

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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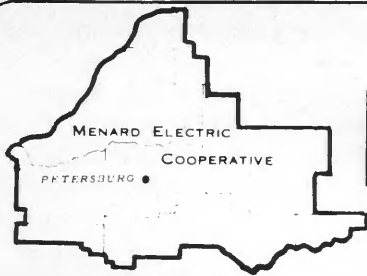
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October Is Co-op Month.

Cooperatives- Focus On The Future.



Co-op Comments

Mr. and Mrs. Glen Worth of R.R. New Holland celebrated their 25th wedding anniversary on October 6. Mr. Worth retired on May 1, 1972, as the Assistant Manager of your cooperative.

Mr. and Mrs. Emerson Crawford, R.R. Petersburg, will celebrate their 40th wedding anniversary on October 23. Marjorie is a secretary-payroll clerk for your cooperative.

During the week of October 6, three of your cooperative linemen attended an advanced training hotline school at Lincoln Land Community College, located on the south side of Springfield. The hotline school is sponsored by the Association of Illinois Electric Cooperatives as part of their training and safety program. This was

the first session of the hotline school to be held at LLCC. Previous training courses have been at Carbondale, Illinois. Mark Bradley, Terry Cutright and Marcel Verrault, journeyman linemen of your cooperative, attended the first session.

During the week of October 20, three journeyman linemen of your cooperative will be attending the Underground Rural Distribution Training School, also at Lincoln Land Community College. Terry Entwistle, Petersburg, Don Riser of Manito, and Dave Atterberry, Buffalo, will represent your cooperative.

Mr. and Mrs. Wayne Jones, R.R. 3, Petersburg, are the proud parents of a daughter, Mary Katherine, who was

born September 1, 1980. She was welcomed home by a sister and three brothers. Wayne is the Office Manager for your cooperative.

Earlier this year, approximately 700 members of your cooperative participated in an appliance survey, wherein the cooperative was attempting to determine future load growth throughout the cooperative service area. We appreciate the response of the members involved, and are sure that the results will be of significant importance to the cooperative in our long range engineering programs. Three awards were presented by a drawing conducted recently and winners thereof are: Carl Brooks of Dawson, Don Downs of Peoria, and Timothy Horchem, Forest City. Again, our thanks to all who participated in this survey.

Several months ago, I saw a bat, the first in several years, and could live the balance of my life without being exposed again. There must be at least 100 or more species of bats in the world, but the "Indiana Bat" is posing delays in a 1½ billion dollar synthetic fuels plant, scheduled to be built near Owensboro, Kentucky.

In the State of Utah, along the tar sands of the White River, the Fish and Wildlife Department have been trying to get rid of a "Squaw Fish" for a number of years. Plans have been underway for sometime to develop the rich oil shale and tar sands of the area, however, it appears now that significant delay will be created in order to retain the natural habitat of the trash fish called "Squaw." In our complex society, it appears that "if we dare, it must be in favor of the fish or bat." How did an intelligent, democratic society, of which we are all a part, get into such a mess?

Members win attendance awards

Members of your cooperative who received attendance awards at the 43rd Annual Meeting, which was held on June 21st, are as follows:

Art Kramer, Kilbourne
Harold Rogers, Petersburg
Robert Lowers, Easton
Wayne Watts, Green Valley
Robert Sampson, Petersburg
Raymond Edge, Chandlerville
Paul Brown, Springfield
L. N. Kern, Alexander
Olin Kennedy, Forest City
Earl Ebken, Kilbourne
Thelma Bailie, Pleasant Plains
Nancy Biggs, Middletown
Carroll Cline, Pleasant Plains
Kenneth Cox, Virginia
Harold Deverman, Greenview
Richard Dolack, Williamsville
Richard Eilers, Oakford
Carl Gathman, Manito
Mary Gibson, Havana
Wayne Henderson, Williamsville
Donald Keith, Mason City
David Kramer, Kilbourne
Curtis Kruse, Petersburg
McHarry Lynn, Mason City
Wayne Lynn, Kilbourne
Charles Masten, Tallula
Anthony McCaskey, Springfield
Lois Montgomery, Petersburg
Earl Murdock, Kilbourne
Henry Neumann, Petersburg
William Payauys, Springfield
Darrell Pfeiffer, Forest City
Phillip Satorius, Petersburg
Clifford Wallace, Ashland
Ed Yardley, Topeka

Those receiving proxy awards are as follows:

Robert Backs, Petersburg
Norma Bilyeu, Manito
Vernon Edwards, Petersburg
Delas Johnson, Middletown
Lynn Johnson, Elkhart

Fuelish Facts

In these energy-conscious times, it often seems our circuits are overloaded with commercials that tell us to conserve gasoline, posters saying that fast is fuelish, and messages urging us to drive less and pool it. We are told to keep tuned up, think BTU-tiful, and even to do it in the dark. We are given warnings about fossil fuels, dinosaur cars, and oil-company profits.

What are we to believe? Are we the abusers of our planet? Are we the victims of the OPEC nations and government red tape? And what can we as individuals do about it anyway?

To check on your personal understanding of the present energy crisis and the way it affects you, take this quick quiz. If you answer more than half of the questions correctly, you either study the energy situation, peeked at the answers, or guess well.

1. Most energy on the earth comes from:
 - A. water
 - B. nuclear fission
 - C. the atmosphere
 - D. the sun
2. The United States has 6 percent of the world's people and uses the following portion of the world's energy:
 - A. 6 percent
 - B. 15 percent
 - C. 30 percent
 - D. 50 percent
3. The largest supplier of energy in the United States is now:
 - A. oil
 - B. coal
 - C. natural gas
 - D. nuclear
4. By the year 1990, it is expected that the main supplier of energy in the United States will be:
 - A. oil
 - B. coal
 - C. natural gas
 - D. nuclear plus solar
5. Of the following, the one using most energy in a home is:
 - A. lights
 - B. hot water
 - C. refrigerator
 - D. cooking stove
6. In a home without insulation, the biggest loser of heat will be:
 - A. doors
 - B. walls
 - C. windows
 - D. ceilings
7. The most efficient home insulation is:
 - A. cellulose fiber
 - B. rock wool
 - C. glass fiber
 - D. brick
8. The least effective way to save fuel in homes is to:
 - A. use gas heat
 - B. use a fireplace
 - C. insulate with treated paper
 - D. turn thermostats down

ANSWERS

1. (D.) Almost all the earth's energy comes from the sun, even water power. One large county receives as much energy from the sun in a day as the United States uses in a year. Fossil fuels have stored solar energy.
2. (C.) The high standard of living in the United States and other developed countries depends upon using energy for transportation, manufacturing, agriculture, and physical comforts.
3. (A.) Almost half of United States energy now comes from oil, and about half of that is imported. We are running low on natural gas; coal and nuclear present major environmental problems.
4. (A.) Even if we start to make big changes today, in 1990 oil will still be our main energy supplier. Coal will continue to give us more energy than nuclear or solar.
5. (B.) Space heating takes most home energy, even with thermostats set around 68° Fahrenheit in winter. Next is hot water, which uses at least three times as much energy as a cooking range or a refrigerator.
6. (D.) Hard to believe, but many United States homes have no insulation at all. With hot air rising, the ceiling is the big energy loser. A home needs its entire overcoat buttoned up in winter.
7. (A.) Bulk shredded paper, treated with special chemicals, can insulate an attic well. Look at the pros and cons of various fibers and foams, then choose for your job. Brick, stone, or concrete are poor insulators.
8. (B.) You are lucky if more than 10 percent of the heat from your fireplace goes to warm your house. Much heat also escapes up chimneys left open after a fire. Use a fireplace for fun, not basic heating.

— Dr. Chris Buetho

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8 TRACK TAPE - 8TM-1870 \$4.98

GENE AUTRY - CS-1035 ALBUM \$2.98
Mexicali Rose; Boots And Saddle; Have I Told You Lately That I Love You; You Are My Sunshine; South Of The Border; Sioux City Sue; Mule Train; Someday You'll Want Me To Want You; Goodnight Irene; Home On The Range; I Love You Because; That Silver Haired Daddy Of Mine; Red River Valley; Buttons And Bows; Back In The Saddle Again.
8 TRACK TAPE - 18C-1035 \$4.98

PATSY CLINE - MCA-12 ALBUM \$2.98
Walking After Midnight; Sweet Dreams; Crazy; I Fall To Pieces; So Wrong; Strange; Back In Baby's Arms; She's Got You; Faded Love; Why Can't He Be You; You're Stronger Than Me; Leavin' On Your Mind.
8 TRACK TAPE - MCAT-12 \$4.98

PATSY CLINE - MCA-87 ALBUM \$2.98
I Fall To Pieces; Follin' 'Round; The Wayward Wind; South Of The Border; I Love You So Much It Hurts; Seven Lonely Days; Crazy; San Antonio Rose; True Love; Walking After Midnight; A Poor Man's Roses; Have You Ever Been Lonely.
8 TRACK TAPE - MCAT-87 \$4.98

PATSY CLINE - MCA-90 ALBUM \$2.98
She's Got You; Heartaches; That's My Desire; Your Cheatin' Heart; Anytime; You Made Me Love You; Strange; You Belong To Me; You Were Only Fooling; Half As Much; I Can't Help It; Lonely Street.
8 TRACK TAPE - MCAT-90 \$4.98

PATSY CLINE - MCA-224 ALBUM \$2.98
Faded Love; I'll Sall My Ship Alone; When You Need A Laugh; Crazy Arms; Always; When I Get Thru With You; Blue Moon Of Kentucky; Someday You'll Want Me To Want You; Who Can I Count On; You Took Him Off My Hands; Your Kinda Love; Does Your Heart Beat For Me.
8 TRACK TAPE - MCAT-224 \$4.98

RAYMOND FAIRCHILD - RRRF-254 ALBUM \$2.98
WORLD'S GREATEST COUNTRY BANJO PICKER - 30 GREAT INSTRUMENTALS 5 STRING BANJO-FID-DLE-MANDOLIN-DOBRO GUITAR
Whoa Mule; Carolina Breakdown; Turkey In The Straw; Little Darling Pal; McKinley's White House Blues; Blue Grass Bugle; Lonesome Road Blues; False Hearted Love; Nine Pound Hammer; Old Joe Clark; McCormack's Picnic; Red Wing; Cripple Creek; Girl I Left Behind Me; Under The Double Eagle; Raymond's Talking Banjo; Cotton Eyed Joe; Cumberland Gap; Raymond's Banjo Boogie; Crooked Creek; Boll Them Cabbage Down; Pretty Polly; Learning On Jesus; Sugar Foot Rag; Train Forty-Five; Earl's Breakdown; Cindy; John Hardy; Banjo Filing; Orange Blossom Special.
8 TRACK TAPE - TRR-254 \$4.98

RED FOLEY - MCA-86 ALBUM \$2.98
I'll Fly Away; The Last Mile Of The Way; No Tears In Heaven; Were You There; This World Is Not My Home; My Soul Walked Through The Darkness; I Just Can't Keep From Cryin'; Lord I'm Coming Home; Only One Step More; Stand By Me; Farther Along; Life's Railway To Heaven.
8 TRACK TAPE - MCAT-86 \$4.98

RED FOLEY & KITTY WELLS MCA-83 ALBUM \$2.98
One By One; Just Call Me Lonesome; As Long As I Live; A Wedding Ring Ago; Make Believe; Candy Kisses; You And Me; Memory Of A Love; I'm A Stranger In My Home; I'm Throwing Rice; No One Buy You; I'm Counting On You.
8 TRACK TAPE - MCAT-83 \$4.98

RED FOLEY - MCA-147 ALBUM \$2.98
Beyond The Sunset; Should You Go First; Peace In The Valley; Steal Away; Just A Closer Walk With Thee; Out Lady Of Fatima; The Place Where I Worship; Someone To Care; The Rosary; Will The Circle Be Unbroken; Old Pappy's New Banjo; I Hear A Choir; When God Dips His Love In My Heart.
8 TRACK TAPE - MCAT-147 \$4.98

LEFTY FRIZZELL - CA-9288 ALBUM \$2.98
Saginaw, Michigan; Mom And Dad's Waltz; Release Me; Asways Late (With Your Kisses); I Love You A Thousand Ways; She's Gone Gone Gone; If You've Got The Money I've Got The Time; The Long Black Vell; I Want To Be With You Always; Shine, Shine, Shower (It's Saturday); A Little Unfair.
NO TAPE AVAILABLE

GUY LOMBARDO - MEDLEYS MCA-103 ALBUM \$2.98
Blues In The Night; The Birth Of The Blues; I Gotta Right To Sing The Blues; Memories; Let The Rest Of The World Go By; My Buddy; Secret Love; Love Nest; Love Is The Sweetest Thing; Something To Remember You By; The Very Thought Of You; You're My Everything; Kiss Me Again; A Kiss In The Dark; I'll See You Again; By The Light Of The Silvery Moon; Shine On Harvest Moon; Moonlight Bay; As Time Goes By; Bldin' My Time; Breezin' Along With The Breeze; I Want To Be Happy; I'm Looking Over A Four Leaf Clover; Happy Days Are Here Again; April Showers; September In The Rain; I Only Have Eyes For You; If I Could Be With You; It Had To Be You; In A Shanty In Old Shanty Town; Three Little Words; Baby Face; Somebody Loves Me; Don't Take Your Love From Me; What Is This Thing Called Love.
8 TRACK TAPE - MCAT-103 \$4.98

LORETTA LYNN - MCA-5 ALBUM \$2.98
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.
8 TRACK TAPE - MCAT-5 \$4.98

LORETTA LYNN - MCA-6 ALBUM \$2.98
You Ain't Woman Enough; Put It Off Until Tomorrow; These Boots Are Made For Walkin'; God Gave Me A Heart To Forgive; Keep Your Change; Someone Before Me; The Darkest Day; Tippy Toeing; Talking To The Wall; A Man I Hardly Know; Is It Wrong; It's Another World.
8 TRACK TAPE - MCAT-6 \$4.98

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; Handin' 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; Saint 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 Searched 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

features, other things to give important consideration are:

Duct system — it must be properly designed and adequately sized, as heat pump performance is hampered, and some experts say mechanical problems are hastened, by inadequate duct systems particularly undersized air ducts.

Indoor thermostat — it should have two stages of heating, one of cooling.

Supplemental heat — automatic resistance-type heaters either in unit or in duct.

Heat switch — for manual activation of the resistance-type heaters, in case the compressor becomes inoperative; sometimes referred to as the emergency heat switch.

Outdoor thermostat — used to prevent the supplemental heat from switching on before needed, helping

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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My Feet Were Killing Me...Until I Discovered the Miracle in Germany!

It was the European trip I had always dreamed about. I had the time and money to go where I wanted—see what I wanted. But I soon learned that money and time don't mean much when your feet hurt too much to walk. After a few days of sightseeing my feet were killing me.

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 Featherspring. 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.

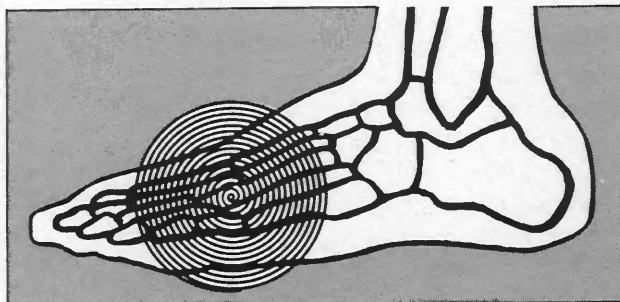
And just one pair was all I needed. I learned that women also can wear them—even with sandals and open backed shoes. They're completely invisible.

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.

Whatever your problem—corns, calluses, pain in the balls of your feet, burning nerve



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.

Don't suffer pain and discomfort needlessly. If your feet hurt, the miracle of Germany can help you. Write for more detailed information. There is no obligation whatsoever. No salesman will call. Just fill out the coupon below and mail it today.

WHAT PEOPLE SAY ABOUT THE MIRACLE:

Received my wife's Feathersprings two days ago. They are super—neither of us can believe the results. She has had terrible feet for years; already no pain. Incidentally, her sore knee is much better . . . As a retired physician, this result is amazing. Dr. C.O.C./Tucson, Arizona.

"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

"I have checked your corporation with (A Consumer Protection Agency), and received an excellent report." H.S.H./Louisville, Kentucky

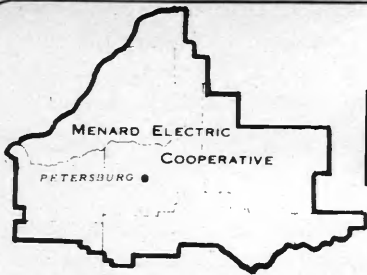
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Menard Electric News

MENARD ELECTRIC COOPERATIVE 217-632-7746 PETERSBURG, ILLINOIS 62675



Energy Conservation Tips

- Use fluorescent, rather than incandescent, bulbs where possible.
- Burn one 100-watt bulb instead of two 60-watt bulbs.
- Keep lamps, shades and bulbs dust-free.
- Paint ceilings and walls a light color to reflect light. (Dark colors absorb light)
- Turn off lights when not in use; go to bed early!

Notice to diggers!

Underground cable repairs are expensive and our members dislike being out of service. If you plan to dig in our service area where underground cable is located, or if you are not sure whether there are buried cable facilities in the area, please call our offices, Petersburg area 217/632-7746 and make arrangements for us to assist in locating the underground cable.

The cooperative office will be closed on Monday, September 1, in observation of Labor Day.

Your cooperative office will accept collect calls only when reporting an electrical outage. Please remember, when you are calling with reference to applying for service, or inquiry with reference to an energy bill, that collect calls will not be accepted by your cooperative office.

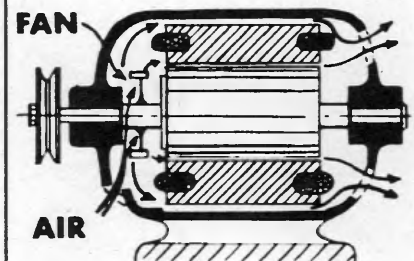
Co-op Comments

At the cooperative's annual meeting, which was held on June 21, and subsequent thereto, we have received numerous requests with reference to the secret recipe for the fried potatoes and the barbecue sauce for the pork chops, which was served by the Mason County Pork Producers. The potatoes were first washed, sliced, and deep fried in lard. The potatoes are done when they float on the surface. The pork chops were barbecued with Red and White brand pork and chicken barbecue spice, deluxe pack, and we understand that it may be found in Red and White Stores throughout the area. Again, we thank the Mason County Pork Producers for serving the delicious meal at the 43rd Annual Meeting.

As this article is being written, hundreds of cooperative members are paying the energy bill which was rendered on or about July 18. If your meter was read on or about the 21st of July, we are certain that your usage for the preceding 30 days will be substantially increased, due to the extremely hot weather which we experienced in central Illinois during the first three weeks of July. The end result, no doubt, will be substantially higher energy bills, which will be rendered on or about August 21. Refrigeration equipment and air conditioning were taxed to their maximum during those 95 degree and over days, which we recently experienced. While the past summer or two have not contained such elongated periods of extreme heat, we are sure that you have noticed the increased use of electricity at your residence this summer.

Mr. and Mrs. Terry Cutright, Petersburg, celebrated their 10th wedding anniversary on June 28. Terry is a journeyman lineman for your cooperative.

David Atterberry, area serviceman in the Buffalo area, completed 30 years of employment with your cooperative on July 24.



KEEP IT CLEAN

Dust and grease cause electric motors to overheat. This leads to short life, expensive repairs and other troubles. Lubricate sparingly at regular intervals. Periodically remove dust with air hose or vacuum cleaner. Use non-flammable cleaning fluid on metal parts.

**We're Open before we open!
We're Open after we close!**

Night Depository



It's time to think about winter preparations

The summer is zooming right past us and it's time to get ready for winter. Although many heating systems are relatively maintenance free, others require a yearly routine of getting them ready for winter operation.

Tax Credits

In order to encourage conservation, tax credits are allowed on weatherization measures on your home. A tax credit of 15 percent of the first \$2,000 for authorized weatherization measures may be taken on your federal income tax. Internal Revenue Form 5695 must be used to apply for the credit. Insulating of air ducts is an authorized item for tax credit. Heat loss from ducts in unheated crawl spaces or attic spaces can account for 15 percent of the total heat loss.

All Furnaces

Read the owner's manual as it will help in understanding your heating system. All belt-driven models should be checked for belt wear and proper belt tension. Oil the motor if it has cups or plugs over the bearings on each end of the motor. Caution! Do not over-oil. On belt models, oil the shaft bearings of the fan. Vacuum fan blades with care. The frames of furnaces and many other heating systems are grounded, therefore, a faulty vacuum cleaner could cause you to receive an electrical shock. On fossil fuel furnaces, check all flues and chimneys for leaves and bird nests. Check brick and rock chimneys for faulty mortar joints. Make sure ignitable items, such as clothing, cobwebs and paper are not too close to flues. Check all supply and return openings to be sure they are not blocked by furniture, drapes and other items.

Wood Or Coal Burning Equipment

These vary greatly in type and design, but a good inspection of grates, fireboxes and chimneys should turn up possible trouble spots. Acquaint yourself with the danger of creosote

deposits, especially in the chimneys.

Individual Room Heaters

Check for foreign matter such as lint, paper and hair. Vacuum and turn them on while you can open the doors and windows. Burning the dust off can be extremely irritating to the nose, eyes and throat. Lint should be blown out of thermostats. A hand hair dryer can be used for this, with the dryer on the cool setting.

Word of Warning

If you attempt to service any heating system, be aware of the possible hazards. If you fail to get the proper flame color, or have doubts about your ability to service your equipment properly, call an experienced serviceman. Your cooperative will be able to advise you of qualified servicemen in your area.



EER ↔ MPG

Are you shopping for an air conditioner? Be sure to check the EER on the nameplate. EER stands for "Energy Efficiency Ratio" and is a measure of the amount of cooling you get for your dollars.

For years we have been conscious of the MPG (miles per gallon) of our cars. Now, it is time to be conscious of the EER of our cooling equipment (air conditioners, refrigerators and freezers). In both cases, the higher the number the better.

In our opinion an EER of less than 6.5 is not recommended, between 6.5 and 8.0 is fair and from 8.0 to 9.5 is good. Above 9.5 is excellent.

Menard Electric

winds up pole

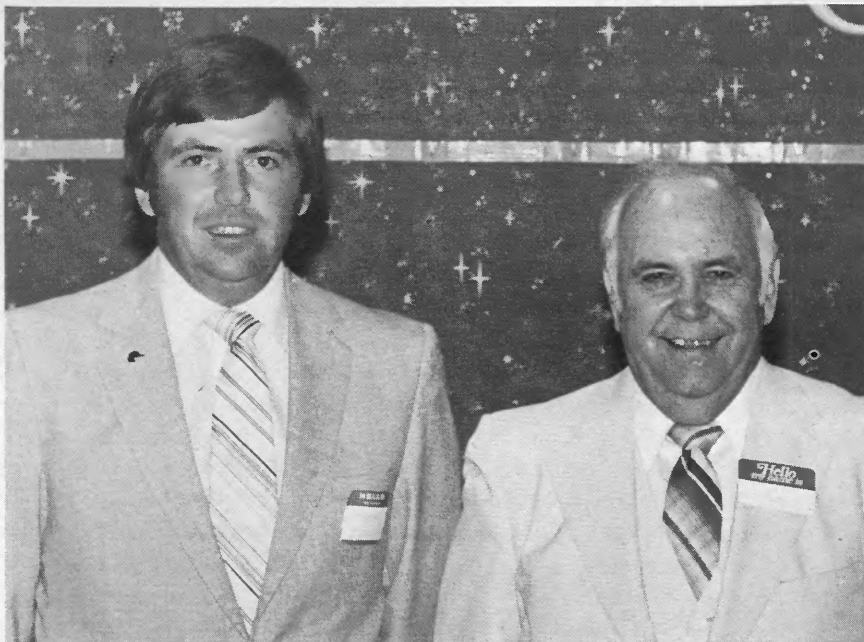
inspection program

The 1980 pole and inspection program of your cooperative is nearing its end. When completed, over 4,000 poles will have been inspected and either found to be sound or rejected and marked for replacement. Your cooperative instituted a pole testing program several years ago to improve reliability of service to its members and is a cost effective program which saves thousands of dollars annually. Approximately 10 percent of the poles are tagged for replacement.

A little town is...

A little town is where you don't have to guess who your enemies are. Your friends will tell you.

- A little town is where few people can get away with lying about the year they were born. Too many other people remember.
- A little town is where people with various ailments can air them to sympathetic ears.
- A little town is where, when you get the wrong number, you can talk for 15 minutes anyhow.
- A little town is where the ratio of good people to bad people is 100 to 1. That's nice to know.
- A little town is where it's hard to walk to work for exercise because it takes too long to stop and explain to people in cars who stop, honk and offer a ride.
- A little town is where city folks say there's nothing to do, but those who live there don't have enough nights in the week to make all the meetings and social functions.
- A little town is where everyone becomes a "neighbor" in time of need.
- A little town is where those same businessmen dig deep many times to help with countless fund-raising projects.
- A little town is where many teenagers say there is nothing to do and are surprised to learn their big city peers are saying the same thing.
- A little town, when all is said and done, is a nice place to live.



Tim Reeves

R.T. Reeves

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.

Board selects son as successor

Southern's Reeves retiring

RT. "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.



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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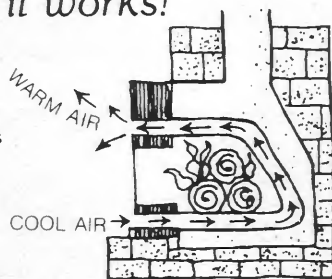
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Listed

U S Patent 3938496

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CITY _____ STATE _____

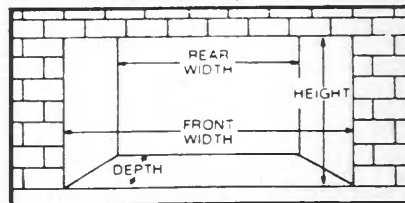
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Size of Home _____ Sq. Ft.
Central Duct-work _____ Yes _____ No
Clean Out Trap _____ Yes _____ No

Approximate winter utility bill:
Electric: \$ _____ per mo. Gas: \$ _____ per mo.

Fireplace Dimensions:
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Rear Width _____ inches
Front Width _____ inches
Depth _____ inches

(From front of opening to back of fire box.)



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43rd annual meeting

Three members reelected to Menard board

Members of Menard Electric Cooperative reelected three members to its board of directors June 21 during the cooperative's 43rd annual meeting at the Petersburg PORTA High School.

Incumbents returned were Hickory H. Hurie of Tallula, Howard W. Montgomery of Petersburg and Meredith L. Worner of Manito.

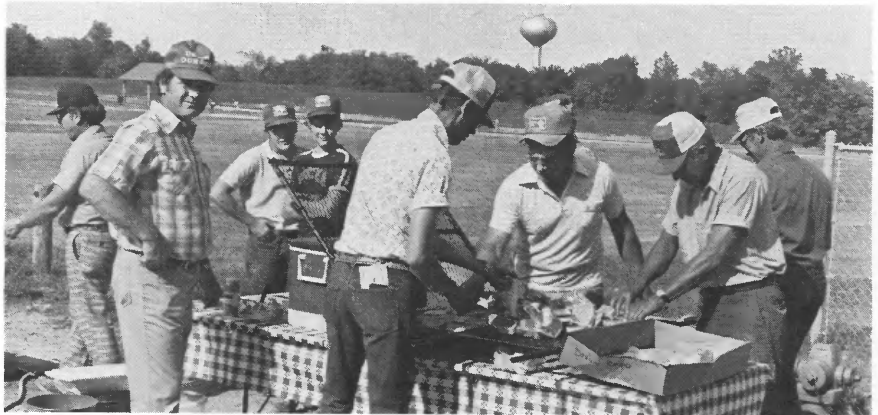
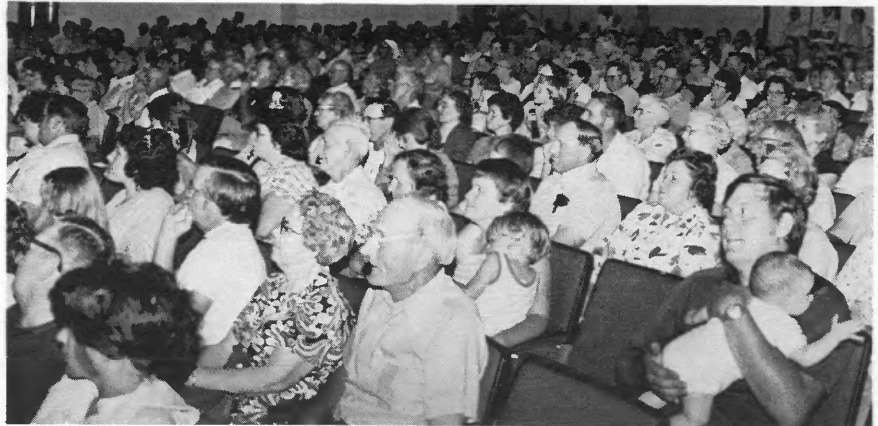
After the business meeting the directors met to reorganize the board and Alvin R. Davis of Beardstown was reelected president, Morris L. Bell of Chandlerville was elected vice president, James G. Graff of Middletown was elected treasurer and Worner was reelected secretary.

More than 300 members and their guests attending were told that lower operating costs and a February rate increase restored the cooperative's operating margins during 1979.

President Davis stressed the need for flexible planning and thought in the face of a changing regulatory and economic climate in which "the old solutions of the past cannot be relied upon." He cited the complexity of state and federal regulations, material shortages and manufacturing difficulties as the challenges that now face the cooperative.

Davis said a slowing of the rate of growth of member kilowatt-hour usage had enabled the board to defer more than \$500,000 in new construction. "It has been our policy to assist you, our members, in using electricity wisely. This has intensified in the past year and the result has been a reduction in your use of electricity."

Manager John Root reported on the operation of the cooperative, explaining that changes in billing systems and a new computer had been responsible for late billings



Top: The Mason County Pork Producers Association served up delicious pork dinners for those attending the meeting. Middle: Another large crowd turned out for the meeting at PORTA High School. Bottom: The cafeteria was crowded during meal service.

and assured members the problems were now solved. "The most recent billing has been delayed so that the cooperative could include the meeting notice with the bill, thus saving more than \$1,300 in mailing expense," he added.

Two new substations are being built in the Menard service area — one in the Oakford area and the other near Middletown, Root said. "These two stations should give ample capacity for those areas and contribute significantly to service continuity."

Other long-range station and line improvements have been deferred

because of the lower rate of growth.

Root encouraged members to use electric power wisely and assured them the cooperative will continue "meeting your needs consistent with giving you full benefit for your power dollar."

The cooperative's peak power usage comes during the summer months, Root said, and asked the members to shift non-essential uses to the early morning and late evening hours on any day when the temperature forecast is 90 degrees or more. This, he said, could save the members from substantially higher future electric

costs, because of the cooperative's wholesale power contract terms.

In other actions the members approved two changes in the cooperative's bylaws. The first amendment adds six days to the time period in which the official annual meeting notice may be properly mailed. The second approves the purchase of insurance to protect the directors from any claims arising from their official activities.

Pork lunches were served by the Mason County Pork Producers Association and entertainment was by "Floyd's Follies" of Springfield.



CONDITION 90 is here!

CONDITION 90 . . . a critical period on weekdays when you should use only one heavy electric appliance between the hours of 10 a.m. and 10 p.m. **CONDITION 90** occurs during those summer days when the temperature soars to 90 degrees or more. The period between 10 a.m. and 10 p.m. is when consumers demand the greatest amount of electricity. Your electric cooperative asks that on **CONDITION 90** days you help lower our expensive peak demand by using your major appliances during the cooler hours, early morning and after 10 p.m.

YOU CAN HELP LOWER COSTS . . . During periods of peak electricity demand, the warmest part of **CONDITION 90** weekdays, our power supplier must operate expensive "peaking" generators. These are less-efficient coal-fired generating units and oil-fired units held in reserve to meet peak demands. By timing your use of heavy

appliances to before 10 a.m. and after 10 p.m. on weekdays when the temperature is predicted to rise to 90 degrees and above, you will help lower your electric cooperative's cost of power.

HERE'S HOW YOU CAN HELP . . . Be alert for **CONDITION 90** days this summer! Any weekday the temperature is predicted to rise to 90 degrees or above, limit your use of heavy, heat-producing appliances during our heavy demand period, 6 p.m. to 10 p.m. Do your cooking, clothes washing, clothes drying and dishwashing in the early morning and late evening hours.



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TO LOWER ELECTRICITY
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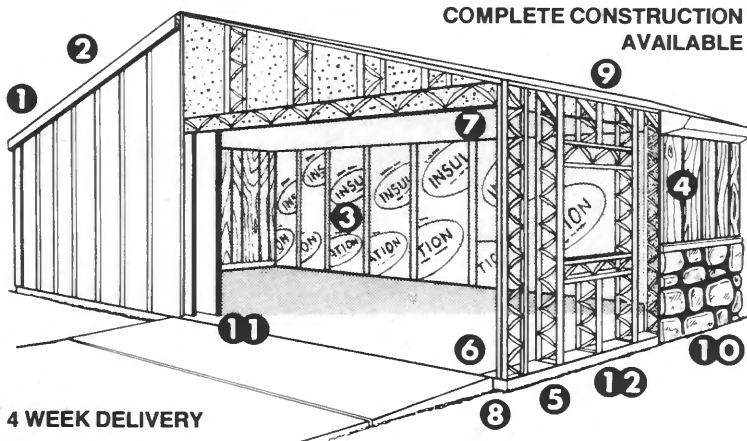
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COMMERCIAL INDUSTRIAL RESIDENTIAL FARM



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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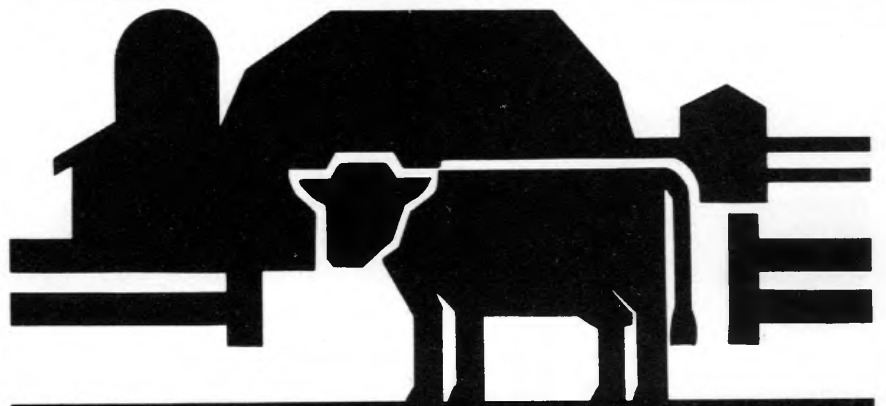
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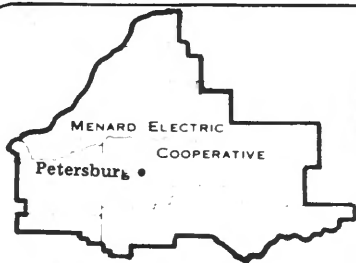
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Menard Electric News

MENARD ELECTRIC COOPERATIVE 217-632-7746 PETERSBURG, ILLINOIS 62675

Cowin and Riser receive service awards

Charles H. Cowin and Donald R. Riser received service awards during the annual Christmas party. Cowin, at left in the near right photo, is shown with Mrs. Cowin and Manager John Root. He received a 30-year award. In the far right photo, Riser, a five-year employee, is pictured with Root.



Important—

NOTICE: If you are planning to dig or grade in an area where there are underground electric wires be sure to contact Menard Electric Cooperative. Call AC: 217-632-7746

Co-op comments

Mr. and Mrs. Norman Fricke celebrated their 30th wedding anniversary on January 14. Jessie is the radio dispatcher for your cooperative.

Randy Avery of Route 2, Petersburg, was promoted to journeyman lineman, as of December 16, after completion of a four-year apprenticeship.

Beware of those who would offer only hot air as a substitute for OPEC oil. You cannot be for energy independence and against coal mines, oil and gas wells, power plants, refineries, pipelines and powerlines, so states Clarice Spellman.

Federal, state, county and township governmental assistance programs are available for members who qualify for aid in paying heating and/or electric bills. To learn more about the

assistance program available in your area, contact your cooperative office for the location and telephone number of the various governmental agencies, most of which have assistance programs available.

Larry Fricke, son of Mr. and Mrs. Glenn Fricke of Route 2, Petersburg, was the recipient of the 4-H electricity award tour in Chicago on November 7 through November 9, 1979. Larry was one of 18 Illinois 4-H members who won the trip through participation in the 4-H electricity project and activity program sponsored by his 4-H club in Menard County. Congratulations, Larry, for an outstanding project. In addition, Larry was the recipient of the Menard County electricity trophy contributed by your cooperative.

The Unspeakable Law:

As soon as you mention something...

if it's good, it goes away.

if it's bad, it happens.

The Golden Rule of Arts and Sciences

Whoever has the gold makes the rules.

O'Toole's Commentary of Murphy's Law:

Murphy was an optimist.

Government Assistance Available

Government assistance is available for members qualifying for aid in paying energy bills. To learn more about the assistance available to low income families, contact your Electric Cooperative for the location and telephone number of the Crisis Intervention Office serving your area.

New computer installed

For the past several weeks, the cooperative office has been a beehive of activity, due to the installation of a new in-house react turnkey computer, which was activated with the energy bills rendered to you on or about December 29.

The benefits of this new computer include: complete in-house control of our work processing schedule; a comprehensive software system with additional capabilities; will expedite our monthly billing cycles in substantially less time; will provide the capability of additional billings without additional labor, and should tend to stabilize the consumer accounting cost.

The new computer was purchased from Digital Systems, Inc. of Columbia, South Carolina. They have been in business for the past five years and are exclusively dedicated to solving the data processing problems of rural electric cooperatives nationwide. They have installed over 35 react

turnkey systems throughout the United States from Alaska to Florida, during the past five years.

The software portion of the computer has been developed by Digital Systems and the hardware equipment manufactured by Digital Equipment Corporation of Maynard, Massachusetts. Digital Equipment Corporation is the second largest manufacturer of computers in the world.

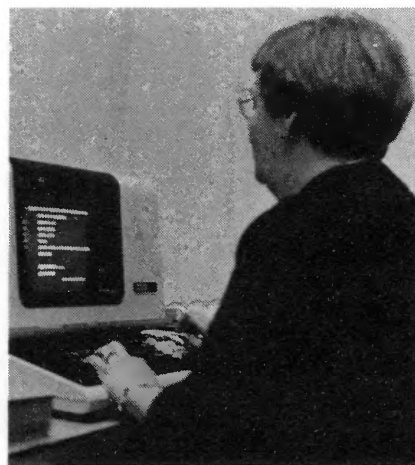
In the near future, our general accounting ledgers, ect., will be programmed for the computer, in addition to work orders, purchasing, accounts payable, material control, payroll, cost accounting, and capital credits. Once this transition has been completed, your cooperative will have one of the most advanced computerized programs for an electric cooperative. We invite you to stop in and take a look at the new computer at your convenience.

You will have noted from your energy bill received during December

a new style of statement which contains additional account information, which we have been unable to provide heretofore. In addition, the computer prints the energy bills by zip code number and consequently we are able to take advantage of the reduced postage by mailing the energy bills by zip code and, in so doing, will save two cents per bill per month.

The energy bills were delayed during the month of December due to the transition from the old to the new billing equipment. At press time we anticipated that the energy bills for January will be on schedule with the mailing to be or about the 21. We are sorry for any inconvenience which the December delay, may have caused you.

We have received several favorable comments on the "new look" of the energy bill. We sincerely hope that the additional information which appears thereon will be of value to you.



Clockwise from near left: Sue Freeland, right, and Denise Boeker watch the first bills come out of the new machine. Sue Freeland with the data banks. Judy Powers at a terminal. Jesse Fricke at a terminal.

Time is running out on tomorrow's electricity!

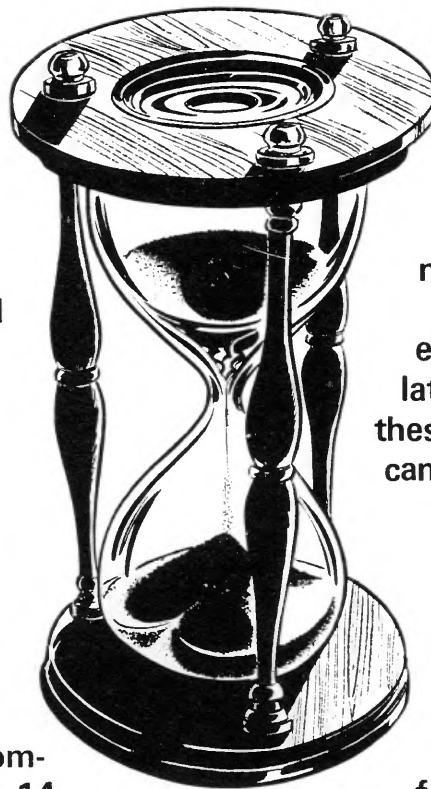
It's too bad we can't stockpile electric energy for the lean years. It must be produced as needed to meet demand.

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.



Electric Cooperatives of Illinois

Energy: today and tomorrow

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.

100th ANNIVERSARY SPECIAL

25 GLADS \$1

Postpaid



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.

KELLY BROS. NURSERIES, INC.
919 Maple St., Dansville, NY 14437

- Enclosed is \$ _____ Send at planting time _____ Glads.
 Send FREE Kelly Centennial Nursery Catalog.

PLEASE PRINT

Name _____

Address _____

ZIP _____

(Sorry, None to AZ, CA, OR, WA)

DID YOU KNOW?

That old stock tank, water reservoirs, etc., coated with Virden Tank Coat, are better than new ones! Fix it and forget it! Let us send you complete information. This is our 29th year. **VIRDEN PERMA-BILT CO.**, 2821 Mays St., P. O. Box 71601N, Phone: 806/352-2761, Amarillo, TX 79109

Inter-State Nurseries
delivers Hamburg, Iowa 51640

20 Giant Ruffled Glads \$1⁰⁰

Postpaid & Guaranteed

Double your money back if not completely satisfied.

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

3020 E. Street, Hamburg, Iowa 51640

Free Spring Catalog 20 Glads \$1.00

NAME _____

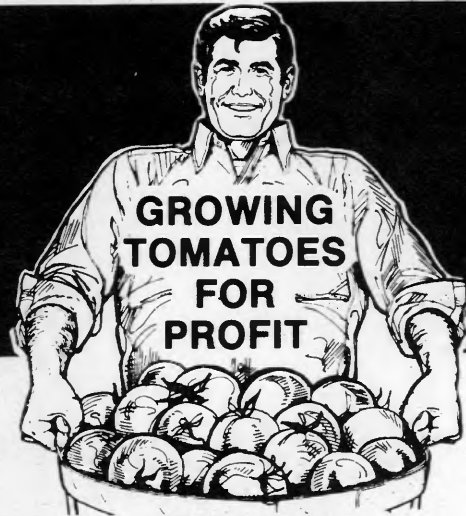
ADDRESS _____

CITY _____

STATE _____

ZIP _____

Glads will be shipped at proper planting time



START NOW!

THE GREENHOUSE "HYGRO-FLO" WAY IS SPREADING EVERYWHERE. SUPPLY SUPER-MARKETS & RESTAURANTS YEAR 'ROUND.

THE PROVEN HYGRO-FLOTM TUBE GROWING SYSTEM AND GREENHOUSE MAKES GROWING FOR PROFIT A REALITY!

If you have:

- The ability to manage your own business
- 15-20 hours per week to run greenhouse
- The ability to follow detailed instructions
- 1/4 acre of land or more
- The ability to invest \$10-12,000.

Then, let us show you a system in full production. Our 30' x 124' greenhouse and the HYGRO-FLOTM 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.

Hygroponics North of Hygroponics, Inc. soon to be constructed 20 miles west of St. Louis Airport near I-70 and U.S. 40-61.

PLEASE SEND ME FREE INFORMATION

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

PHONE _____

SEND THIS COUPON TO:

HYGROPONICSTM

INCORPORATED

DEPT. 18

3935 N. PALO ALTO AVENUE
PANAMA CITY, FLA. 32405

(904) 265-3661

New billing system

Account numbers revised

As you recall from previous articles in the *REN* and from your most recent energy bills which were rendered in December and January, a new computer has been placed in operation by your cooperative. In addition, you no doubt have noticed a slight alteration to your account number. In the past, account numbers consisted of up to nine digits. With the new billing system, account numbers now consist of nine or ten digits. The new account numbers have retained the originality previously used, however additional identification is included within the new account number.

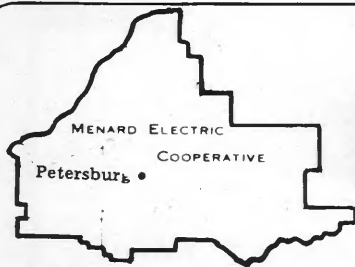
We request your continued cooperation in identifying your account number when calling with reference to outages or in reference to your energy bill. By so doing, the cooperative employees will be able to answer your needs and/or questions much more readily and accurately.

The following listing is presented as an example only,

of an old account number series.

| Old Account No. | | New Account No. |
|-----------------|---------------|-----------------|
| 1-03-012 | | 1-003-012-01 |
| 3602-00-348 | | 36-102-348-01 |
| 74-16-012 | (SAMPLE ONLY) | 74-016-012-02 |
| 202-00-044 | | 2-102-044-01 |
| 26-12-001 | | 26-012-001-01 |
| 33-01-00-062 | | 33-101-062-03 |

Again, we stress that the above information is presented only as an example. We suggest that you post your own individual account number near your telephone so that it is readily available to you, should you need to contact the cooperative office with reference to an outage or inquiry about your energy bill. Should you have any questions with reference to the above, please do not hesitate to contact us.



Menard Electric News

MENARD ELECTRIC COOPERATIVE 217-632-7746 PETERSBURG, ILLINOIS 62675

Co-op comments

Evelyn P. McLaughlin, Route 2, Petersburg, completed 10 years of service with your cooperative on January 1. Evelyn is a secretary for the general manager of your cooperative.

Daniel Patrick, of R. R. Greenview, was promoted to third year apprentice lineman, on December 1.

Thermostat set-back devices manufactured by Intermatic, Inc. of Spring Grove, Illinois, which were sold under the name "Temperature Tender" have been recalled. If you purchased such a unit, a brown colored carbon resistor, we would suggest that you return it to your dealer for a refund, as such units could overheat and possibly cause a fire. The units in question were manufactured prior to June of 1978.

President Carter's "fast track" Energy Mobilization Board is finding its effort to speed up major energy projects being delayed because of the hundreds of bureaucratic obstacles directed by local, state and federal agencies. Many projects have been entangled in regulatory verbiage caused by ridiculous lawsuits, governmental rules and red tape.

The Member Services Committee of your cooperative

met on January 31 for a tour of the cooperative headquarters and the new computer recently installed. We invite you to stop in and view the new computer at any time.

The U.S. Department of Energy has awarded a \$1.175-million grant for the construction of a hydroelectric facility at Carlyle Lake in southwestern Illinois.

The D.O.E. grant will fund slightly more than 15 percent of the total estimated \$7.8-million cost of the generating plant.

Electricity generated at the facility will be used to serve Carlyle and the nearby town of Breese. The plant is designed to have a generating capacity of 8.75 megawatts.

If you have a forced air heating system, we recommend that you replace the filters each month. Clogged filters cause uneconomical heating.

Grain drying reminder

If you are planning a grain dryer installation during 1980, please contact your cooperative by June 1, 1980, in order that construction may be scheduled in time for the harvest season.

Construction under way in several areas

Clearing of rights-of-way, engineering and staking, and delivery of poles have become a reality on the transmission line which will feed the Oakford and Middletown substations. Approximately 17 miles of 69,000-volt transmission line will be constructed by Western Illinois Power Cooperative, in addition to the two new substations. Hopefully, the new stations will be energized by the end of 1980.

Your cooperative construction crews have recently completed upgrading of ten miles of three phase line in the areas south of Athens, east of Oakford, and north of

Petersburg. We appreciate the cooperation and understanding of our members living in those areas, for any inconvenience which was created during the time of energizing these lines.

During the next three years, the cooperative work plan calls for rephasing, upgrading, and reconstruction of numerous miles of three phase lines in the area north of Alexander, the Lanesville area and east of Petersburg.

In addition, approximately 10 miles of three-phase line will be constructed in the Mason County area during the spring of 1980.



James Caldwell (left) and John Hettinger

High school juniors eligible in essay contest

The directors of Menard Electric Cooperative are pleased to sponsor an essay contest, which will permit two high school Juniors in the cooperative service area to win a week's all expense paid trip to Washington, D.C. and other points of interest.

James Caldwell of Franklin and John Hettinger of Petersburg, winners of the 1979 essay contest, were most impressed and jubilant upon their return home.

Essays will be judged on originality, accuracy of facts, content, composition, and knowledge of the subject matter. Winners will leave Springfield on June 6 and return on June 13.

Any high school junior enrolled in the eleventh year and attending a high school serving, or substantially serving, the same area as Menard Electric Cooperative may enter.

Contestants are to submit an essay consisting of at least 500 words, but not exceeding 1,000 words, on the subject, "Achieving Energy Independence in America." The exact title may be of the student's own choosing.

Other details on the essay contest are available at the cooperative office and at each high school in our service area. Anyone interested in getting an early start in preparing their essay are urged to write: Menard Electric Cooperative, P. O. Box 279, Petersburg, Illinois 62675.

Attention all members

If you are going to be on vacation at the time when payment of your power bill is due, please make arrangements to have someone pay the bill, make an advance payment on an estimated bill or at least notify us that you are going to be gone.

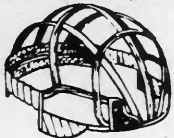
Unless you notify our office, we have no way of knowing that you are on vacation and we can only assume that your bill is delinquent.

Telephone numbers

Several times in the past we have made mention of the importance of your telephone number, in this center section of the *Illinois Rural Electric News*. We made the request in an attempt to do a better job of serving you. Many times a telephone number can solve a billing problem, aid in line construction and help in reducing

outage time. If your phone number is in a telephone directory, fine; however, if you should have an unlisted number we would appreciate your advising us of the same. Easy access to your telephone number means we can do our work faster and more efficiently--meaning better service to you.

Natural Look



AIRLITE
CAPLESS DESIGN

CAPLESS Stretch WIGS

Any
Style

Feels as light and cool as your own hair.

\$7.95
Values
up to
\$20

"PERMANENTLY SET" • READY TO WEAR STYLES • NEVER NEED SETTING

- Choice of 17 attractive colors or custom matched to your own hair
- Permanently set—wash and wear—the setting bounces back
- Made of miracle modacrylic fiber—has the luster, rich body and bounce of human hair—behaves better than real hair
- No costly settings at the beauty parlor
- Packs in your purse—crush resistant
- Looks and feels like real hair—you'll mistake it for your own

Any 2 for only
\$13.90
SAVE \$2.00



Style C-174



Style C-702



Style C-518



Style C-927



Style C-727



Style C-545



Style C-925



Style C-944



Style C-740



Style C-903



Style C-124



Style C-526



Style C-946



Style C-724

FREE 10 DAY TRIAL COUPON!

FRANKLIN FASHIONS CORP., Dept. W-306
103 East Hawthorne Ave., Valley Stream, N.Y. 11580

Rush my "Natural Look Capless Wig" style(s) I must be absolutely satisfied or I can return my order within 10 days and my money will be refunded.

Check Box of Style Number Desired

- C-702
- C-518
- 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)

- Black
- Off Black
- Light 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

Name _____

Address _____

City _____ State _____ Zip _____

- PREPAID: I enclose \$7.95 for one wig plus \$1.50 for shipping & handling.
- C.O.D.: I enclose \$2 deposit and will pay postman balance plus pstg. & handling
- PREPAID: SAVE \$2.00. I enclose \$13.90 plus \$3 for shipping & handling for any 2 wigs

N.Y. State residents add sales tax.

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.

Small farms are not on the way out in the midwest!



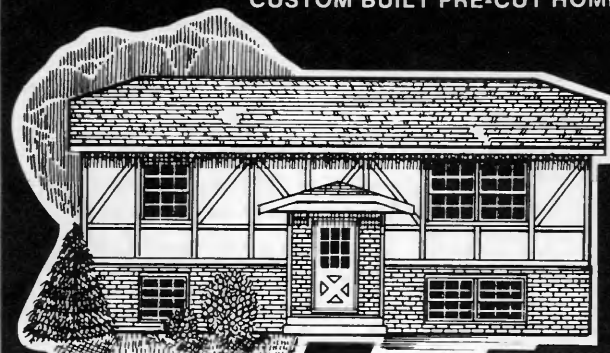
They are alive and well growing vegetables for local markets with Hygroponic Greenhouses.

If you qualify, join the hundreds of successful growers using the completely soil less (nutrient flow) Hygro-Flo Tube growing system to replace poor quality shipped in vegetables and high transportation costs for their local markets. Turn a modest investment into a highly profitable year around income business. Don't miss this opportunity to produce a product that is always in demand. . . food! The internationally successful patented Hygro-Flo™ Tube System, the system of the '80s, takes the guess work out of growing. Hygroponics, Inc. will equip, train and guide the dedicated grower to success with continuous free assistance. See a greenhouse in your area. Be as big a mini-farmer as you like. Call or write us today for free information on how Hygroponics can fit into your future.

**All New Mid-Size Homes
As Low As
\$100 Down - \$259.26/Mo.***

Announcing: affordable homes for the '80s. Our "Vice President" series offers full-size quality, mid-size efficiency, and new low price. We offer below-market financing on everything we deliver — including materials and labor. No hidden costs. No closing costs. Find out how you can enjoy the freedom, pride and security of a home of your own. Beat the high cost of housing. Send coupon today for our all new FREE CATALOG.

PRESIDENT HOMES
A DIVISION OF HARVEY BUILDERS, INC.
CUSTOM BUILT PRE-CUT HOMES



**10.4%
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FREE
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*excluding taxes and insurance.

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Please Send Free Color "Vice President" Catalog Today To:

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Zip _____ Phone _____

We would like to be in our new home by: I own a lot I can get a lot

**SAVE \$
SEND
COUPON
TODAY!**

PLEASE SEND ME FREE INFORMATION

NAME _____

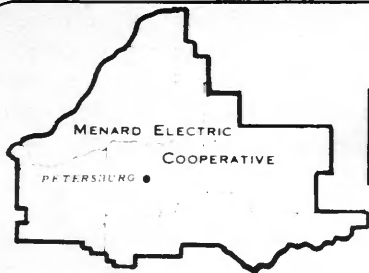
ADDRESS _____

CITY _____

STATE _____ ZIP _____ PHONE _____



TROY HYGRO-SYSTEMS, INC.
4096 CTH-ES
EAST TROY, WI 53120
PHONE 414/642-5928



Menard Electric News

MENARD ELECTRIC COOPERATIVE

217-632-7746

PETERSBURG, ILLINOIS 62675

Co-op Comments

Mr. and Mrs. Paul Borchert (Evalena) will celebrate their 40th wedding anniversary September 28. Evalena, who retired on March 31, will be remembered by hundreds of cooperative members as the office manager of your cooperative.

From time to time we receive requests for budget billing and encourage many of our members to apply for the budget billing plan. We would be happy to establish such a budget amount for any cooperative member covering service through May 1981. If you are interested in applying for budget billing, please contact the cooperative office.

Your cooperative had contracted with Electric Laboratory and Sales Company, of Mattoon, Illinois, to test approximately 1,000 electric meters in an area east of Chandlerville toward Lincoln. Members whose account numbers begin with 25, 26, 27, 28, 29 and 30 most probably will have their meter tested. In many instances the meters are being replaced as dirt and grit seems to slow down the registering of energy consumption, and in some cases, the meters are not of sufficient size for the loads which they are metering. Very few meters are found to be registering over 100 percent efficient of accuracy. The meter testers have identification, as well as a sign indicating that they represent your cooperative. Your assistance and cooperation, as these gentlemen tests your meter, will be appreciated.

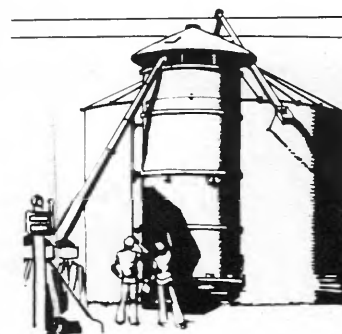
The computer which is utilized in consumer billing is back on schedule. Henceforth it appears energy bills will be rendered on or about the 21st of each month and will be due and payable not later than 21 days from

the date of the bill. This usually occurs on or about the 11th of the following month. As an example, energy bills rendered in the month of September will be due on or before October 11. Payments received after the 11th of October may possibly have additional charges added on to the September bill. Your payment of the energy bills rendered monthly on or before the due date would make a substantial contribution in reducing the operating costs of your cooperative. Your assistance in the prompt payment of your energy bills will be appreciated by all of the members of your cooperative.

School has been in session nearly 30 days. Please be extra cautious when driving your vehicles and be on the lookout for school children as well as school buses, as they traverse up and down the rural areas of central Illinois.

Who said July was hot? Cooperative records were shattered during the month of July, as over 15-million kilowatt-hours were purchased by your cooperative. In comparison to 10,500,000 in July of 1979, and wholesale purchases for your cooperative 2,000,000 kilowatt-hours greater than the previous record, which occurred in July of 1977. In addition, demands created on our substations were 37,201.9 KW or nearly 15 percent greater than the KW demand experienced in July of 1977. As we indicated in last month's magazine, we are sure that your energy bills which you received in August and September will be up substantially from previous months. All electric utilities in Illinois exceeded their previous highs during the month of July.

Grain drying notice



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 to 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. Harvest with safety and you'll continue to enjoy a productive life and a productive farm.

**PLEASE, PLEASE, LOOK UP!!
BE OBSERVANT OF
OVERHEAD ELECTRIC
DISTRIBUTION LINES
AS WELL AS SECONDARY
ELECTRIC LINES**

Responsible electric accident control, today, begins with you. Only by your cooperation and observance can you avoid possible contact with an energized electric line.

ILLINOIS RURAL ELECTRIC NEWS

Consumers are part of the environment, too!

Menard Electric Cooperative member-owners were concerned about their environment long before the 1970's, when it became fashionable to be an "environmentalist." Electric cooperatives in Illinois serve nearly 85 percent of all Illinois farms, where maintaining the quality of air, water and land will determine whether or not Illinois continues to lead the United States in production of farm commodities for export.

We applauded the early attempt to bring air and water pollution under control. Later we stood by in shock as single purpose "environmental" and "consumer" groups stampeded the U. S. Congress and state legislature into an avalanche of

Higher crop yields reported due to coal plant emissions

Eliminating or reducing sulfur dioxide emissions from TVA's coal-fired power stations in seven states could cut farm production by as much as 10 percent, according to a TVA soil chemist.

The chemist has concluded, after conducting four years of research, that sulfur dioxide emissions from coal-burning power plants have taken the place of fertilizers in providing sulfur nutrients needed by many crops — including corn.

To avoid an estimated \$300 million a year in crop losses that could result if additional environmental protection equipment minimizes plant emissions, he said farmers would have to spend more than \$6 million each year to add sulfur to fertilizer.

"The air pollution problem is complex, and this is just one little parcel of it," he said. "But if we clean up the air, then the cost of putting sulfur back into fertilizers should be considered in the costs of the cleanup.

"All I really showed is that crops growing near power plants took up sulfur dioxide out of the air and achieved better yields than those far away."

SEPTEMBER 1980

laws designed to bring about clean air, clean water, protection of endangered species, protection of historical sites and on and on. . . .

As state and federal regulatory agencies have been cranking out more than 10,000 new regulations a year to implement those hastily approved laws, we watched in horror as the time required to bring a new power plant on line increased from three and four years to as long as 10 to 15 years and the cost of regulation mounted to 30 to 40 percent of your monthly energy bill.

It's time to recognize that poverty and inflation are environmental hazards that affect the quality of life of our cooperative members. It's time to call on your elected officials and regulators to bring reason into the regulatory maze that has resulted from a hodge-podge of carelessly and thoughtlessly written laws. It's time to recognize the vast difference between clean air and pure air; between clean water and pure water, between protecting an endangered species such as the bald eagle and protecting such insignificant species as the snail darter and the furbish lousewort. It's time to view you and I, the consumer, as part of the environment, not its enemy.

Let's balance our environmental concerns with the concerns of consumers to improve their quality of life.

Co-ops strong in Rural America

Five out of every six farmers use cooperatives to market their products, provide their supplies, and procure needed services.

Farmers have large investments in their cooperatives. In 1978 balance sheets of the farming sector show farmers' equity of these farmer-owned businesses, was 13.95 billion dollars at the beginning of 1978 — up 9.1 percent from the previous year.

Marketing and purchasing cooperatives accounted for about 40 percent of the total net worth of the farmers' cooperatives. Farm credit

Talk about winter conservation



"A stitch in time saves nine" goes the old proverb, and now is a good time to plan for savings in the cooler days ahead. Start by checking with your local electric system for conservation hints and tips. In particular ask for information on insulation, storm windows and doors, and weatherstripping. You can reduce the load on your heating, and cooling, equipment by as much as 30 percent with proper insulation.

Other less-publicized ideas:

- **Oil Furnaces.** Should be serviced at least once a year. And, service rates are usually lower before cold weather sets in. Also — have the service person check the firing rate. A recent survey found that 97 percent of the furnaces checked were overfired.
- **Clock Thermostats.** A convenience that many have found worth the cost. The thermostat will turn the heat down and up again automatically at regular hours as set by you.
- **Humidifiers.** Cold air outside reduces indoor humidity, and too little humidity in winter makes you feel colder. Also, low humidity is conductive to circulation of bacteria and viruses. A humidifier can be an investment that pays off in greater comfort, better health, as well as energy savings.
- **Attic Access Door.** Often overlooked. Check it now to make sure it's well insulated and weatherstripped so you won't waste fuel heating cold air.

system cooperatives accounted for 30 percent and rural electric cooperatives 21 percent.

Cooperatives are not unusual. In large metropolitan areas, thousands of large city dwellers participate in cooperatives of all sizes and shapes.

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
P. O. Box 3787
Springfield, Illinois 62708

Please mail me _____ copies of the publication
"Home Weatherization"
(For each copy, enclose \$1.00 to cover the cost of the
book and pay postage and handling.)

Please Print Name _____
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For do-it-yourselfers

Tools

1. Temporary lighting



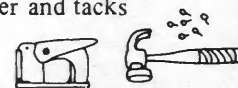
2. Temporary flooring



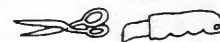
3. Duct or masking tape (2" wide)



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

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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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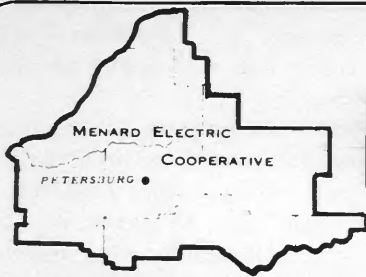
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Menard Electric News

MENARD ELECTRIC COOPERATIVE

217-632-7746

PETERSBURG, ILLINOIS 62675

Co-op Comments

Terry Entwistle, Route 3, Petersburg, completed 10 years of service with your cooperative on November 5. Terry is a crew leader, working out of the Petersburg headquarters.

William McCoy, Kilbourne, completed 20 years of service with your cooperative on November 10. He is a forestry journeyman for Menard Electric.

William A. Sames, Petersburg, completed 35 years of service with your cooperative on November 1. Sams is a journeyman-lineman for your cooperative.

★ ★ ★ ★ ★

Now that the election rhetoric is over, and we all know who will be in the White House, the only people you should want to get even with are those

who have helped you.

If you want to save on water heating costs, wash your dishes in a dishwasher. Less hot water is used in this method, than if you wash them by hand. It is also interesting to note that it takes the same amount of energy to run a small load of dishes as it does to run a full load. You may also save energy by turning the dishwasher off after the final rinse and before the drying cycle starts. Just open the dishwasher door to allow the moisture to escape, and the dishes to dry as they cool. In so doing, you will be saving energy, as well as adding humidity to your home, which is important during the heating season.

Generally, a thermostat setting of 120 degrees Fahrenheit on the water heater is adequate for most kitchen and laundry needs, unless you have a dishwasher.

★ ★ ★ ★ ★



Darlene McGee

New employee

Darlene M. McGee, Petersburg, has been designated a full-time employee as of June 1, 1980. Darlene has been working part time for your cooperative since October of 1979, as a clerk. She and her husband, Dale, have two children, Gena, a junior in high school, and Dara, who is in the eighth grade, of the PORTA schools.

Darlene is originally from the Bushnell-Macomb area of McDonough County and the McGees have lived in Petersburg for the past two years. We welcome Darlene to the Menard Electric family.

Kilowatt Kapers



Offices to be closed

YOUR COOPERATIVE OFFICE WILL BE CLOSED ON THURSDAY, NOVEMBER 27, AND ALSO FRIDAY, NOVEMBER 28, IN OBSERVANCE OF THE THANKSGIVING HOLIDAY.

In addition, the cooperative offices will be closed on Thursday, December 25, and Friday, December 26, in observance of the Christmas season.

Steps to save energy mean tax savings too

Combine tax savings with your energy savings by planning ahead.

The Federal energy tax credit is not an itemized deduction, but a direct reduction of taxes. It is available regardless of whether taxpayer itemizes or takes a standard deduction.

There are two distinct residential energy credits — one for conserving energy, the second for renewable energy source costs. Both apply to your principal residence.

ENERGY CONSERVATION

The conservation credit is 15 percent of the first \$2,000 to buy and install certain items, up to a maximum credit of \$300, for a home substantially completed by April 19, 1977.

The list of approved items includes: insulation; storm windows and doors; weather stripping and caulking; thermostats with automatic setbacks; a meter showing costs of energy used. And, for heating systems: a furnace replacement burner that cuts down on fuel used; an electrical or mechanical furnace ignition system

that replaces a gas pilot light; a device to modify flue openings to make a heating system more efficient.

RENEWABLE ENERGY

The renewable energy source cost credit is allowed for 40 percent of the first \$10,000 that is spent for solar, wind-powered, or geothermal items installed in a new or existing home. The maximum credit is \$4,000.

Examples of items approved for the solar category are: solar collectors; storage tanks, to store hot liquids; rockbeds, to store hot air; heat exchangers, to use hot liquids or hot air to heat air or water.

EXCLUSIONS

Among the items most commonly assumed to be covered by the Federal tax credit, but are not: wood or peat fueled equipment, heat pumps, house siding, replacement fluorescent light systems, draperies and carpeting.

STATE CREDITS

In addition to Federal tax credits, many states have designed tax credits for energy conservation. They vary and don't necessarily apply to the

same items as the Federal credits. For more information about state rules, check in with your local electric system or contact the state energy office.

For more information about the Federal tax credits, get a copy of IRS Publication 903, free at local IRS offices.

Energy notes

The nation's annual rate of growth in energy demand has been reduced from 5.4 percent in 1976 to 0.05 percent in 1979.

The crucial importance of energy to America's production of food and fiber does not appear on a chart or graph. Agricultural production consumes just over three percent of the nation's total energy. And, 93 percent of this — eight billion gallons — as compared with 74 percent of the energy used nationally is petroleum based.



Thanksgiving

... to give, with gratitude

Thanksgiving . . . in the world lives the essence of the day. We give thanks . . . for blessings large and small, bestowed on one and all. And because we are thankful, we gladly give of our energy and our efforts, our aims and ambitions, on behalf of all, that everyone may be blessed, and be thankful. On this Thanksgiving Day, we look back across the years and forward to the future with thanks for the plentitude that we have been privileged to enjoy, and with the steadfast resolve that in the years ahead we will do our part to bring forth more achievements, more good things for all. To our many friends, best wishes for a Happy Thanksgiving.

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 South-eastern Illinois Electric Cooperative and Southern Illinois Power Cooperative Director. He also is a brother of present Southeastern Director Kenneth Webb.



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.

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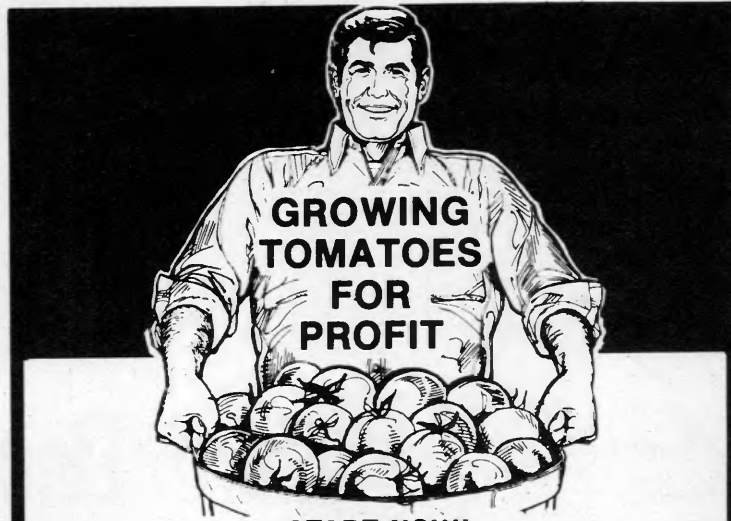
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3935 N. PALO ALTO AVENUE
PANAMA CITY, FLA. 32405

New billing system

Account numbers revised

As you recall from previous articles in the *REN* and from your most recent energy bills which were rendered in December and January, a new computer has been placed in operation by your cooperative. In addition, you no doubt have noticed a slight alteration to your account number. In the past, account numbers consisted of up to nine digits. With the new billing system, account numbers now consist of nine or ten digits. The new account numbers have retained the originality previously used, however additional identification is included within the new account number.

We request your continued cooperation in identifying your account number when calling with reference to outages or in reference to your energy bill. By so doing, the cooperative employees will be able to answer your needs and/or questions much more readily and accurately.

The following listing is presented as an example only,

of an old account number series.

| Old Account No. | | New Account No. |
|-----------------|---------------|-----------------|
| 1-03-012 | | 1-003-012-01 |
| 3602-00-348 | | 36-102-348-01 |
| 74-16-012 | (SAMPLE ONLY) | 74-016-012-02 |
| 202-00-044 | | 2-102-044-01 |
| 26-12-001 | | 26-012-001-01 |
| 33-01-00-062 | | 33-101-062-03 |

Again, we stress that the above information is presented only as an example. We suggest that you post your own individual account number near your telephone so that it is readily available to you, should you need to contact the cooperative office with reference to an outage or inquiry about your energy bill. Should you have any questions with reference to the above, please do not hesitate to contact us.



Menard Electric News

MENARD ELECTRIC COOPERATIVE 217-632-7746 PETERSBURG, ILLINOIS 62675

Co-op comments

Evelyn P. McLaughlin, Route 2, Petersburg, completed 10 years of service with your cooperative on January 1. Evelyn is a secretary for the general manager of your cooperative.

Daniel Patrick, of R. R. Greenview, was promoted to third year apprentice lineman, on December 1.

Thermostat set-back devices manufactured by Inter-matic, Inc. of Spring Grove, Illinois, which were sold under the name "Temperature Tender" have been recalled. If you purchased such a unit, a brown colored carbon resistor, we would suggest that you return it to your dealer for a refund, as such units could overheat and possibly cause a fire. The units in question were manufactured prior to June of 1978.

President Carter's "fast track" Energy Mobilization Board is finding its effort to speed up major energy projects being delayed because of the hundreds of bureaucratic obstacles directed by local, state and federal agencies. Many projects have been entangled in regulatory verbiage caused by ridiculous lawsuits, governmental rules and red tape.

The Member Services Committee of your cooperative

met on January 31 for a tour of the cooperative headquarters and the new computer recently installed. We invite you to stop in and view the new computer at any time.

The U.S. Department of Energy has awarded a \$1.175-million grant for the construction of a hydro-electric facility at Carlyle Lake in southwestern Illinois.

The D.O.E. grant will fund slightly more than 15 percent of the total estimated \$7.8-million cost of the generating plant.

Electricity generated at the facility will be used to serve Carlyle and the nearby town of Breese. The plant is designed to have a generating capacity of 8.75 megawatts.

If you have a forced air heating system, we recommend that you replace the filters each month. Clogged filters cause uneconomical heating.

Grain drying reminder

If you are planning a grain dryer installation during 1980, please contact your cooperative by June 1, 1980, in order that construction may be scheduled in time for the harvest season.

Construction under way in several areas

Clearing of rights-of-way, engineering and staking, and delivery of poles have become a reality on the transmission line which will feed the Oakford and Middletown substations. Approximately 17 miles of 69,000-volt transmission line will be constructed by Western Illinois Power Cooperative, in addition to the two new substations. Hopefully, the new stations will be energized by the end of 1980.

Your cooperative construction crews have recently completed upgrading of ten miles of three phase line in the areas south of Athens, east of Oakford, and north of

Petersburg. We appreciate the cooperation and understanding of our members living in those areas, for any inconvenience which was created during the time of energizing these lines.

During the next three years, the cooperative work plan calls for rephasing, upgrading, and reconstruction of numerous miles of three phase lines in the area north of Alexander, the Lanessville area and east of Petersburg.

In addition, approximately 10 miles of three-phase line will be constructed in the Mason County area during the spring of 1980.



James Caldwell (left) and John Hettinger

High school juniors eligible in essay contest

The directors of Menard Electric Cooperative are pleased to sponsor an essay contest, which will permit two high school Juniors in the cooperative service area to win a week's all expense paid trip to Washington, D.C. and other points of interest.

James Caldwell of Franklin and John Hettinger of Petersburg, winners of the 1979 essay contest, were most impressed and jubilant upon their return home.

Essays will be judged on originality, accuracy of facts, content, composition, and knowledge of the subject matter. Winners will leave Springfield on June 6 and return on June 13.

Any high school junior enrolled in the eleventh year and attending a high school serving, or substantially serving, the same area as Menard Electric Cooperative may enter.

Contestants are to submit an essay consisting of at least 500 words, but not exceeding 1,000 words, on the subject, "Achieving Energy Independence in America." The exact title may be of the student's own choosing.

Other details on the essay contest are available at the cooperative office and at each high school in our service area. Anyone interested in getting an early start in preparing their essay are urged to write: Menard Electric Cooperative, P. O. Box 279, Petersburg, Illinois 62675.

Attention all members

If you are going to be on vacation at the time when payment of your power bill is due, please make arrangements to have someone pay the bill, make an advance payment on an estimated bill or at least notify us that you are going to be gone.

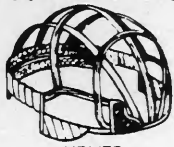
Unless you notify our office, we have no way of knowing that you are on vacation and we can only assume that your bill is delinquent.

Telephone numbers

Several times in the past we have made mention of the importance of your telephone number, in this center section of the *Illinois Rural Electric News*. We made the request in an attempt to do a better job of serving you. Many times a telephone number can solve a billing problem, aid in line construction and help in reducing

outage time. If your phone number is in a telephone directory, fine; however, if you should have an unlisted number we would appreciate your advising us of the same. Easy access to your telephone number means we can do our work faster and more efficiently--meaning better service to you.

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 C-518 C-724
 C-727 C-545
 C-124 C-925
 C-946 C-903
 C-944 C-526
 C-174 C-740

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

- | | | |
|--|--|---|
| <input type="checkbox"/> Black | <input type="checkbox"/> Dark Blonde | <input type="checkbox"/> Dark Frosted |
| <input type="checkbox"/> Off Black | <input type="checkbox"/> Ash Blonde | <input type="checkbox"/> Mixed Black & Grey |
| <input type="checkbox"/> Light Brown | <input type="checkbox"/> Platinum | <input type="checkbox"/> Mixed Brown & Grey |
| <input type="checkbox"/> Medium Brown | <input type="checkbox"/> Light Auburn | |
| <input type="checkbox"/> Dark Brown | <input type="checkbox"/> Medium Auburn | |
| <input type="checkbox"/> Light Blonde | <input type="checkbox"/> Dark Auburn | |
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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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|---------------|--|
| Weight: | Head—12 lb. (Total weight 15 lb.) |
| Construction: | High-carbon steel head, hardened edge. All-steel handle. |
| Guarantee: | 1-YEAR TRIAL OFFER + 10 years against failure. |
| Price: | \$24.98 , delivered to your door. |

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- 24 months to build.
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Name _____

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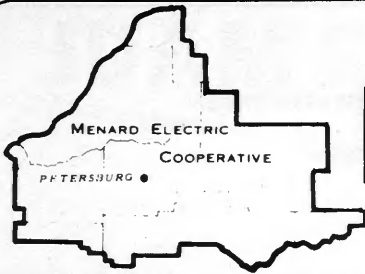
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Phone (_____) _____

I plan to do all or part of the work
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Miles Homes

12 Insilco A Division of Insilco Corporation



Menard Electric News

MENARD ELECTRIC COOPERATIVE

217-632-7746

PETERSBURG, ILLINOIS 62675

*May you have
the spirit of Christmas
which is Peace...
the gladness of Christmas
which is Hope...
the heart of Christmas
which is Love...*

The Directors and employees of your cooperative convey warm Season's Greetings and Best Wishes for Good Health, Happiness, and Prosperity in the coming year to all of the members of Menard Electric Cooperative.

Morris L. Bell
Alvin R. Davis
James G. Graff
Hickory H. Hurie
Dale R. Lepper
Charles B. McMillan
Howard W. Montgomery
Meredith L. Worner
Robert F. Zook
John L. Knuppel

Carl T. Atterberry
David K. Atterberry
Randy J. Avery
Theodore Barbee
James A. Bearden
Alvin R. Bertram
Denise A. Boeker
Mark A. Bradley
Marjorie L. Crawford
David H. Crosnoe
Terry L. Cutright
Terry W. Entwistle
Suzanne Freeland
Jessie H. Fricke
Ronny R. Harden
Alan D. Horn
Ronald W. Ingram
Wayne E. Jones

Lawrence D. Kyes
M. Orene Lynn
Phyllis A. McCoy
William L. McCoy
Darlene M. McGee
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Earl L. Pillsbury
Judith A. Powers
Donald R. Riser
Edward L. Rogers
John E. Root
William A. Sams
Rhonda K. Satorius
Dorland W. Smith
Glenn D. Squires
Marcel Verreault

Co-op Comments

Recently I read where a residential user of electricity in southern California was selling surplus electricity to his local utility. Under the Public Utilities Regulatory Act, a utility is required to purchase surplus kilowatt-hours from a customer under the cogeneration provisions of the act. This residential user in California had installed 240 watts of solar cells. He has been able to generate approximately 72 kilowatt-hours a month with these solar cells. At this rate, capital costs alone amortized over a 25-year-period will come to 60 cents per kilowatt-hour. So far, the local utility has bought 250 kilowatt-hours from this user at an average of eight cents per kilowatt-hour. Sounds like a real money maker to me.

When the husband does the marketing it is amazing how many necessary items the family has been doing without.

I heard that if you have an hour-glass figure, it may be later than you think.

There is no danger from developing eyestrain from looking on the bright side of life. That many a man would consider a certain woman very charming if that certain woman were not his wife.

Attention: High School Juniors

It is not too early to begin your essay in the "Annual Youth to Washington" contest. Winners of the Menard Electric Essay Contest will leave on June 12 and return on June 19. Please write or call your cooperative office for further information with reference to the "Youth to Washington" contest.

Safety Corner

CHRISTMAS SAFETY

Christmas is a joyful time of year. Your decorated home brings a glow not only to your family and guests but to the people who pass by and share in your pleasure. The lights and decorations can be safe as well as beautiful if you observe a few safety rules.

Check over all your lighting strings and decorations stored away last year. Discard worn or damaged equipment. Be sure all cords, plugs, sockets and bulbs used outside are weatherproof and manufactured for outdoor use. Keep connections away from water. For greater safety, tape all connections with Scotch electrical tape or similar outdoor material. Always use the rubber rings (gaskets) which come with outdoor sockets to insure a watertight connection between the bulb and socket.

Install weatherproof duplex convenience outlets on the outside of your house for Christmas and garden lighting. A heavy rubber-covered cord plugged into an outlet indoors and brought through a hole in a narrow board inserted in the window will serve the purpose if you have no outside outlets. Do not use indoor-type silk, light-weight plastic or rubber

cord outdoors.

Keep lighted bulbs from direct contact with Christmas greens and shrubbery especially on indoor decorations. The use of foil reflectors will be helpful in holding bulbs from contact with tree branches and wreath or garland greens. Turn off all Christmas lighting on retiring or when away from home.

BE SURE TOYS ARE SAFE

Long before Old Saint Nick makes his scheduled stops at the homes of good little children all over the country, he pays a visit to Underwriters' Laboratories, Inc.

There he drops off for testing purposes a bag full of brand-new electrical toys.

Saint Nick knows that if the electrical devices can take the misuse and abuse handed out by the Laboratories' engineers to determine whether they measure up to strict safety requirements, they should perform safely in the homes where he leaves them.

Give Saint Nick a helping hand by insisting that all toys you buy are safe — incapable of causing fire, shock or explosion. On heat-producing toys, the UL Label is especially important.

Humidity Too High or Too Low?

Here is a real simple test. To determine how much humidity you have in your house this winter, you don't need a fancy wet bulb thermometer or any other complicated apparatus to help you find out if your humidity is just right — that is at a level where you need the least heat to feel comfortable.

Put three ice cubes in a glass of water and let stand for three minutes. If the glass begins to sweat at about that time, your house has proper humidity. Also, when it's real cold outside, a window pane is a good indicator of the humidity level in a room. A lot of condensation or frost on the pane, whether its a single layer or insulated, or backed up with a storm window, means there is too much humidity. A little moisture is good; a lot — or none at all — is not so good. Humidifiers and dehumidifiers can be used too, but you can generally control humidity by other means.

Co-op office closed

Your cooperative office will be closed on Thursday, December 25, Friday, December 26, and Thursday, January 1, in observance of Christmas and New Year's.

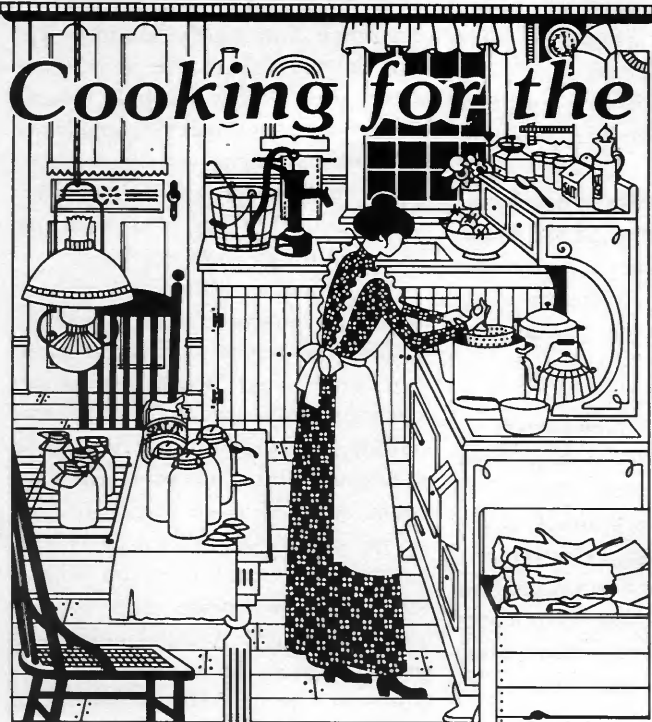
We're here to help!

We all know that rising electric costs are the result of inflation, not the cause of inflation. But that does not ease the burden of consumers, when high winter heating costs fall on top of other bills eating away at the family budget.

If you're one of the many families having trouble making ends meet, don't put off paying your monthly electric bill past the deadline. Give us a call. There are a number of federal and state programs available to help low income families and senior citizens through the high cost heating months. We'll be glad to put you in touch with the proper agency to determine if you qualify for assistance.

After all, as a cooperative, we're owned by those we serve.

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

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|-------------------------|---------------------------|
| 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 |
| 2/3 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

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|-----------------------|---------------------|
| 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

- | | |
|-------------------------------|---|
| Cake: | 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 | GLAZE: |
| 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 | Spice Bag: |
| 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.