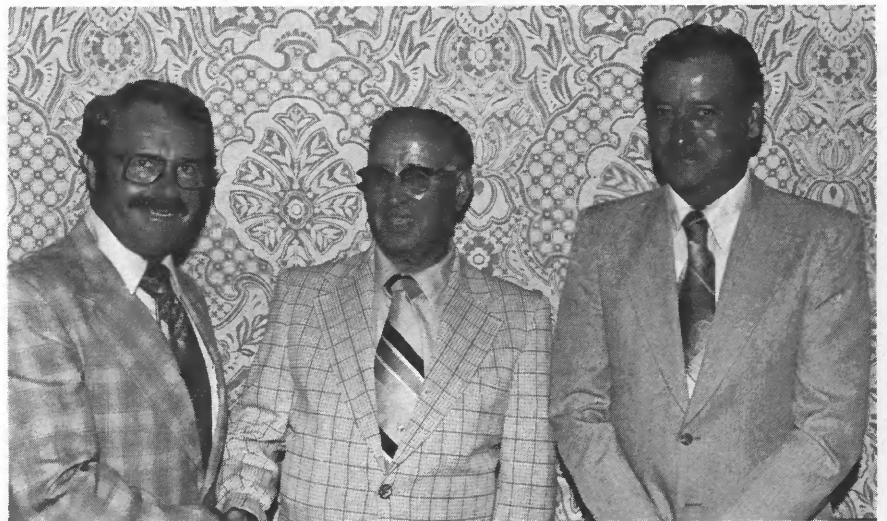
"The real beneficiaries of this succession are the members of Southern Illinois Electric Cooperative — they're getting an excellent manager," Holloway concluded.

Tom Reeves has worked at Southern for 38 years, with three years out for wartime service with the U. S. Navy. He began work as office manager, and became manager of the cooperative in 1954.

Dillow praised Tom Reeves for his management ability and leadership in helping the cooperative face challenges and solve problems over the years. "One of our big problems was power supply," Dillow said, "and we all had something to do with getting Southern Illinois Power Cooperative going and getting the plant at Marion built. Naturally, Tom was right in the middle of it all. He's had a fine relationship with the entire board and we've been very happy with him. He's done a fine job, I'd say."

Reeves and his wife, Eulita, plan to do some traveling after retirement, and perhaps to spend their winters in warmer climates, and Tom expects to get in some fishing and golfing.

The younger Reeves and his wife, Carol, have a two-year-old daughter, Cherie. He served three years in the U. S. Army, achieving the rank of First Lieutenant, and graduated from SIU-Carbondale in 1973. He worked for a household products firm for a year before joining Egyptian Electric Cooperative.



*Glen Morton of Paloma, left, Adams Telephone Co-Operative director, has been elected president of the Illinois Telephone Cooperative Association. Also elected at the ITCA annual meeting at Springfield in July were Wilson Barclay of Macomb, center, McDonough Telephone Cooperative director, who was reelected secretary-treasurer, and Sheldon Orwig, of Smithfield, a director of Mid-Century Telephone Cooperative, elected vice president. Eldon Snowdon, manager of McDonough Telephone Cooperative, was elected chairman of the advisory council, and Jack Douglas, manager of Adams Telephone Co-Operative, was named vice chairman.*



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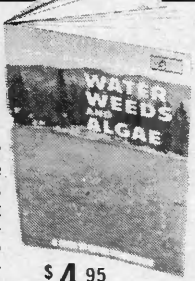
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**Lincoln Land Community College**  
(Continued from page 5)  
fans, two in each of three buildings, ran continuously. The system had to be shut down manually when the college was closed. Now, the computer shuts down the fans — on an alternating basis — for 15 minutes each hour and controls the amount of outside air that is mixed into the system. The computer, which cost \$65,000, is expected to save more than \$40,000 a year.

Another facet of the school's energy-saving drive was reflected in the scheduling of a four-day week during the nine-week summer session in 1978. With electrical costs running anywhere from \$600 to \$1,000 a day, costs were expected to be reduced by about 20 percent. In addition, students and faculty members were able to avoid driving to school a day a week, so fuel costs were effected, too.

LLCC has also undertaken a long-range energy conservation plan with a three-stage priority system. High priority items are those with a high cost-effectiveness. The plan covers everything from installing more

efficient parking lot lights to integrating a 3,000-watt wind generator into the school's electrical system.

Under the program, lower-wattage fluorescent tubes have been installed in areas where a slight reduction in light would not be detrimental, and an incandescent track-mounted lighting system in the student game-room was replaced by a ceiling-suspended fluorescent setup. The school has an experimental solar collector system which is expected eventually to provide a substantial part of the heating and cooling requirements for Mason Hall, one of the buildings on campus.

Using a 13.7-percent annual average rate of increase for fuel costs, the school's architects project a savings of \$8-million in the next 20 years, even if only stages I and II are completed. And with the Hot Line School teaching improved techniques and safety to linemen from all over the state, there may be several lives saved, too, thanks to the forward-looking leadership at Lincoln Land Community College.



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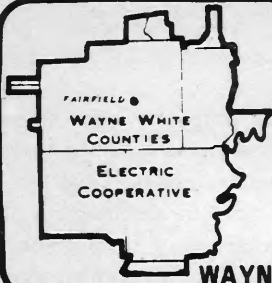
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# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS



## THE DAY THERE WAS NO THANKSGIVING

November 25, 1776.

The British had just captured 3,000 Americans; our northern forces were in retreat. Winter was setting in. Tired and dispirited, with precious little to be thankful for, the Continental Army struggled on . . . and on.

Because they did, thirteen colonies became the nucleus for a great and powerful nation. Because they did, we have a heritage of strength and indomitability on which to build for the future.

Because they wouldn't give up, we Americans have much to be thankful for on this 27th day of November, 1980.

# How to cool your hot water costs

Your electric water heater is a large part of your total electric bill. But there is an economical way to reduce this cost. You see, the more insulation your electric water heater has, the less energy it uses, and the more money you save. Your water heater already has some insulation between the tank and outer metal cover. But it'll pay you to wrap another layer of insulation around it. The cash outlay is so little and the payback is so rapid, you'll recover your costs in a few months. After that, you'll enjoy lower hot water costs for the life of the appliance.

In the average home between 35 percent and 50 percent of total water use is hot water.

## ESTIMATED WATER USE

A. Tub bath	10-15 gal.
B. Shower (under 5 min. duration)	8-12 gal.
C. Automatic washer	25-35 gal.
D. Automatic dishwasher	11-16 gal.
E. Hand wash dishes (each time)	9-14 gal.
F. Shampoo	5-7 gal.
G. Cleaning	3-8 gal.
H. Food Preparation	5 gal.

## AVERAGE HOT WATER USED PER DAY

2 adults - 1 child	-60 gal.
2 adults - 2 children	-70 gal.
2 adults - 3 children	-80 gal.

## Cost of Operation

- A. Approximately 17 percent of the total-electric bill of an all-electric home goes to water heating.
- B. About 47 percent of the total-electric bill for the all-electric home without electric heat is for the electric water heater.

## Standby Heat Loss—Water Heater

- A. Standby heat loss varies on water heaters depending on the location, the size of the heater and the amount of insulation used.
- B. Average standby losses vary from 4 watts per sq. ft. to 7.9 watts per sq. ft., depending on the thickness of insulation used.  
Square feet of tank area averages about—  
26 sq. ft. for a 50-gallon heater  
30 sq. ft. for a 66-gallon heater  
36 sq. ft. for a 80-gallon heater

## Insulation

- A. Most tanks on electric water heaters are fitted with 1" of fiberglass or mineral wool insulation.
- B. Wrap jacket of electric water heater (top/sides) with batt insulation. Cover joints with tape. Increasing insulation 3" to 5" will save from 5 percent to 11 percent in standby heat loss.

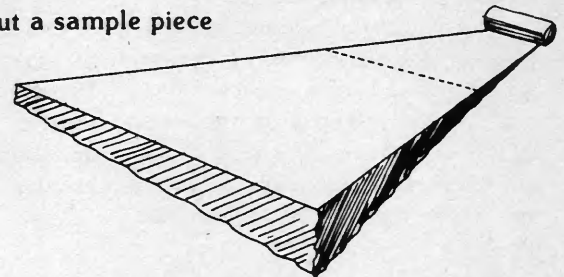
## Materials needed:

1. 3½" R-11 blanket type
2. Duct tape
3. Scissors or knife
4. Tape measure

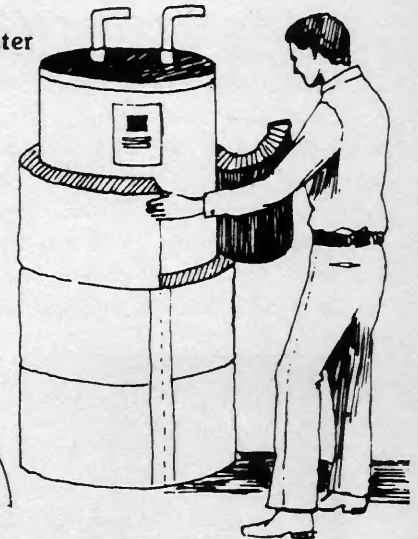
## A. Measure



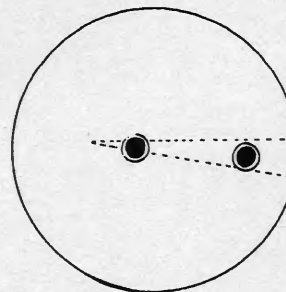
## B. Cut a sample piece



## C. Place around heater



## D. Cut piece for top



**CAUTION:**  
Don't cover pressure relief valve with insulation.

## Electric water heater efficiency notes:

1. Before insulating, check the thermostat setting. It shouldn't be above 150 degrees.
2. Wait until you have a full load before running the automatic dishwasher or clothes washer.
3. Don't leave hot water running while handwashing dishes or shaving.
4. Use warm or cold water when possible for clothes washing, and always use cold water for rinsing.
5. Take short showers or shallow tub baths.

*Reproduced from TVA material.*



## Electric and telephone cooperatives praised for rural life contributions

Electric and telephone cooperatives were cited as being strong developmental influences in improving rural life by the Senior Vice President of the Cooperative League of the U. S. A. during a banquet officially marking the observance of October as Cooperative Month.

Dr. Allie Felder paid tribute to Illinois' and the nation's rural electric and telephone cooperatives, as well as the more than 400 cooperatives which are active in Illinois.

He said Illinois might very well be called the "cooperative king" as he noted that variety of cooperative organizations made up of hundreds of thousands of Illinoisans.

More than 300 Illinois cooperative leaders attended the banquet, a buffet-style dinner held at the Governor's Mansion in Springfield. The function was the initial observance of Cooperative Month, and was followed

during the rest of October by activities on the local level. As in the past, the Cooperative Month observance was coordinated by the Illinois Cooperative Coordinating Committee.

Dr. Felder recalled the beginning of the cooperative movement in Europe, saying that American cooperatives developed in four ways: immigration of Europeans to this country, incidental discovery of

*Thomas H. Moore, Executive Vice President and General Manager of the Association of Illinois Electric Cooperatives, addresses the more than 300 Illinois cooperative leaders who attended the Cooperative Month banquet October 6 in Springfield. Looking on are Illinois Director of Agriculture John Block (left), featured speaker Dr. Allie Felder (right) and Glenn Webb, master of ceremonies.*

cooperatives by Americans traveling in Europe, lessons earned through direct contact with foreign cooperatives through the International Cooperative Alliance and deliberate investigations of the European cooperative movement by presidential commissions organized as early as the first part of this century.

He noted that credit unions form the largest bloc of cooperatives, enrolling approximately 31.5-million Americans. Agriculture marketing and supply cooperatives handle more than 37 percent of the agriculture products in the country, 75 percent of the dairy products, 40 percent of the grain, 30 percent of the cotton, 30 percent of the fruits and vegetables, 40 percent of the petroleum, 35 percent of fertilizer and 32 percent of all agriculture chemicals.

Dr. Felder is a graduate of the University of Illinois with a master's degree in rural sociology and economics.

Glenn Webb of Tunnel Hill, newly elected Chairman of the Board and President of Growmark, Inc., served as master of ceremonies. Webb is the son of Ray Webb, former Southeastern Illinois Electric Cooperative and Southern Illinois Power Cooperative Director. He also is a brother of present Southeastern Director Kenneth Webb.





matter of locating and repairing hundreds of small breaks in the lines, but they all took time. The same story, with minor variations, explains the predicament Southeastern found itself in, Cummins noted, but since Southeastern suffered more damage initially, cleanup was taking longer. While Southeastern crews were still hard at work and Egyptian's were just breathing sighs of relief, a second — more severe — storm hit.

"At about 5 p.m. on Wednesday, July 2, with our system still weakened from the June 28 storm, we suffered the worst storm in our history," Cummins told his audience, adding, "Our crews were still tired from the long hours they'd put in repairing the damages caused by the first storm. We serve a total membership of just over 17,000, and 14,000 of them were out of service when the storm ended. They weren't alone, though, because all the other power suppliers in the area were hit hard, too."

Again, falling trees were the major cause of trouble. All outside crews were called back in for a long work session, two crews were borrowed from Southern Illinois Electric Cooperative and 50 contracted personnel were called in to augment the cooperative's seven line and four forestry crews. Back at the office, the switchboard and radio were staffed around the clock. "Still," Cummins said, "some members who couldn't reach the cooperative by phone were really irritated. Our switchboard can handle normal business calls, but it was swamped during the outage."

Both men agreed that while the storms were severe and the outages long, there was only a limited opportunity to take advantage of outside aid because of the nature of the damage.

"The breaks in our lines were small and widely scattered," Kuhn said, "and we made it a policy to send one of our men, in a radio-equipped vehicle, with each work crew. His job was to find the trouble spots for them. When we ran out of men who knew the system, we couldn't use more crews. All a crew could do if it didn't have a guide would be to drive around looking for trouble spots and they wouldn't be able to do any kind of systematic repairs."

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# Wayne-White News

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE 618-842-2196 FAIRFIELD, ILLINOIS



## A Holiday Wish for You

Since we cannot all get together to sing you Christmas carols the Board of Directors and employees of Wayne-White Counties Electric Cooperative would like to take this opportunity to wish you and yours a Merry Christmas and a Happy New Year.

Royce Carter Jack Kelley Robert D. Glover  
 James Paul Harold Ziminsky  
 Stanley Keathouse Jim Merritt  
 Elmo E. Burgess Joyce Vaughan Dale Warren  
 Bill Lydick Melvin Magiola  
 Leon Carter Weldon Galcher  
 Steve K. Spier Norris Thomason Steve Moore  
 Bill Johnson Charles S. Fortsfield John Kudley  
 Richard E. Willard Luther Dunn J. D. Locke  
 Robert S. Meyer  
 Richard K. Hubel



James L. Wade

Shelw Stull

Jan Garner

Donald Jones

Carl Merritt

Danell Abel

Gulyp Edwards

Kenneth Nordmann

Pat Nolan

Jo Phillippe

Dale Harris

Lester Elliott

Bob Mitchell

Vera Beard

Joe Zimmerman

Joe Malt

Pat Jamison

Elmer Powell

Larry J. Hoselton

Everett McConnell

Jerry Carter

Lauren Bester

Jack Allan Emery

Gene Gufford

Bill Richards

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Harold Weaver  
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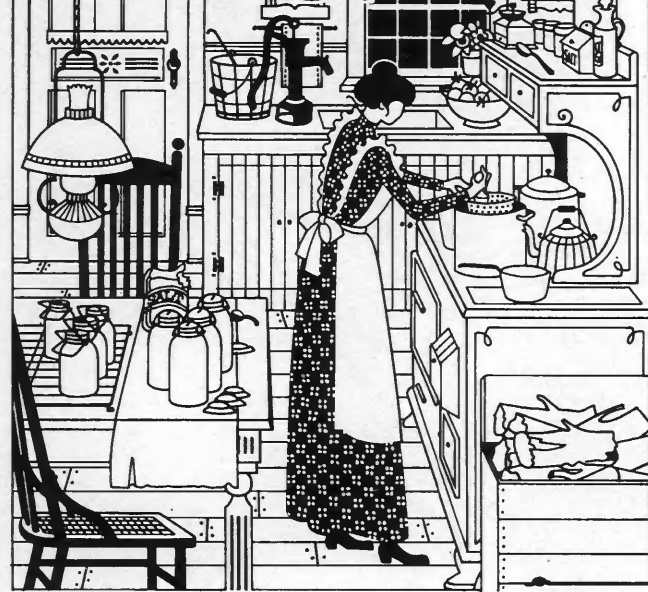
May you have  
the Spirit of Christmas  
which is Peace  
the Gladness of Christmas  
which is Hope  
the Heart of Christmas  
which is Love.





# Cooking for the

# holiday season...



## AMBROSIA COOKIES

- |                           |                                 |
|---------------------------|---------------------------------|
| 1 cup butter or margarine | 1 1/2 cups rolled oats          |
| 1 cup brown sugar         | 1 cup nuts, chopped             |
| 1 cup granulated sugar    | 1 cup seedless raisins          |
| 2 eggs, beaten            | (I prefer bleached ones)        |
| 2 cups flour              | 1 cup dates, chopped            |
| 1 teaspoon baking powder  | 1 tablespoon grated orange rind |
| 1/2 teaspoon soda         | 1 tablespoon grated lemon rind  |
| 1/2 teaspoon salt         | 1 teaspoon vanilla              |
| 1 cup coconut             |                                 |

- I add to this:**  
 1 cup candied cherries, chopped  
 1 cup candied fruit cake mix

Cream butter or margarine. Add brown and white sugars gradually, creaming well. Add beaten eggs and mix well. Sift together flour, baking powder, soda and salt. Stir into creamed mixture, beating until smooth. Add vanilla and mix well. Add all other ingredients and mix thoroughly. May have to use hands for mixing. Drop from a teaspoon onto greased baking sheets. Bake at 375 degrees for about 12 minutes. Makes 7 doz.

## CHOCOLATE SOUR CREAM FUDGE

- |  |                                |
|--|--------------------------------|
| 2 cups sugar                                     | 2 tablespoons light corn syrup |
| 1 cup dairy sour cream                           | 2 tablespoons butter           |
| 2 sqs. Unsweetened chocolate, broken into pieces | 1 teaspoon vanilla             |
| 1/2 teaspoon salt                                | 1/2 cup chopped nuts           |

Combine sugar, sour cream, chocolate, salt and syrup in heavy 2 qt. saucepan with cover. Cook and stir over low heat until sugar dissolves. Cook over medium heat until boiling; cover and cook for 3 minutes. Uncover and cook, stirring frequently, to soft ball stage. Remove from heat. Add butter and vanilla. Cool to lukewarm without stirring. Beat vigorously until candy is creamy and has lost its gloss. Add nuts and pour into buttered 8-inch square pan. Cut into 1 1/4" squares when hard.

## RASPBERRY MERINGUE BARS

- |                                    |                             |
|------------------------------------|-----------------------------|
| 1 cup (2 sticks) butter            | 1/2 teaspoon almond extract |
| 1/2 cup firmly packed brown sugar  | 3 egg whites                |
| 1 egg                              | 3/4 cup sugar               |
| 2 cups all purpose flour           | 1/2 cup flaked coconut      |
| 1 jar (12 oz.) raspberry preserves | 1/2 cup sliced almonds      |
| 1/2 cup seedless raisins           |                             |

Preheat oven to 325 degrees. Cream butter and brown sugar until light and fluffy. Blend in egg. Stir in flour; mix well. Spread dough in buttered 13" x 9" baking pan. Bake 25 minutes. Meanwhile, combine preserves, raisins and extract. Spread over baked cookie base. Beat egg whites until foamy. Gradually beat in sugar. Continue beating until stiff peaks form. Gently fold in coconut and almonds. Spread over raspberry mixture. Return to oven and bake until meringue is lightly browned, about 20 minutes. Cool in pan. Cut into 48 bars.

## POPPY SEED DRESSING

- |                         |                           |
|-------------------------|---------------------------|
| 1 1/2 cups sugar        | 3 tablespoons onion juice |
| 2 teaspoons dry mustard | 2 cups salad oil (Wesson) |
| 2 teaspoons salt        | 3 tablespoons poppy seeds |
| 3/4 cup vinegar         |                           |
- Mix ingredients, beat and chill overnight. Serve over fresh fruits.

## HASH CANDY

- |                                  |                         |
|----------------------------------|-------------------------|
| 2 large or 18 small Hershey bars | 1 can evaporated milk   |
| 1 pkg. chocolate chips           | 1 jar marshmallow creme |
- Melt candy bars and chocolate chips in double boiler, and remove from heat. Stir milk and marshmallow creme into chocolate mixture. Mix well. Add nuts if you wish and marshmallows. Mix well.

## NEAPOLITAN COOKIES

- |                              |  |
|------------------------------|--|
| 2/3 cup butter               | 1 1/2 teaspoons baking powder                |
| 1 cup sugar                  | 1/2 teaspoon salt                            |
| 1 egg                        | 1/3 cup finely chopped nuts                  |
| 1 teaspoon vanilla           | 1 sq. unsweetened chocolate, melted          |
| 2 1/4 cups all purpose flour | 1/4 cup chopped maraschino cherries, drained |
| Few drops red food color     |  |

Cream butter; gradually add sugar and beat until light and fluffy. Beat in egg and vanilla. Combine flour, baking powder and salt; gradually mix into creamed mixture to form a stiff dough. Stir in nuts. Divide dough into thirds. Add chocolate to one third. Add food color and cherries to second third. Leave remaining third plain. Shape each color into a roll 14" long; flatten to a width of 1 1/2". Place layers one on top of the other. Press lightly. Cut into 2 equal pieces, each 7" x 11 1/2". Wrap tightly in waxed paper. Refrigerate several hours or overnight. Preheat oven to 375 degrees. Cut dough into 1/8" thick slices; place on unbuttered cookie sheets. Bake until lightly browned, about 8 minutes. Cool completely on wire racks.

## GINGER BEER CAKE

- |                       |                     |
|-----------------------|---------------------|
| 1 box yellow cake mix | 1 tablespoon ginger |
| 1 1/2 cups beer       | 1 teaspoon cinnamon |
| 2 eggs                | 1/4 teaspoon nutmeg |
- Combine dry ingredients, eggs and beer. Mix well. Turn into bundt pan and bake at 350 degrees for 35 minutes or until brown. Frost with:
- |                           |                    |
|---------------------------|--------------------|
| 1 stick margarine         | 1 cup pecans       |
| 1 8-oz. pkg. cream cheese | 1 teaspoon vanilla |
| 1 box powdered sugar      |                    |

Combine margarine, cream cheese and vanilla. Gradually add sugar, blending well. Stir in pecans.

## CROWN JEWELS CAKE

- |                               |   |
|-------------------------------|---|
| <b>Cake:</b>                  | 1/4 cup EACH: diced dried apricots, diced candied cherries, seedless raisins, chopped nuts. |
| 1 cup (2 sticks) butter       |   |
| 1 pkg. cream cheese (8 oz.)   |   |
| 1 1/2 cups sugar              | <b>GLAZE:</b>   |
| 4 eggs                        | 1 cup sifted confectioners sugar  |
| 2 1/4 cups sifted cake flour  | 1 1/2 tablespoons milk  |
| 1 1/2 teaspoons baking powder | 1/2 teaspoon almond extract   |
| 1/4 teaspoon salt             | Candied cherries  |
| 1 teaspoon vanilla            | Whole almonds   |

Preheat oven to 325 degrees. For cake, beat butter and cream cheese in large mixer bowl until creamy. Add sugar; beat until light and fluffy. Add eggs, one at a time, beating well after each addition. Combine flour, baking powder and salt. Gently fold dry ingredients into creamed mixture. Stir in vanilla, fruit and nuts. Pour batter into well-buttered and floured 10-inch fluted ring tube pan. Bake until wooden pick inserted near center comes out clean, about 70 minutes. Cool on wire rack 15 minutes. Remove cake from pan. Cool completely. For glaze, combine first three ingredients; stir until smooth. Drizzle over top of cake. Decorate with cherries and almonds.

## OLD FASHIONED FILLED COOKIES

- |                               |                                   |
|-------------------------------|-----------------------------------|
| 3/4 cup (1 1/2 sticks) butter | 2 3/4 cups all purpose flour      |
| 1 cup sugar                   | 1/4 teaspoon soda                 |
| 2 eggs                        | 1/2 teaspoon salt                 |
| 1 teaspoon vanilla            | Cherry Pastry and Dessert filling |
| 1 teaspoon grated lemon peel  |                                   |

Cream butter; gradually add sugar and cream until light and fluffy. Beat in eggs, vanilla and lemon peel. Combine flour, soda and salt; stir into creamed mixture. Cover and chill. Preheat oven to 375 degrees. Roll out cookie dough on lightly floured surface to 1/8" thickness. Cut into 2 1/2" circles. Using a smaller cutter, cut out small design in center of half the circles. Place plain circles on cookie sheets. Top each circle with 1 teaspoon cherry filling. Top with cookies with centers cut out. Press edges lightly with floured fork to seal. Bake 10 to 12 minutes. Remove to wire racks to cool.

## MULLED CIDER

- |                           |                             |
|---------------------------|-----------------------------|
| 3 quarts apple cider      | <b>Spice Bag:</b>           |
| 2 cups of orange juice    | 1/2 teaspoon ground nutmeg  |
| 2 lemons, sliced thin     | 3 teaspoons ground allspice |
| 1/2 cup light brown sugar | 1 teaspoon cinnamon         |
| 3/4 cup granulated sugar  | 4 cinnamon sticks (broken)  |
| 1 cup of water            |                             |

Mix cider, orange juice, sugars and water in kettle. Tie spices in bag and place in liquid and let boil 4 or 5 minutes. Add lemon slices. Cover a few minutes and simmer. Remove bag and serve hot. Serves 18. Leftover can be stored and reheated. Add small amount of water or more cider if syrupy.