

Dave Curry demonstrates the fireplace shade. Curry and a friend teamed to develop the device, designed to seal off a fireplace and prevent the possibility of sparks causing a fire and keep heat from escaping up the chimney when the fireplace is not in use.

Unique shade designed to save energy



A Corn Belt Electric Cooperative member and a friend have developed a unique energy-saving device designed to cut back on fireplace heat loss. It is the fireplace shade, a product much like a window shade, except that it is engineered to tolerate temperatures up to 700 degrees fahrenheit, the two inventors say.

The fireplace shade is the work of Corn Belt member Dave Curry of Bloomington and Duane Kunz of Morton. Kunz had the idea and Curry—who is president of the Fireplace and Patio Center, a firm which markets fireplace and patio products in several central Illinois cities—had the marketing know-how.

Using the same principle as a window shade, it provides a barrier between the smoldering fire and the room, thereby eliminating the hazard of shooting sparks and reducing heat

loss at night, Curry points out. The fireplace shade installs invisibly in most fireplaces and is less expensive than glass doors.

With Kunz providing the engineering and Curry the marketing knowledge, the two established Flame-Tech Inc. to arrange for manufacturing and marketing. Soon they had lined up distributors in 30 states and in Canada.

“How many times have you enjoyed a fire in the evening, only to retire before the fire is completely out?” Curry asks. “You’re faced with having to either put the fire out, or simply put the screen over the front and go to bed. That allows the fireplace to exhaust much of the heated room air to the outside during the night,” he says.

“With the fireplace shade, you can simply draw it down before retiring; the fire dies out, and heat loss from

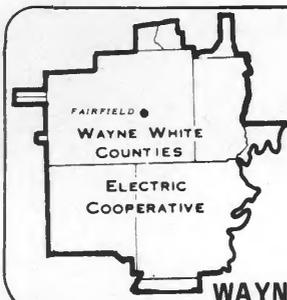
the room is effectively eliminated.”

“It received a great response at the Chicago Hardware Show this past fall,” Curry adds.

Curry says that November was the first full production month with output of 7,000 shades per week. “We think its the hoola hoop of fireplace products.”

Retailing for under \$60, depending upon fireplace size, the shade is available through many fireplace product dealers throughout Illinois.

Sales “boomed” too soon, Curry says. Television commercial spots were given to stations during October for viewing in November. Curry said he was watching the baseball world series one day in October, when a commercial for his fireplace shade appeared. Calls and orders came in before they could fill them. “We really got caught off guard,” he says, “but we’ve recovered pretty well now.”



Wayne-White News

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

1977: A year of growth

Coal mine, shopping center, new homes, oil connects, grain dryers added to system

Some of the larger loads added to your Wayne-White Counties Electric Cooperative system in the past year were the Inland Steel Coal Mine in Hamilton County, the Country Garden Shopping Center near McLeansboro, 175 electrically heated homes, a large number of oil connections, approximately 150 grain dryers, and many other farm loads.

During the past year, about 65 miles of line was built to serve these added loads. This growth is a healthy situation for your cooperative and places it in a better bargaining position for wholesale power.

The wholesale power purchased in 1976 was just under 210 million kilowatt-hours (kwh). In 1977 the kwh purchased exceeded 216 million. This additional six million kwh purchase was not all used by new connections. The reports show that the average farm kwh usage per month increased from 811 kwh in 1976 to 873 kwh in 1977. This is an average cost increase to the farmer from \$28.68 per month to \$33.37 per month.

Even though the cooperative has additional miles of line to maintain

and the number of consumers and their use has increased, we find the operating and maintenance expenses, minus the cost of wholesale power, was within \$5,000 of the cost in 1976. We feel this is a great tribute to the board of directors and employees of your electric cooperative.

We would also point out that the percentage of line loss, the difference between power purchased and power sold, has increased to about 9 percent. Part of this loss cannot be corrected. Electrical power lost through transformers and over 3,000 miles of lines cannot be recovered 100 percent. There are some other conditions we do have some control over, such as tree limbs, damaged insulators and slow meters. This all adds to the line loss. Also, we have a small percentage of those who would take advantage of others by devising means of taking power illegally. This drives the operating costs higher and everyone must pay to make up for the loss. We want our members to know that we are making every effort to bring the percentage of line loss down. We solicit your help in this.

A meter-reading program was

initiated in the last week of December and the first week of January to field check all meters for correct readings, stopped meters, broken seals and any problem areas. This is for the protection of the member-consumer as well as the cooperative.

Our meter-testing program continues for the benefit of both the consumer and the cooperative to give an accurate measurement of power used.

A pole-control program has been in effect for a number of years. Poles are tested and treated. Bad poles are tagged for change out. Over 200 poles were changed in 1977. At the present, about 500 poles are slated for change-out.

Weather conditions in the winter months make new construction difficult. Most of our men are assigned to maintain the 3,000 miles of energized lines that provide service to over 11,500 accounts.

The past year has been a good year, enabling your cooperative to pay \$245,000 in capital credits to its members. We are looking forward to another year of progress with you, a member and owner of the cooperative.

Sophomores, Juniors, Seniors. . .

Enter Your Essay Now. . .

**You Could Be the One to
Win a Free Trip to
Washington, D.C.**



One boy and one girl will receive an expense paid trip to Washington, D.C. Date to be announced.

Five boys and five girls will be participants in 1978 "Illinois Rural Electric Youth Day" held in Springfield.

Cash awards: \$30.00 will be given to each school under the following conditions; a minimum of six essays from each school must be submitted, three from girls and three from boys. Fifteen (\$15) dollars will be given to the girl and fifteen (\$15) to the boy with the best essay from their school. Boys and girls will not compete against each other.

Eligibility:

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

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

Two Topics To Choose From

"Electricity's Tomorrows"

"Energy Management/Energy Conservation"



Form:

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

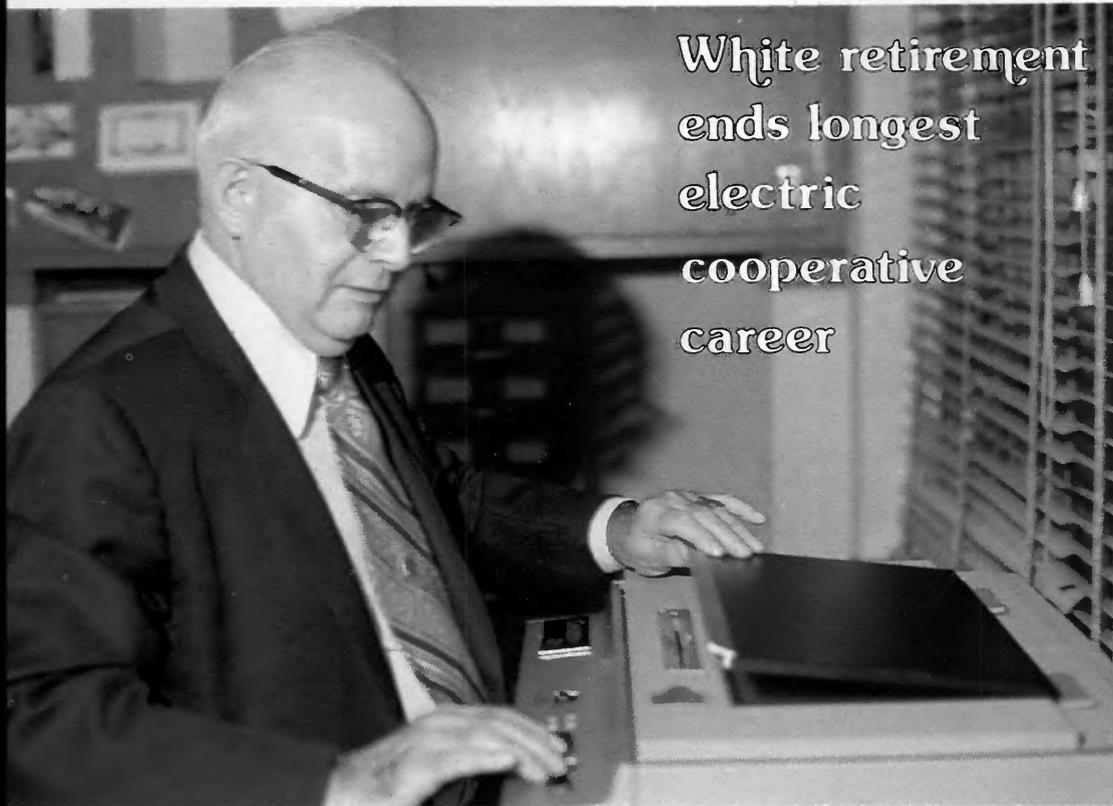
Information:

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

Entry:

Deliver the essay to the teacher in charge or mail to Wayne-White Counties Electric Cooperative, Drawer E, Fairfield, Illinois 62837, no later than January 31, 1978.

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



White retirement ends longest electric cooperative career

Manford White, who recently retired as office manager of Rural Electric Convenience Cooperative, Auburn, earned a special place in electric cooperative history when he completed his 40th year as an employee in August.

When Manford R. White, long-time office manager of Rural Electric Convenience Cooperative (RECC), Auburn, retired last month, it marked the end of a career in rural electrification longer than that of any other electric cooperative employee in the state.

A veteran of over 40 years (he went to work for RECC on August 4, 1937), White began as a bookkeeper and later became office manager. He started to work the day the first RECC lines were energized.

A native of Pawnee, Illinois, he was graduated from Pawnee High School in 1930 and worked in the Pawnee post office and at an automotive wholesale house in Springfield for a short time before going to work for the cooperative.

"When I started work," White recalls, "Charles Masters, the project superintendent, and the late Merle B. 'Stormy' Ray were the only other full-time employees working in the office. Elizabeth Roncz was a part-time office worker, and she came to work full time when she graduated from high school the following spring. Our office was in Divernon then.

"Ray left after a couple of weeks,

and R. D. (Bud) Wilson, who had worked with the contractor who built the system, took his place. He worked for the cooperative until he retired a few years ago."

The cooperative has changed considerably since those days, he says. In 1937, the cooperative had one substation feeding 134 miles of line, and there were 395 consumers on that line.

"We had that one substation for a long time, until about 1946," he says, "and we were faced with some pretty critical voltage situations. Now, we have 1,253 miles of line serving 4,550 consumers."

Many prospective members were reluctant to sign up because of the stiff \$5 membership fee, and the \$3.25 monthly minimum frightened some prospects, too. There was no meter deposit in those days, and the monthly minimum paid for 40 kilowatt-hours of electricity. Some wondered if they would use that much.

"We were a little surprised," White relates, "because we had a pretty good load right from the start. Of course, everybody had lights, and many had electric ranges and water heaters. Of

course, the ladies had their washing machines, too."

Farming was different then than it is now, he remarks, and that most farms were more diversified. Many had a few cows and cream separators were a fair part of the load, since many farmers sold milk or separated their milk and sold the cream. Most farms had a couple of hogs, a few chickens and a garden, too. In fact, the chicken brooder load was a fairly regular thing in the spring. People would order baby chicks by mail, the mailman would deliver them, and they'd take it from there with the brooders.

Now there are fewer farms and they are much larger than the farms of the 1930's and most are specialized operations.

"People ask me once in a while what some of the highlights have been," White says, "and the biggest highlight I can think of is the growth of the system over the years. In 1937, not even the most imaginative person would have predicted that the cooperative would reach its present size or that the monthly kwh consumption would ever exceed 1,000 kwh per
(continued on page 23)



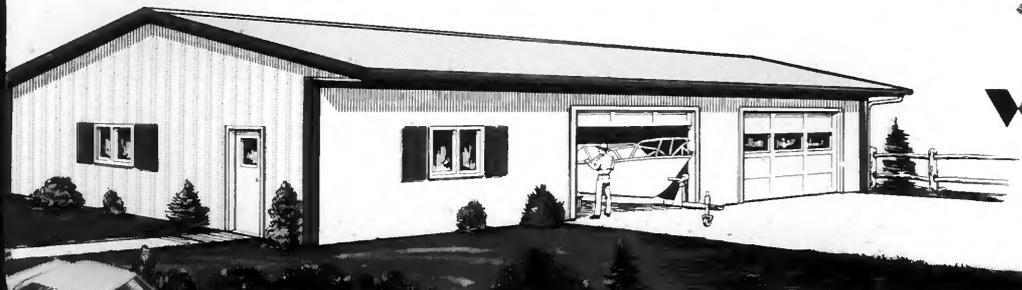
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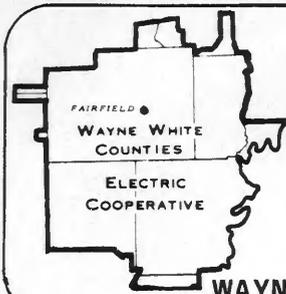
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Wayne-White News

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

Wholesale Power Rate Increased

In 1977 Central Illinois Public Service Company gave notice to its electric cooperative consumers that it intended to increase the wholesale power rate schedule January 1, 1978. Later a proposal was received by the cooperative for a 23.3-percent increase. At this time a negotiating committee was selected from 17 Illinois electric cooperatives that purchase wholesale power from CIPS and negotiations started immediately.

Agreement was eventually reached with CIPS for 13.4-percent increase in the bulk power rate beginning January 1, 1978, and ending December 31, 1978.

This percentage of increase became effective on your usage January 1, 1978, and will appear on your February 1 billing that you receive March first.

At the present time no increases are being made in the rate structure, but

this increase will be reflected in the wholesale power adjustment on your power bill. The cooperative has not raised its rates since 1974, but due to the increased cost of labor, materials, equipment, taxes and other costs in operating the cooperative, it may be necessary that during the year 1978 the cooperative will have to have a rate increase to meet these increasing expenses.

Reading and Inspection of Meters

We want to express our thanks to our members for their cooperation when our men came to read and inspect their meters. Most of our meters were found in good condition with no tampering evidenced. This check was routine and for the protection of the membership as well as the cooperative.

All meters have now been sealed. We want to emphasize again that only cooperative personnel has the authority to break those seals. If for some reason you find it necessary to pull the meter, please contact our office, Phone 842-2196. We will dispatch a truck to that area.

Capital Credit Checks

Capital credit checks were issued December 1, 1977, to members who received service during the year 1956. It is a pro-rata share of the capital contribution you paid and is based on the electrical energy you used in relation to other consumers.

Following is a list of names on whom we have no information. Please look the list over; if you recognize any of these names and have any information concerning where they, or one of their heirs can be located, please let us know. We would like to locate as many as possible. After a specified length of time any money we are unable to refund must be paid to the State of Illinois.

In case of estates, we will make the payment to the executor or any heir willing to sign an affidavit stating they are an heir. These payments, too, will be made as each year is refunded.

Additional names will follow in future issues of the *Wayne White News*.

George Abby, Ellery
Dean Abendroth, Bone Gap
Ralph Acton, Noble
Evelyn Adams, New Harmony, Ind.
Homer Adams, Thornton
Mary Adams, Anderson, Ind.
Archie H. Akers, Martinsville
James Allen, Woodriver
Mattie Allen, Carmi
Millard Allen, Xenia
Allen Nell Bennett, Mt. Vernon
W. C. Allen, Orchardville
R. R. Allgood, Buckingham
Margaret Allison, Ellery
Florence A. Allyn, Springerton
Amy Alvis, Dinuba, CA
Amy Anderson, McLeansboro
Arthur Anderson, McLeansboro
Frank A. Anderson, Alberta, Canada
Raymond Anderson, Cambridge
Tom Antell, Lovington, N.M.
John Anthis, Geff
Ardee Oil Co., Evansville, Ind.
J. E. Asbury, Xenia
Eldon Ash, Cisne
Jesse Ash, Noble
James Askew, Bluford
Elick Atteberry, Rinard
Joe Atteberry, Cisne
M. D. Aud, Carmi
Mary Austin, Springerton
Wayne Austin, Joliet
Charles Babcock, Maunie
Lloyd Babcock, Carmi
Glen Bailey, Xenia
Elmer Baker, Mill Shoals
Harry Baker, McLeansboro
Robert Baker, Carmi

Ben Ballard, Tinley Park
 Myron Banhart, Clay City
 Ralph Bare, West Salem
 Dora Barker, Olney
 J. T. Barker, Keenes
 Orvil Barker, McLeansboro
 Geneva Barnes, Arlington, Tex.
 Paul Barnfield, Cisne
 Pauline Barnhart, Palatine
 Wm. Barrett, Mt. Erie
 Ethel Beasley, Xenia
 Della Beehn Neirs, West Salem
 Perry Elegee, Carmi
 Mabel Bell, Fairfield
 Eugene Belt, Fairfield
 Thompson Benner, Omaha
 Mrs. V. C. Bennett, St. Louis, Mo.
 Raymond Benskin, Flora
 Mrs. B. M. Berg, Fairfield
 Charles Billington, Cisne
 Hobert Biggerstaff, McLeansboro
 James Biggerstaff, McLeansboro
 Jeff Billington, Rinard
 A. C. Biri, Bluford
 Raymond Blair, Cisne
 Dorothy Blackburn, Mt. Vernon, Ind.
 Mae Blake, Mt. Vernon
 Bernice Book, Olney
 Chas. Boone, Noble
 Vincent Borah, Peoria
 Anna Borcherts, St. Louis, Mo.
 Howard Bostian, Cisne
 Chester Bower, Ellery
 Mrs. Edith Bowers, Fairfield
 Fred Bowers, Cisne
 C. R. Bowlds, Fairfield
 Chas. and Ida Bozarth, Broadview
 Ethel Boze, Mill Shoals
 Jesse Braddock, Bluford
 Ben Braden, McLeansboro
 Jim Bradford, Mundelein
 Norman Bradford, Keenes
 Ira Bradham, Bone Gap
 Alfred Bradley, Carmi
 Pearl Bradley, West Salem
 Leonard Brashear, Cisne
 Katie Brawley, Albion
 Chas. Brechner, Grayville
 Raymond Bray, Carmi
 Charles Brewer, Detroit, Mich.
 E. H. Brock, Barnhill
 Hick Brockett, Norris City
 H. B. Brooks, Carmi
 Clarence J. Brown, Norris City
 Claud Brown, Xenia
 Douglas F. Brown, Nashville
 Earl Brown, Grayville
 Frank Brown, Geff
 James G. Brown, Chicago
 Lee R. Brown, Augusta
 N. D. Brown, Noble
 W. T. Brown, Cisne
 Henry Browning, Carmi
 Guy Bruce, Cisne
 Flora Brumit, McLeansboro
 Cecil Bryant, Robinson
 Cornelius Bryant, Carbondale
 Nelson Bryant, Carmi
 Nathan Bryant, Grayville
 Albert Buckner, Norris City
 Buckskin School, Springerton
 Louis Bump, Norris City
 Bunker Hill School, Springerton
 Minnie Bunting, Ellery
 Franklin Burgess, Carmi
 Glen Burgess, Orchardville
 Harriett Burgess, Cisne
 Jerry Burkett, Columbus, Ohio
 John Burnett, Carmi
 Cecil Buttery, Carmi
 Everett Buttry, New Haven
 Byden Construction, Flora
 Vera Brown Byford, West Salem
 Fred Cable, Sterling
 Jesse Cairns, Cisne
 James Calhoun, Norris City
 Archie Campbell, Olney
 Earl Campbell, McLeansboro
 Oren Campbell, Carmi
 Joseph Capshaw, Barnhill

Annual Members' Meeting Wayne-White Counties Electric Co-op

MARCH

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Fairfield High School Gym

*For Detailed Information
 Check the March Issue of the
 Wayne-White News*

Dorothy Carlson, Chicago Ridge
 Rosalie Carner, McLeansboro
 H. D. Carpenter, Cisne
 J. B. Carr, McLeansboro
 John Carter, Mill Shoals
 Thomas Carter, Carmi
 Carroll W. Casey, Carmi
 Joe Cates, Fairfield
 Clem Cathey, Springerton
 Centerville Tcle Co., Carmi
 Alvia Chalcraft, Ellery
 J. C. Chamberlain, Chester
 Frank Chapman, Norris City
 Myrtle Cheek, McLeansboro
 Frank Chrisman, Mt. Erie
 Horace G. Clark, Mill Shoals
 Kenneth Clark, Evansville, Ind.
 Robert Clark, Fairfield
 Otto Clements, Cisne
 Beatrice Clodfelter, West Salem
 Allen Coale, Fairfield
 A. B. Colbert, Enfield
 W. H. Cole, Calhoun
 Kelly Collins, Carmi
 Roy Collins, Ellery
 Lillian Comie, Murphysboro
 Hary Conour, Olney
 Esty Cook, E. Peoria
 George Cook, Parkersburg
 Nancy Cook, Flora
 W. R. Cook, Sims
 Glen Cooper, Cisne
 James M. Correll, Bone Gap
 Fred & Leo Coulter, Decatur
 Virginia Cox, McLeansboro
 Lester Crocker, Wolcott
 Lottie Cunningham, Alton
 June Curry, Salem
 F. W. Cusic, Carmi
 Bert Cutting, St. Louis, Mo.
 Mickey Dagley, Norris City

Bernice Dalton, Mt. Erie
 Leslie Dalton, Kankakee
 Gale Daniels, Kell
 James Daniel, Norris City
 Roy Daniels, Barnhill
 Arthur Dare, McLeansboro
 Chas. Davis, Bethalto
 David Davis, Carmi
 Maggie Davis, Marion
 Ray Davis, Tavares, Fla.
 Robert Davis, West Salem
 Wm. Davis, Springerton
 Roy Curtis Debose, Grayville
 Fred Decker, Norris City
 Floyd Delashmit, Carmi
 Ralph Dennings, Flora
 D. G. Desch, Sims
 J. B. Diel, Noble
 Stella Dilley, Olney
 Burnis Dixon, Carmi
 H. E. Donoho, Bluford
 Sam Donoho, Texico
 W. T. Donoho, Kell
 Lon Dorman, Bone Gap
 Howard Douglas, Oakland, Ark.
 Frank Drake, Norris City
 George Drew, McLeansboro
 G. M. Dugan, Keenes
 Ina Dukes, Bone Gap
 W. A. Dulaney, Collinsville
 C. E. Duncan, Cisne
 R. L. Duncan, Noble
 Ina Dunk, Grayville
 Jack Dunlap, Cisne
 Horace Dunn, Carmi
 James Dunn, Mill Shoals
 Ray Dye, Ellery
 James Eaton, McLeansboro
 Rosa Edwards, Clay City
 Wm. Edwards, Xenia
 Charles Elliott, Grayville

C. V. (Vic) Swanson-

Well into his fifth decade as rural electrification leader

(continued from page 17)

copper allocations," Swanson recalled. "We told him what our problem was. We told him of the production on the farms. We told him we were going to use electricity to produce more food," he added.

"The man told us he thought that if the power companies received sufficient supplies of copper wire, all would be well. I think the man was innocent in that belief," Swanson said.

The meeting seemed to be for nothing. As the group was leaving the bureaucrat's office, Swanson noticed a photograph on the wall showing a huge copper mine near Salt Lake City, Utah. "I knew the manager of that mine," Swanson smiled. "I just turned around and told him I knew Garrison. He was impressed."

"So instead of us going out the door, we turned and went back in and talked some more. The next day, we went by the REA offices and they told us, 'We don't know what you did yesterday, but you did it,' meaning we had convinced the man to allocate copper wire to the cooperatives."

"We had convinced him that copper

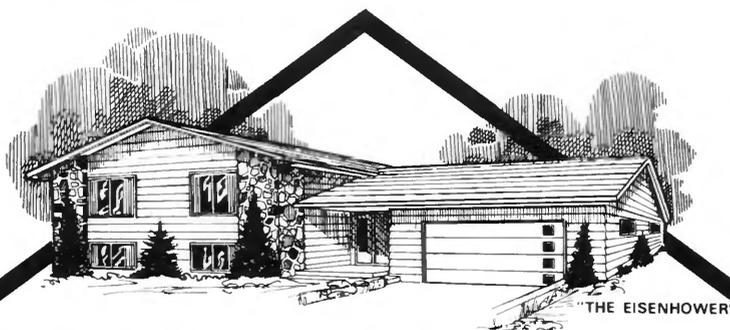
wire was essential to food production," Swanson added.

Swanson has served three times as Illini board president, and was elected vice president and secretary-treasurer. He was elected to every Farm Bureau office, including a term as president in 1954.

For nine years, Swanson served as vice president of the Illinois Statewide Power Cooperative.

He was an organizer of several Champaign County agriculture organizations, including the Champaign Production Credit Association, Soybean Marketing Association, Champaign County Livestock Association and Champaign County Service Company.

He and his wife, Agnes, live in retirement on their Maple Grove farm near Ludlow.



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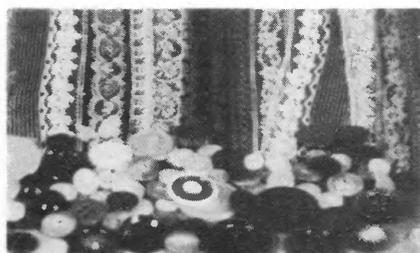
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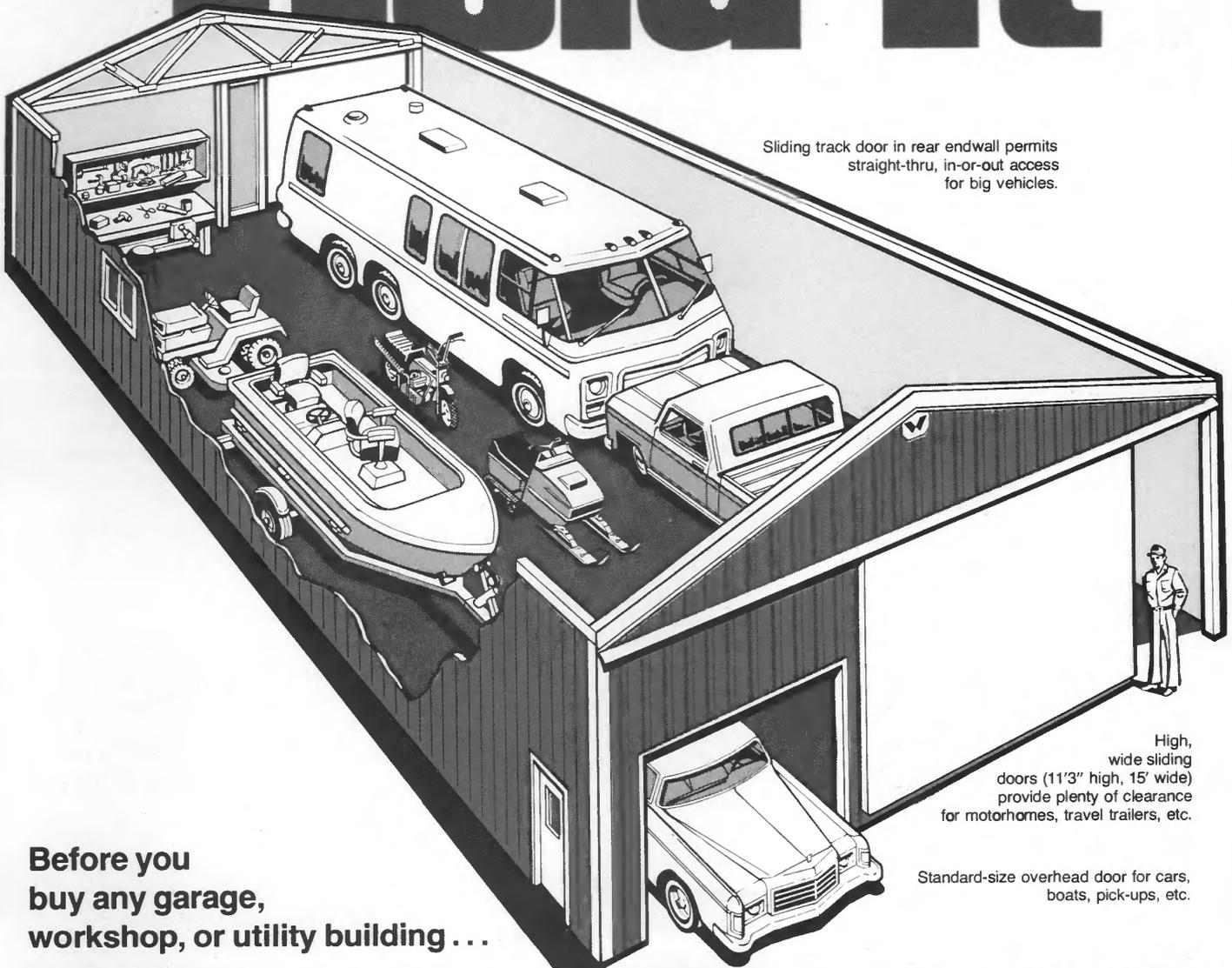
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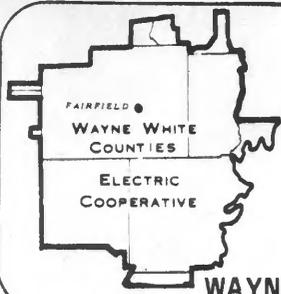
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Gilman, Box 336 (815) 265-7257	IOWA Dubuque, Box 1026 (319) 556-1663
Mendota, Box 9 (815) 539-9325	WISCONSIN Elkhorn, Box 127 (414) 723-5261
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Taylorville, Box 117 (217) 824-9851	



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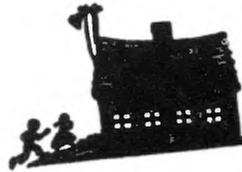
Name _____
 Address _____
 Town _____ County _____
 State _____ Phone _____



Wayne-White News

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

Richard Travis
REGIONAL SUPERINTENDENT OF SCHOOLS
White County
CARMi, ILLINOIS 62821



Dear Sir:

On the morning of January 25th and the morning of January 26th one of the worse winter storms in history hit the Midwest. A tree was blown over the REA lines east of Crossville, cutting off power.

I should like to commend the crew that responded to the phone call of power failure. I saw the crew working in forty-mile an hour wind and snow with a wind-chill factor of 49 degrees below zero.

Just being able to get through the snow drifts was unusual, but they restored the power.

Too frequently public-service companies receive criticism and no compliments. I want to throw a bouquet to the crew of Wayne-White Co-op.

Please relay my thanks to the crew that was out in the storm.

Sincerely,

Richard Travis
Regional Superintendent of Schools
White County
Carmi, IL 62821

Capital credit checks

Following is a continuation of the list of names we printed in the February issue of the *Illinois Rural Electric News*. Please look the list over; if you recognize any of these names and have information concerning where they are, please let us know. These people have capital credit checks issued December 1, 1977. It is a pro rata share based on the electrical energy used during the year 1956.

Delbert Elliott, Fairfield
Dale Wm. Elliott, McLeansboro
Frank B. Ellis, Fairfield
Harry Ellis, Bluford
Lloyd Ellis, Fairfield
Lawrence E. Ellison, Enfield
Mrs. Vernie Ellison, Cisne
Opal Daniels Emmons, Olney
Alvin J. Endicott, Norris City
Dewey Enlow, Mt. Carmel
Rachel Epperson, Centralia
Clarence Ernest, McLeansboro

Arch Evans, Bone Gap
R. B. Evans Estate, Harlingen, Tex.
George P. Ewing, Fairfield
Cloyd Farmer, Cisne
David Farran, Olney
David Farrell, Hastings, Neb.
Rolla Faulkner, McLeansboro
Minnie Fearn, Grayville
Roy Fearn, Cisne
Forest T. Feiock, McLeansboro
Oran Felix, McLeansboro
Eli J. Feller, Cisne

Winter Storm

The severity of this winter measured in degree-days is adding up to a colder-than-average season.

Our heating season began in September, registering slightly above average for the month. October fell below average by 90 degree-days. November went below average by only eight degree-days. December plunged below by 155 degree-days and January dropped below average by 409 degree-days.

These colder-than-average temperatures coupled with deep snow and high winds created hazardous working conditions for our maintenance men, who in some areas worked throughout the night to restore power to homes where service had been interrupted.

Our well-maintained system paid off as most of the 3,000 miles of lines stood against the blizzard.

We want to recognize the many people who, without being asked or without pay, gave their time and use of equipment to assist in clearing snow so that our service trucks could get to the people in need of electric service.

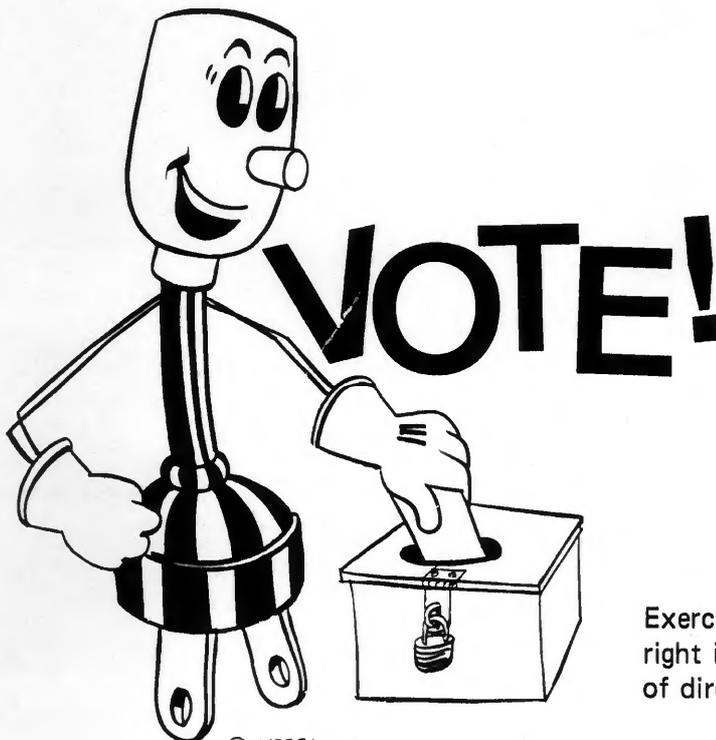
Men like Willie Cox of R. 3, McLeansboro, and many others whose names we do not know saw the need and responded without hesitation. As a result of this response our trucks were able to get to the substations and other areas of urgency. We at Wayne-White want to express our thanks for the cooperative spirit during this time of emergency.

Frank Feuquay, McLeansboro
Francis M. Field, Dahlgren
Harold Fields, Dahlgren
Orville J. Files, Carmi
Eva Finley, Olney
Salvation Army (Fiock Eva-Estate),
St. Louis, Mo.



Annual Meeting Notice

WAYNE-WHITE COUNTIES ELECTRIC COOPERATIVE



Friday March 31, 1978

Registration 5:30 P.M.

Business Meeting 7:00 P.M.

Fairfield

High School Gym

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CRIMSON GLORY
Large full velvety crimson blooms. Very fragrant. Former patent no. 105



MIRANDY
Huge full blooms of dark red. Fragrant. Former patent no. 632



CHRYSLER IMPERIAL
Light Crimson with dark overtones. A beauty. Former patent no. 1167



HAPPINESS
Brilliant Fire-engine red color. Former patent no. 911



SHOW GIRL
A rich deep pink, long buds. Former patent no. 646



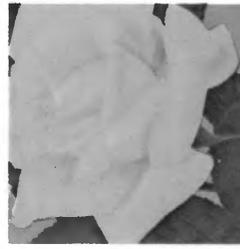
MOJAVE
Gorgeous blooms of glowing orange. Former patent no. 1176



STERLING SILVER
A pastel lavender tone. Ster-ling silver look. Former patent no. 1433



PEACE
Magnificient blooms of yellow edged in pink. Former patent no. 591



LOWELL THOMAS
A lemon yellow with fragrant blooms. Former patent no. 595



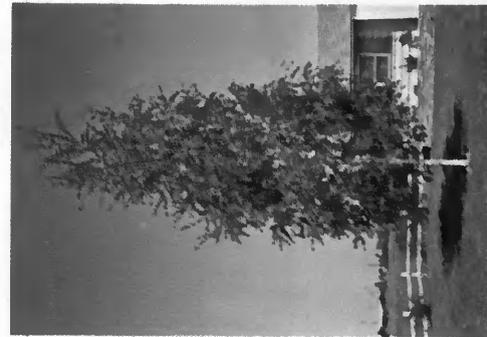
NOCTURNE
Long perfectly formed buds. Velvety red. Former patent no. 713



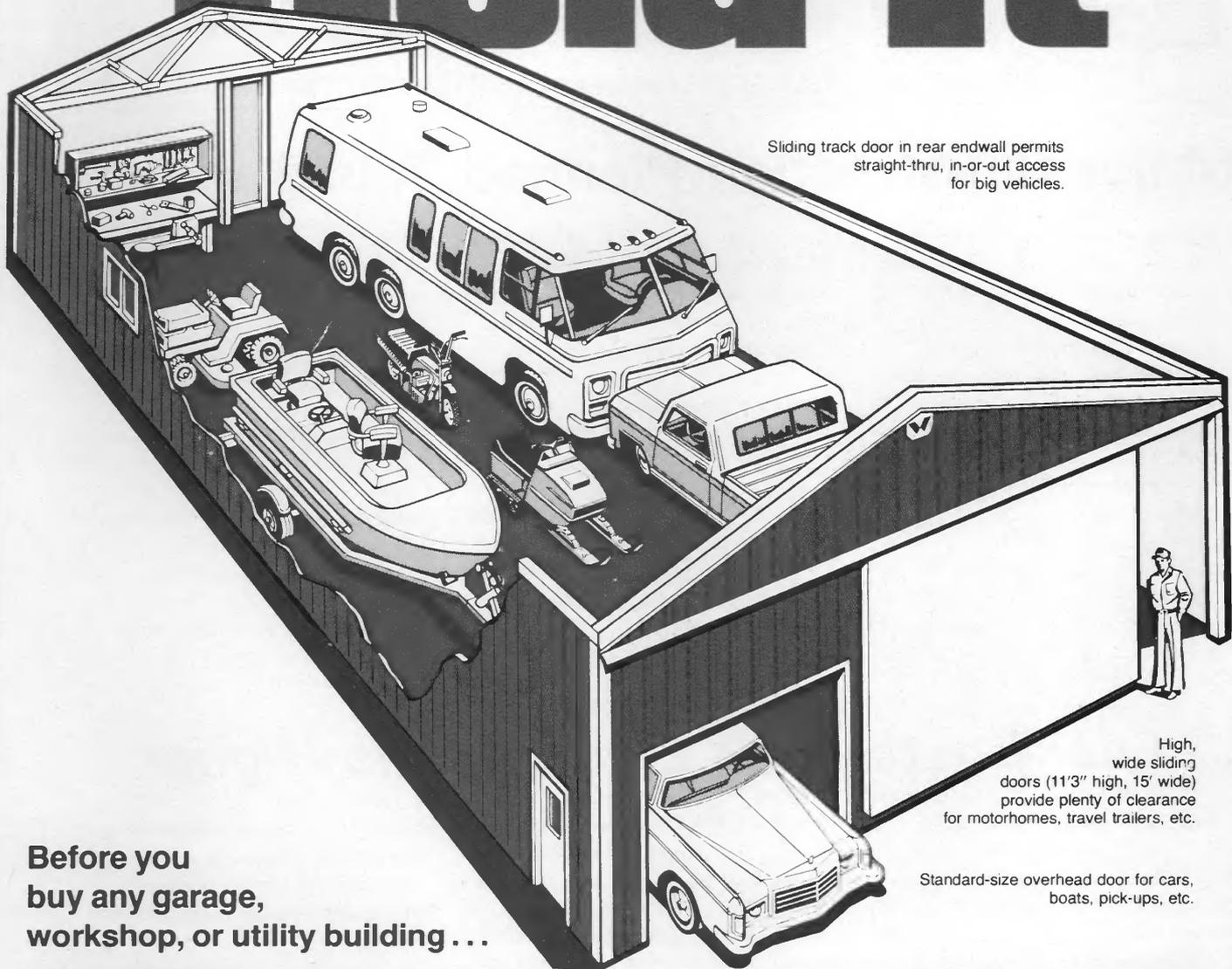
DIAMOND JUBILEE
A yellow and orange combination. Former patent no. 824



MONTEZUMA
Gorgeous blooms of scarlet pink. Former patent no 1383



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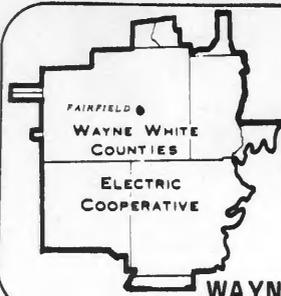
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Wayne-White News

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

Major Construction Planned This Summer

Two new substations are slated to be built this summer, along with approximately eight miles of 69,000-volt transmission line.

A new and larger substation will be built to replace the existing Carmi substation. This will be at the same location as the existing one. Three 833-KVA transformers will be added to the three 833-KVA that are in place, doubling the capacity of the present substation.

The second new substation will be named the Diamond City substation. It will be located southwest of McLeansboro. This new station will

have one 5,000-KVA transformer. Loads from McLeansboro, Enfield and Norris City substations will be switched to the new Diamond City substation, creating a better balance throughout the system. These additions will make a total of 20 substations serving the Wayne-White Cooperative area.

A new 69,000-volt transmission line was built last year from Enfield to the Inland Steel coal mine. This was part of the three-year plan that would be built in stages to complete a loop in our cooperative system. This year the transmission line will be extended to

the new Diamond City substation. In 1979, the transmission will be built on to the McLeansboro substation. When this is completed the system will be so constructed that power can be fed to 16 substations on the loop from either direction.

The long periods of snow last winter put construction behind schedule. The construction crews will be trying to make this up, therefore we suggest if you have plans for grain drying or other installations that require electrical construction, contact us as early as possible so that we can get this in the work plan.

Fuel Costs Push Electric Bills Higher

Effects of the long coal strike will mean higher bills for members of Wayne-White Counties Electric Cooperative. The increases are all beyond the control of the cooperative.

There are two factors resulting from the coal strike which will cause members' monthly assessments to increase:

- the high cost of coal purchased during the strike, and
- the long-term impact on the price of coal of the new union-industry contract.

The first effect will be felt immediately. The cooperative's bulk power supplier, Central Illinois Public Service Company (CIPS), incurred extraordinarily high purchased coal costs during the extended strike, which began in early December and lasted nearly four months. During the strike period the cost of coal purchased to generate electric power to meet consumers' demand during the

record winter cold climbed sharply. It was not uncommon for coal prices to be as high as twice their pre-strike level.

The additional fuel costs (at times generating stations switched to available fuel oil for electric generation and fuel oil cost is noticeably higher than coal) are to be passed through to consumers as wholesale power costs adjustments. During January, February and March, these expenses were very high and to pass them on in the usual manner would result in extremely high monthly bills for Wayne-White members this Spring.

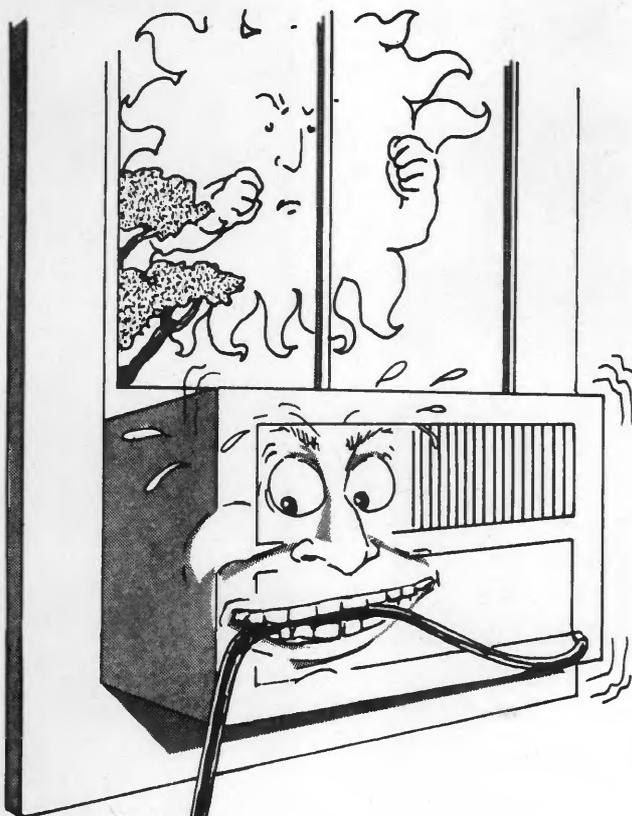
Normally these fuel costs would be passed through immediately, but CIPS chose to defer the costs over a period of time. Rather than have skyrocketing bills in the Spring months, Wayne-White members will have a more even distribution of these costs spread out over a longer period of time.

We will not avoid paying these costs for coal and other fuels purchased and used during the strike, but they will be spread out over a longer period of time. CIPS will not charge interest to the cooperative for this longer pay-back.

The other major impact of the coal strike will be increased cost of coal resulting from the new contract between the coal operators and union miners. The exact amount of such an increase has not been determined, but coal prices and electricity costs will go up, too.

The coal-strike effects on members' bills will be in addition to a recent increase in bulk power rates to the cooperative from CIPS. On January 1 this year, the supplier increased its rates to the cooperative by 13.4 percent, due largely to construction costs of CIPS' new generating plant near Newton in Jasper County.

Neglect Your Air Conditioner This Spring And You'll Pay for It on Your Summer Electric Bills



Dirty, inefficient air conditioners waste more electricity than just about any other appliance. Before turning yours on this spring, make sure it's in proper running order.

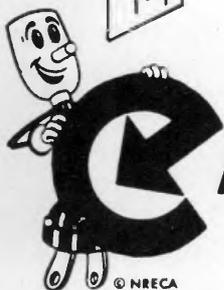
First, check the filters. If they're dirty, clean or replace them, but be careful not to damage coils or fins.

If you're buying a new air conditioner, look for the energy efficiency rating (EER) on each model to be certain you're getting the most cooling with the least electric use. The higher the EER number, the more efficient the unit and the less it costs to operate.

If possible, place your window unit on the shady side of the house so it won't work so hard to keep you cool.

If you have central air conditioning, keep leaves, grass and other obstacles from interfering with the operation of the outdoor condenser unit.

For more information on how to cut your cooling costs and conserve energy, contact your electric cooperative. Remember, efficient use of electricity IS energy conservation.



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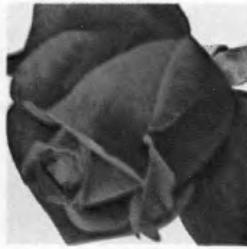
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ROSES, 2 YEAR FIELD GROWN, \$1.98 ea., 12 FOR \$22.98
 OVER 350 VARIETIES TO CHOOSE FROM

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CRIMSON GLORY
 Large full velvety crimson blooms. Very fragrant. Former patent no. 105



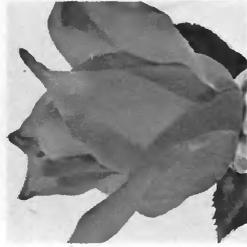
MIRANDY
 Huge full blooms of dark red. Fragrant. Former patent no. 532



CHRYSLER IMPERIAL
 Light Crimson with dark overtones. A beauty. Former patent no. 1167



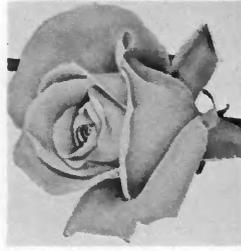
HAPPINESS
 Brilliant Fire-engine red color. Former patent no. 911



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MOJAVE
 Gorgeous blooms of glowing orange. Former patent no. 1176



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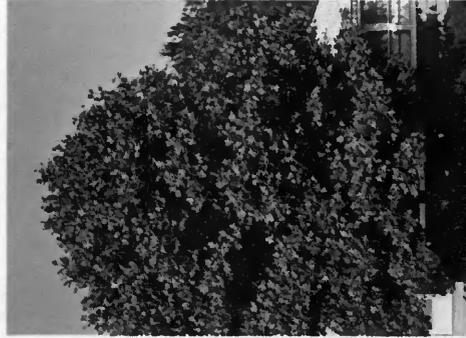
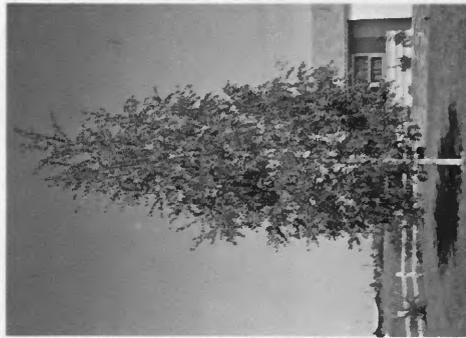
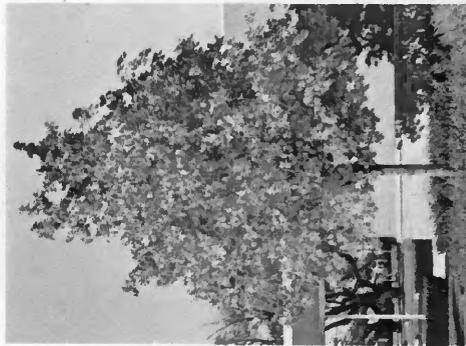
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 Long perfectly formed buds. Velvety red. Former patent no. 713



DIAMOND JUBILEE
 A yellow and orange combination. Former patent no. 824



MONTEZUMA
 Gorgeous blooms of scarlet pink. Former patent no. 1383



Restoration completed

(continued from page 7)

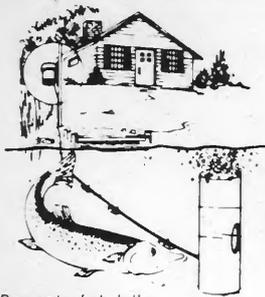
Franklin, in Illinois Rural Electric Co. territory. Illinois Rural, a cooperative with one of the most widespread service areas in the state, was also one of the hardest hit.

"The lines started going down," Campbell relates, "and the tree by the driveway fell, breaking the wires leading to our house. I started out to see about getting a generator, but there were poles across the roads and I couldn't get out." He finally did get out, though, and bought a generator. Until then, they pumped water from an old well, using a hand pump.

"We didn't have trouble keeping warm," Campbell said, "because our cookstove has four gas burners and four wood or coal burners. I just cut up the limbs that had broken under the ice and burned them. We used coal oil lamps for light until we got the generator."

The Campbells live near the end of the line and were without electricity for 20 days.

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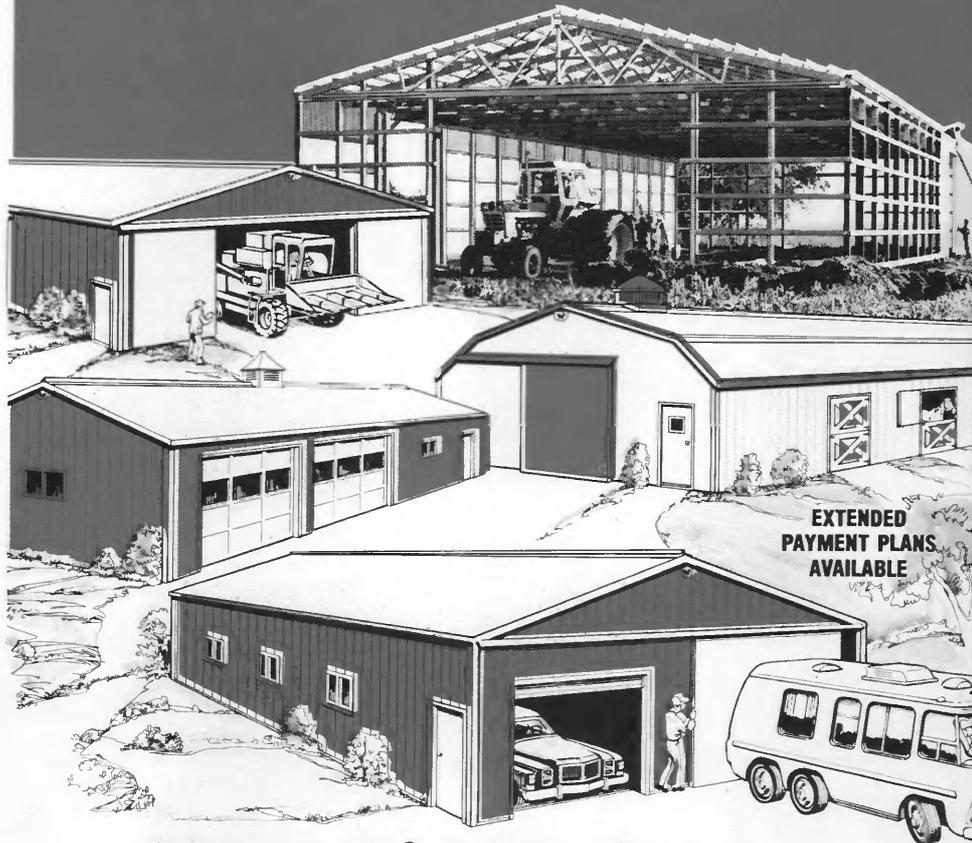
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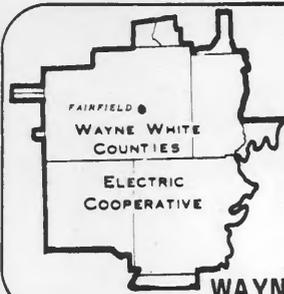
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Wayne-White News

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

Nolen and Glover reelected; Rick Moore is new board member



Robert S. Nolen of Carmi, Robert D. Glover of Mt. Erie, and Rick Moore of Fairfield were chosen for three-year terms on the board of directors of Wayne-White Counties Electric Cooperative at the organization's 40th annual meeting March 31 at the Fairfield Community High School.

Moore replaces G. O. Deem, a 41-year member of the board and one of Wayne-White Cooperative's organizers. Moore, 33, is in the landscaping business and was a forester with the Illinois Department of Conservation for seven years before

starting his business. He has a bachelor of science degree in forestry from Southern Illinois University-Carbondale.

Moore and his wife, Vernia, have a 15-month-old daughter, Rachel.

Deem, 82, is now retired. He was in the general farming business for many years, and was also an insurance broker. He served on the cooperative's board of directors as secretary, vice president, and president. He is a Geff resident.

Glover is a grain-livestock farmer and fertilizer dealer from Mt. Erie. He





Rick Moore, newly elected member of the Wayne-White Counties Electric Cooperative board of directors, is pictured at far left, while the entire board is in the photo at lower left. Seated are, from left: Evans Williams, McLeansboro; Robert S. Nolen, Carmi; Jerry Carter, Mill Shoals; and Jack Kelsey, Albion. Standing are manager Bill Endicott; Larry Hosselton, Clay City; Charles R. Moore, Ellery; Rick Moore, Fairfield; Robert D. Glover, Mt. Erie; Stanley Greathouse, Johnsonville; and attorney Francis S. Feiger. At left, manager Endicott addresses the meeting, and below, member Helen Metcalf visits with Wayne-White employee Lowell Jamerson.

was first elected to the board in March 1975.

Nolen, also a three-year veteran of the board, is a professional farm manager and appraiser, and has a crop and livestock operation in the Carmi area.

In his report to the membership, Nolen, president, urged consumers to look for new and better ways to conserve electricity. "In President Carter's energy plan," he said, "strong emphasis is placed on the conversion to electric energy. Forecasters tell us that without strong conservation measures we could experience severe energy shortages as early as the 1980's if we do not act now to prevent it.

"Your cooperative will be able to supply all your needs for electricity," Nolen said, "but it will not be cheap. We buy our power from Central

Illinois Public Service Company, and each kilowatt-hour we purchase has tripled in cost since 1973.

"Your board of directors realizes that the cost you pay for electricity is higher and we are tightening our belts to keep the expenses of the cooperative as low as possible. We believe electric energy, considering all it does for us, is still a bargain. Other fuels have gone up much more in cost than electricity," Nolen concluded.

Cooperative Manager Bill Endicott told members that the cooperative is still growing, but its kilowatt-hour sales are not growing as rapidly as its peak demands.

"When the peak demands exceed the growth of the kilowatt-hours sold, this means that the power cost to the consumer will be higher," Endicott said.

"Perhaps, in the past," he continued, "you have heard us talk about load management. In the future, we are all going to have to practice load management to try to halt our spiraling costs. Load management is basically just managing your electrical requirements so that all your appliances and equipment are not being used at the same time."

Treasurer Jerry Carter, Mill Shoals, said in his report that the high cost of power and the energy shortage are the two items of major concern today.

"In years past, our power supplier had excess electricity produced at their generating plants. They were glad to sell this excess power at a very attractive rate to electric cooperatives but today they have no excess power.

"During 1977, out of every dollar that you paid for electricity, your cooperative paid the power supplier 72 cents for purchased power. Labor, taxes, and materials to operate and maintain your system cost 16 cents. As you can see, the cost of buying power is by far the largest operating expense."

In 1977, operating expenses and taxes totaled \$7,221,687, up from \$6,136,684 the year before. Of the increase, the cost of purchased power in 1977—\$5,329,735—was almost \$986,000 more than in 1976. In addition, the cooperative paid taxes totaling \$102,355.

Net margins for 1977 were \$262,221.

Entertainment for the meeting was provided by "The Country Troubadors."



Power supply, increasing costs are primary cooperative concerns

Availability of electric power and the many factors which increase its cost for the consumer were the main concerns expressed by representatives of Illinois electric cooperatives during recent public hearings conducted to help cooperatives across the country continue to meet the growing power requirements of their members.

Reporting before the Power Supply Study Committee of the National Rural Electric Cooperative Association (NRECA) and the National Rural Utilities Cooperative Finance Corporation (CFC) in public hearings during April in Atlanta were Donald B. Bringman, Executive Vice President and General Manager of Western Illinois Power Cooperative (WIPCO), Jacksonville; Roger C. Lentz, General Manager of Southeastern Illinois Electric Cooperative, Eldorado, and Secretary-Treasurer of Southern Illinois Power Cooperative, Marion; Walter R. Smith, Executive Vice President and General Manager, Illini

Electric Cooperative of Champaign and President of Soyland Power Cooperative, Decatur, and James H. Eddleman of the Association of Illinois Electric Cooperatives, Springfield. Dennis L. Tachick, Manager, Eastern Illinois Power Cooperative, Paxton, attended the committee's hearing in Minneapolis. Atlanta and Minneapolis were among six cities in which the hearings were conducted.

Statements presented revealed the many common problems shared by electric utilities throughout the nation, whether they be investor-owned public utilities, municipal electric systems, public power districts or agencies or electric cooperatives. Increases in the cost of fuel to generate electricity and inflationary construction costs are felt

by every electric utility and their consumers, regardless of their organizational structure. The most recent and costly contributor has been the myriad of federal and state environmental laws and regulations.

Bringman's presentation called the committee's attention to problems related to environmental constraints.

He said, "For an entirely too long period of time, power systems have been in the impossible situation of constructing new facilities and retrofitting existing ones without sufficient knowledge of the environmental requirements which would be imposed on such facilities. This has led, and will lead, to the construction of certain facilities that are unnecessary, obsolete at an early date or incompatible with current and future technology."

Bringman urged that the U.S. Environmental Protection Agency (EPA), Federal Energy Regulatory Commission (FERC) and all other related regulatory agencies be pressed

Federal agencies urged to develop definitive rules, regulations, forecasts and proposals.

for definitive rules, regulations, forecasts and proposals so that concrete conclusions and recommendations can be made to power supply systems in the area of environmentally stable construction and operation.

WIPCO is acquiring a 9.5-percent ownership in the Illinois Power Company (IP) nuclear power station near Clinton.

Lentz called for the federal government to adopt the NRECA policy relating to a national power grid system. He said energy legislation before Congress touches on the

ILLINOIS RURAL ELECTRIC NEWS

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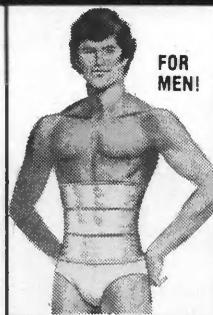
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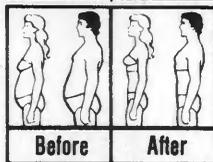
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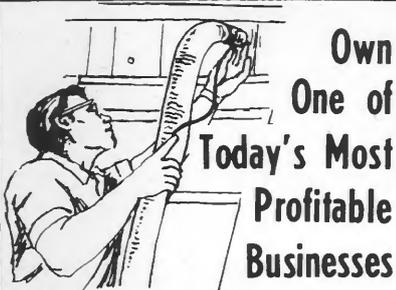
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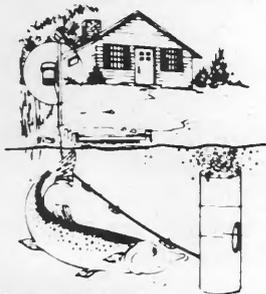
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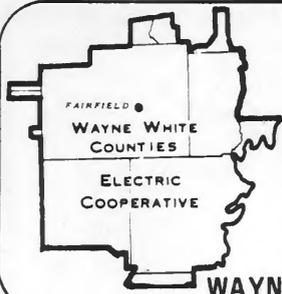
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Wayne-White News

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



Essay Finalists Take Springfield Tour

Ten Wayne-White County area youths, accompanied by their chaperones, left Fairfield early on the morning of April 26 to join other youths from Illinois in the "Illinois Rural Electric Youth Day" activities in Springfield. Ivan Holler, power use adviser, and Vera Beard, secretary-receptionist, served as chaperones.

After a light breakfast at the Forum 30 in Springfield, the youths boarded chartered buses for a tour of the city. They visited the Illinois State Museum, the Capitol Building and legislators' offices, before returning to the Forum 30 for lunch, where they met area legislators and heard a brief speech by Governor James Thompson.

They toured the Lincoln Center area, and a highlight of this year's tour—and a first—was a tour of the Executive mansion. The group returned home about 9 p.m.

Essayists making the tour were: Lisa Ward, Wayne City; Mimi Bullock, Wayne City; Dalelisa Crocker, Keenes; Deedra Hanna, Norris City; Veronica Rains, Norris City; Charles Tarrence, Omaha; Dwain Harrelson, Norris City; Brett Smith, Norris City; John Blasdell, Wayne City and Brad Crews, Mt. Eric.



At top, Wayne-White essay winners await their turn to tour Lincoln's home. Above, this year's tour group was the first to be invited to tour the executive mansion during their trip. This is a view of the mansion and driveway.

Unpaid Bill Collections

In review of the number of consumers moving off our cooperative lines and leaving unpaid bills and in view of the cost of our employees leaving their regular jobs to collect delinquent bills, and since most electricity bills are increasing due to additional usage and higher rates, and since most of our delinquent consumers are the same people month after month, it was decided that it was not fair for the cooperative members who pay their bills on time to subsidize those who do not. After considerable thought, it was decided to increase the trip charge to collect

the delinquent bill from \$5.00 to \$25.00. After the account is paid in full, and another trip would be necessary to reconnect the account, the reconnect trip charge would also be increased from \$5.00 to \$25.00. This may seem to be a rather broad step but when we consider the time spent by employees and truck expense to collect the bills, this is about the actual cost to the cooperative.

Again we point out that we are trying to collect from those responsible for this additional cost and not penalize the consumers who pay their bills on time.

The service deposit was also increased from \$25.00 to \$75.00. This deposit is collected at the time the consumer moves on the cooperative system. This is mandatory only from tenants and mobile home connections. The average bill has increased and we have a number of people moving off our lines each month leaving bills unpaid. The deposit can be used to offset some of the loss in revenue when this happens. If the bills are paid in full, the deposit is returned to the consumer.

This policy was effective June 1, 1978.



Members of the tour group pose on the steps of the capitol building with their chaperones. Pictured are, front row, from left; Brad Crews, Lisa Ward, Dalelisa Crocker and Veronica Rains. Back row: Ivan Holler, chaperone; Charles Tarrence, Deedra Hanna, John Blasdel, Brett Smith, Vera Beard, chaperone, and Mimi Bullock.



Wayne-White finalists emerge from the Lincoln Home, one of the highlights of the day-long tour.

'Youth Day' attracts 185

The record number of young people who participated in this year's "Illinois Rural Electric Youth Day" April 26 visited, among several sites, the Lincoln Home (right) where a long line of high school students representing Illinois electric cooperatives waited for guided tours, and the Governor's Mansion (below), where they toured the State Dining Room, which featured chandeliers and candelabra made of rare Waterford glass.



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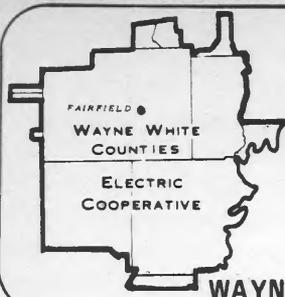
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Wayne-White News

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

Micro-Thin Cable Radiant Heat

An old product with a new application best describes the radiant heat installed with the Ed and Martha Tait home in Edwards County. The Taites were searching for a type of radiant cable that could be used with dry wall application in their new home. What seemed to be the answer was a new micro-thin cable strung between plastic strips at either end of the room.

The standard electric ceiling cable has been on the market for over a quarter of a century and has proven to be one of the best heating systems available. The most popular way of installing cable is with the use of a special staple gun designed for that purpose.

A heat loss calculation is carefully made on each room according to the exposed walls, glass, infiltration, amount of insulation and other factors involved. The cable is then stapled in place on the ceiling with proper spacing that complies with the

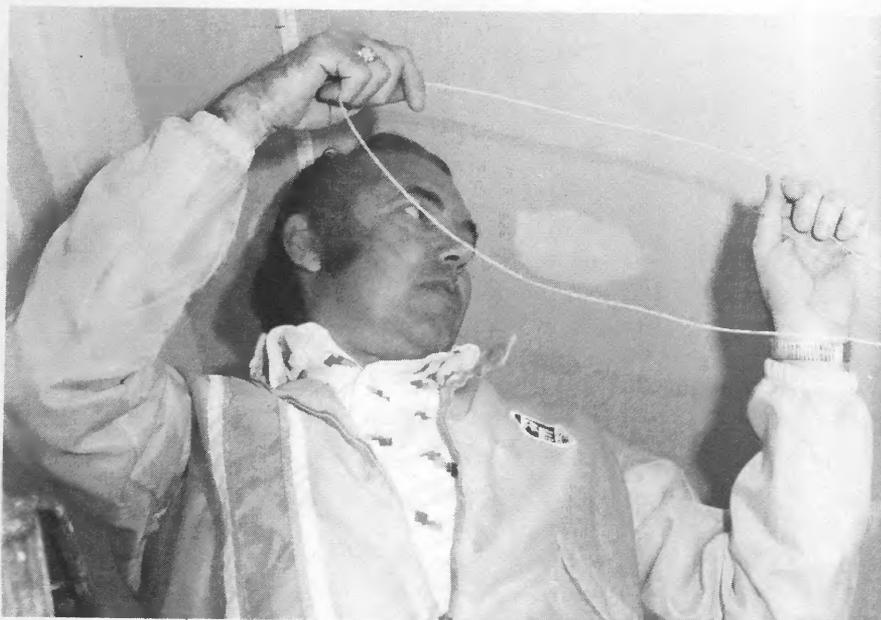
National Electrical Code. The plaster is troweled on the ceiling to make up the heating unit and cover the cable. The finish coat is then applied with texture or smooth finish, according to the desire of the builder.

The heat loss calculation per room is done in the same manner with the use of the micro-thin cable as it is with conventional cable. The main difference is the securing of the cable to the ceiling. Plastic strips designed for this application are stapled or glued to the ceiling at either end of the room. The micro-thin cable is strung from one end of the room to the other. The result is that a thinner coat of plaster or dry wall material can be applied over the cable. A heavier application must be applied over the plastic strips to provide proper covering.

Radiant heat offers many advantages. It is clean and comfortable. It provides an ideal environment by using thermostats in each



Member Service personnel from several cooperatives helped install micro-thin radiant cable heating in the Ed and Martha Tait home near Albion. In the photo above, Helen Metcalf, Home Economist-Steno for Tri-County Electric Cooperative in Mt. Vernon, staples up the plastic strips to which the cable is to be attached. At left, Denver Mullins strings the micro-thin cable.



room. There are no moving parts to wear out or break down.

The surface temperature of the ceiling is low because the heat source is spread out over the entire area of the ceiling and the safety features are outstanding because the cable is buried in a non-combustible material.

The micro-thin heat cable was installed in the Tait's home by a number of power use and member service personnel from some of the rural electric cooperatives in southern Illinois. Helping on this project were Betty Walker, Clay Electric Cooperative; John Kober, Egyptian Electric Cooperative; Thomas Williams and Larry Lovell, Southern Illinois Electric; Andy Bird, Helen Metcalf and Denver Mullins, Tri-County Electric; and Ivan Holler, Wayne White Counties Electric Cooperative. Phone 842-2196 and ask for Ivan Holler, your power use adviser. We will be happy to share our experience with you.

At right, Ivan Holler (on ladder) Wayne-White power use adviser, and Denver Mullins wire a thermostat. Below, Holler shows a strip of plastic to Ed and Martha Tait. In the photo at lower right, Andy Bird, Member Service Director for Tri-County, crimps a connection.



Business is the berries

The wiry, suntanned man strolls through the strawberry patch, puffing on a pipe and visiting with the pickers. "How're you doin'?" he asks one, who turns a slightly sunburned face up to reply. "Not too bad, not too good. This isn't a good year for berries, like last year was. It's a little spotty, but we're gettin' some good ones anyway."

Lloyd Sanders, the pipe smoker, indicates a row that is liberally peppered with ripe berries. "Try over here," he suggests, "it looks real good."

Sanders and his wife operate a small

pick-them-yourself strawberry farm northwest of Berryville, in Norris Electric Cooperative's territory. The picker, in this instance, was Steve Rudolphi, who, along with his mother, Helen, and sisters Ann and Mary Sue, had driven some 25 miles to pick berries. They live near Olney, and are but one of many families who drive miles to pick berries at the farm. Many come from Indiana and much of southern Illinois, Sanders remarks. At times, there have been upwards of 800 people picking.

Sanders got into the strawberry business somewhat by accident. For

several years, he farmed and worked for the Richland County schools, then he had to retire for health reasons. Since they had a strawberry garden for their own use and it was a good producer, it seemed logical to expand the patch into a commercial venture, with the consumer doing the work at harvest time.

Still, the Sanderses do plenty of work on the five acres now planted. It takes about ten months of work a year to keep the patch in good condition and the farm is, again, almost a full-time job. Sanders straws the plants in the fall, removes some of the straw in the spring, and spends some of his time resetting plants.

"I use gray geese to keep the weeds out of the berry plants," Sanders says, "and a good goose will do as much work as two people. I take the geese out of the patch early in the spring, before the berries set on the plants. I don't use any chemical sprays or anything like that to control the weeds." (Earlier in the spring, Leroy Wakefield of Norris Electric Cooperative had a chance to see the geese in action when he visited the Sanders place to develop a story for the June issue of Norris Electric News.)

The harvest starts about the last of May or early in June, and lasts about 20 days, but it's not like it was just a few years ago, Sanders says. Then, he had 10 acres in berries, and the quarter-mile driveway was lined with cars parked by pickers going through the fields. "But it just got to be too much for me," he says, "and I've let it get down to about five acres now. It's a lot easier to take care of."

Strawberries take a lot of babying, and Sanders goes through his field often. In the photo at left, he examines some ripening berries. He keeps the field weed-free with geese, which are taken out to the field before the berries set on the plants.





Dean Searls



Elwood Olver

Adams' Searls receives ASAE Kable Award

Dean L. Searls, Manager, Adams Electrical Co-Operative, Camp Point, has received the 1978 George W. Kable Electrification Award. The award recognizes agriculture engineers for personal and professional contributions in applying electrical energy to the advancement of agriculture through agricultural engineering.

The award was presented by the American Society of Agricultural Engineers (ASAE) during the Society's summer meeting at Utah State University, Logan.

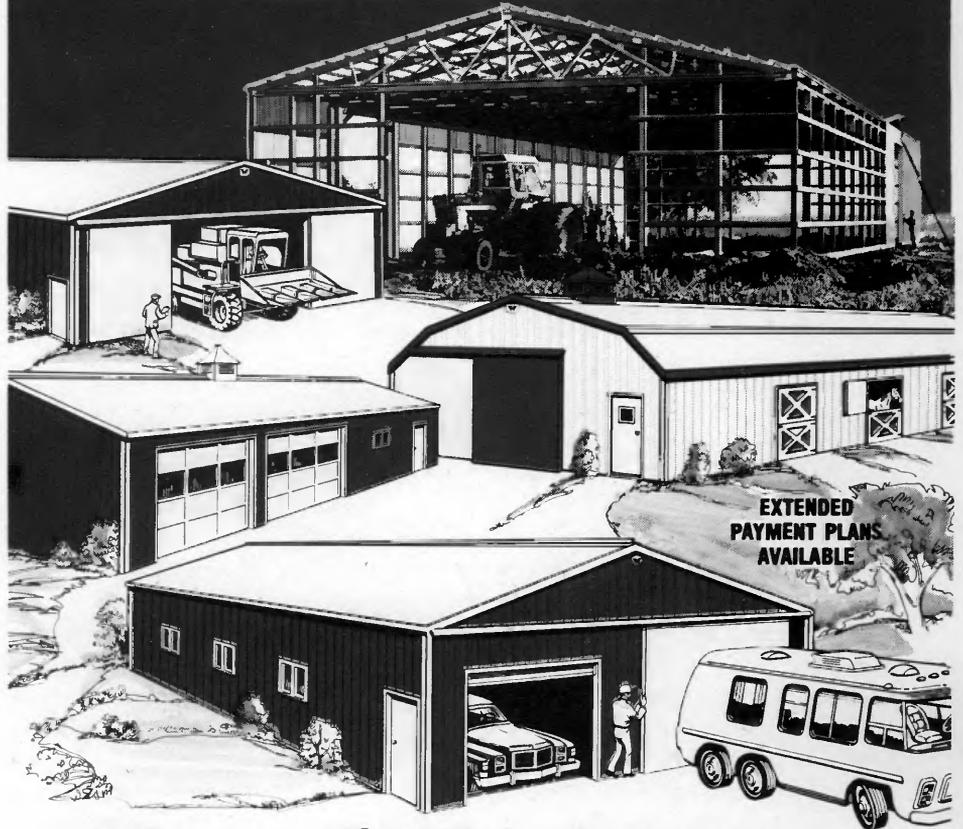
The Kable Award is sponsored by the Food and Energy Council (FEC) and by "Electricity on the Farm" magazine. It is presented annually in honor of George Kable, the magazine's editor from 1937 to 1950.

Searls has worked in the rural electrification field for 39 years, serving for the past 35 as manager of Adams. He is president of the board of the Illinois Farm Electrification Council. In 1973, he was elected to the board of directors of the national Food and Energy Council.

Another Illinoisan, Elwood F. (Woody) Olver, professor and head of the agricultural engineering processing division, University of Illinois, was elected an ASAE Fellow. Fellows are elected annually by ASAE's board and are chosen for their unusual professional distinction and extraordinary qualifications.

Olver is executive secretary of the Illinois Farm Electrification Council.

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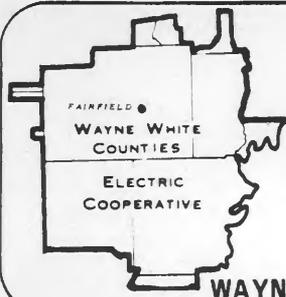
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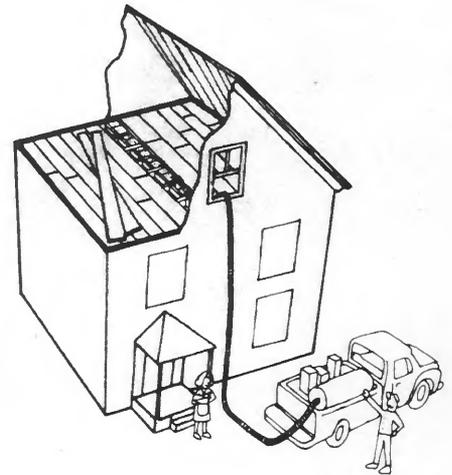
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Wayne-White News

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

Be Prepared For The Months Ahead



It'll happen again. . . you can count on it. This coming winter, temperatures will drop to zero and below and your heating bills will hit your budget hard.

You've got to add heat in your home and energy is (\$) high. . so why not prepare for the months ahead.

Last winter's cold temperatures convinced a lot of us to insulate our homes. If you haven't done it by now, don't wait until the snow falls.

Ten years ago we were busy convincing homeowners and contractors to get R 19 in the ceiling, R 11 in the walls and R 7 in the floor. Many houses built at that time were underinsulated; owners thought that building paper and air space was sufficient. Today many houses are built with the recommendations of 10 years ago. Compare this to our recommended standards for today and we find those houses are underinsulated and our battles continue as we try to encourage builders to increase insulation to R 30 in the ceiling and R 19 in the walls and floors.

There are many ways to cut home heating costs but nothing you can do comes close to the savings you can realize by installing proper insulation.

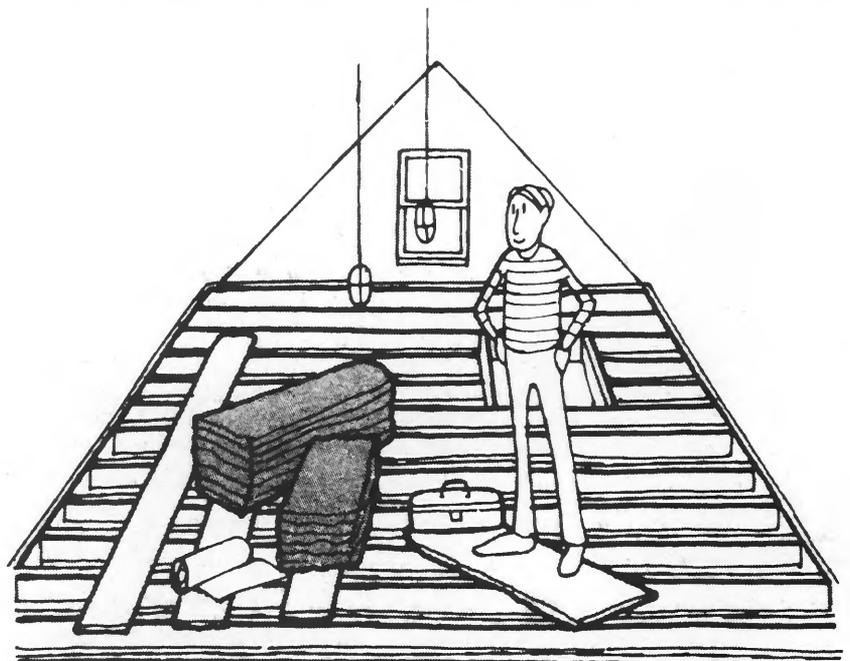
Before you insulate, you should

know something about the kinds of insulation. Furthermore, unless you are doing the work yourself, you need to know what to look for when hiring a contractor to do the job.

Talk in terms of "R" values; an "R" value is a number indicating how much resistance insulation presents to heat flow through it. Generally, the higher the "R" the more effective the insulation. Consumers should pay more only for a higher "R" value. If a

contractor won't deal with you in "R" value language, don't deal with him. Make certain that any insulation used is fire resistant and contains an Underwriters Laboratory (U.L.) label.

There are other tips for your particular needs. Everyone cannot be familiar with all aspects of home insulation, therefore, we suggest you call your Power Use Department of your Wayne-White Electric Cooperative before you close the deal.



Capital Credit Checks

In previous issues of the Wayne-White News we have listed names of members who were served electrical power during the 1956 year and we were unable to locate many of these people because of address changes or other factors. Capital Credit checks were issued, based on the electrical energy used, and many were returned by the post office. You were very helpful in providing information that enabled us to locate many of these members or their heirs.

This month the list of names continues. Again, we solicit your help in providing addresses of these members or their heirs:

Loyd Fisher, Ellery
Maude Fisher, Ellery
Callie Crews Fitch, Mt. Erie
Gene Fitch, Noble
John Fitch, Ellery
Paul Fitch, Flora
Bessie Fitzgerald, E. Peoria
Cecil Flanigan, Keenes
Estel Flatt, Omaha
Fred F. Fleeharty, Fairfield
Anna Fleming, Enfield

Luke Fleming, Fairfield
Sylvia R. Fletchall, Sycamore
Hester Flinn, Henderson, Nev.
Carl Foley, Crossville
Otis Foley, Benton, Ky.
Mrs. Harry Ford, New Haven
Clarissa Fore, Noble
Jesse Fortner, Crossville
Robert Fortner, Ellery
Carrol B. Fout, Elgin
W. M. Fowler, Barnhill
George Frank, McLeansboro
John Frashier, Carmi
Frazier Heirs, Carmi
Amanda Frazier, Cisne
Dean Frazier, Mt. Vernon
E. C. Frazier, Fairfield
Lindley H. French, Carmi
Leland Frey, McLeansboro
Leo Frey, Decatur
Mrs. Mary Friel, McLeansboro
Earl Friend, Fairfleid
Lanna Fritchley, Parkersburg
Harvey Fryman, Noble
Gerald Fugate, St. Louis, Mo.
John Fulford, Springerton
Carl Fulkerson, Crossville
Chester Fulz, Fairfield

Ernest Gaddy, Fairfield
M. M. Galbraith, Flora
Noel Galbraith, Sims
Carl Gammon, Fluford
Ira Gammon, Carmi
Victor Ganieany, Geff
Frederick Ganong, Fairfield
Phena Garman, Albion
Clifton Garrett, Fairfield
Doris Garrett, Decatur
Howard Garrett, Crossville
Roy Garrett, Geff
George Garrison, Chandler, Ind.
John D. Garrison, Fairfield
Ralph C. Garrison, Carmi
Ronald Garrison, Carmi
L. E. Gash, Fairfield
Mamie Gash, Bourbonnias
Dovel Gaston, Fairfield
Howard Gaston, Cisne
Tille Gausman, New York, N.Y.
Lucile Patterson Gay, McLeansboro
General American Oil Co., Fairfield
W. E. Gentry, Carmi
Zella Gentry, Altonna, Fla.
Lester Gerber, Olney
Anton Gerdanc, Fairfield
Vincent Gerdis, Boynton Beach, Fla.
Archie Gibbs, Crossville
Lizzie Gibson, Mt. Erie
William Gill, Ellery
Raymond Gill, Ellery
Gillian Oil Co., Evansville, Ind.
Frank Gillihan, Carmi
Effie Gilligan, Bluford
Ernest Glenn Given, Tylertown, Miss.
Ervin Given, Coolidge, Ariz.
Fred Glenn, Dahlgren
Ida Glenn, McLeansboro
Wm. H. Glover, Clay City
W. H. Gloyd, Rinard
Emory Goin, McLeansboro
Bessie Bayne Goldman, Ottawa
Clarence Goodman, Enfield
Edwin Goodwin, Chicago
James Graham, Bone Gap
Wm. Graham, Parkersburg
A. C. Grant, Carmi
Amos Gray, Fairfield
E. A. Green, Fairfield
L. E. Gregory, Bloomington
Robert Gregory, Bluford
Wretha Grey, Mt. Vernon
Hadley Griffith, McLeansboro
J. D. Griffith, Crossville
Samuel Griffith, Evansville, Ind.
Marie Grizzle, Plant City, Fla.
Arthur Groff, Parkersburg
Gunter School Dist. 1, McLeansboro
James Gwaltney, McLeansboro

Attention Farmers!

Grain Dryer Installations

If you are planning to install grain drying equipment for this fall's harvest, please notify your cooperative office as quickly as possible. Our work crews are covered up with summer construction and maintenance and your chances of getting your grain dryer connection would be much better if you contact us early.

Again, we urge you to contact us before purchasing equipment with

three-phase motors. Three-phase service may not be available at your location, and, if it is, you should survey the cost of the change over from single phase to three phase before making a decision. We encourage you to check with us on the rate schedule, also. It's better to know in advance what is available and what the costs are going to be.

Cost to Operate Appliances

Want to know how much it costs to operate your appliances?

It's not hard to make an estimate of the cost of operation of individual appliances, especially if you know the wattage. Many small appliances such as heaters, grills, waffle irons, fry pans, toasters and others have wattage listed

on the appliance. Multiply the wattage times the hours used for a month, divide by 1000, then multiply this number by the rate (approximately four cents). This equals the operating cost of the appliance for the month.

Pick an example and use this formula.



The water intake is a key element in the water delivery system of the fireboat. Duncan, left, watches as Thompson checks for obstructions, while Behling, in the yellow outfit, looks on.

First by land; now by water

(continued from page 6)

hoses can be moved from the boat to a four-wheel-drive vehicle. Such capability is especially useful in the winter, in case the boat is frozen in place at the dock.

Seper and Thompson, as are all the residents along the lake, are members of Southeastern Illinois Electric Cooperative, headquartered in Eldorado. Southeastern receives electric power from the SIPC plant.

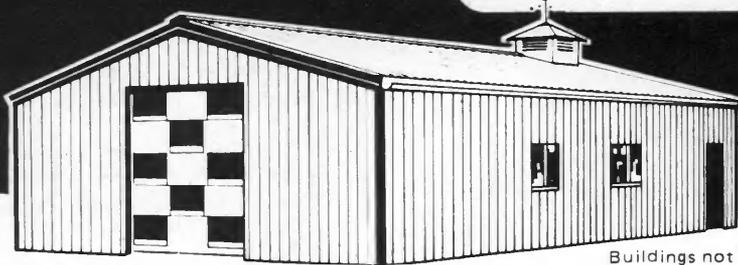
Thompson is past president of the Lake of Egypt Property Owners Association. John Ford is the current president.

The volunteer fire department draws its primary support from the property owners association, Thompson points out. The association contributes half of each member's \$10 annual dues to the fire department. This contribution, along with money raised by the ladies auxiliary of the fire department, provides the funds necessary for the department to obtain matching federal assistance. About 17 men are active in the department at the present time, three years after its start. Henry Basco, acting chief when Seper was out of state this summer, says they need about 24 to adequately cover the lake. (One truck is located at Pharaoh's Gardens area on the lake, and the other at Eagle Point Bay.) "We need more volunteers," Basco says.

Communication is a key element in making the fire department effective. Thompson explains that all locations on the lake are assigned a location code. Calls for assistance go straight into the Marion Fire Department, then the message is relayed back to the volunteers by paging devices. Ten firemen carry the paging units. A return call to Marion pinpoints the fire location.

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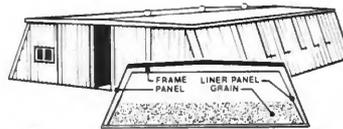
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(Continued from page 9.)

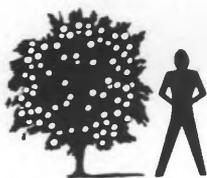
megawatts (mw) of power from the Clinton station in 1982, another 100 mw in 1986 from a joint coal-fired venture and completion of Soyland's own plant in 1987.

Following the officers' reports, 30 persons were elected to represent the 15 cooperatives of Soyland's board of Directors. Chosen were: Stanley N. Huffman, Flora, and William L. Stanford, Flora, Clay Electric Co-operative; Robert W. Vander Pluym, Breese, and Irvin W. Wessel, Centralia, Clinton County Electric Cooperative; William D. Champion, Gays, and C. E. Ferguson, Mattoon, Coles-Moultrie Electric Cooperative; G. V. Beer, Bloomington, and Frank L. Simpson, Farmer City, Corn Belt Electric Cooperative; G. N. Hodge, Milford, and Dennis L. Tachick, Paxton, Eastern Illinois Power Cooperative; Maurice Johnson, Paris, and Byron G. McCoy, Paris, Edgar Electric Co-operative Association; Edgar G. Arnn, Geneseo, and Paul Mallinson, Geneseo, Farmers Mutual Electric Company; James F. Beatty, Philo, and Walter R. Smith, Champaign, Illini Electric Cooperative; Roy E. Horton, Princeton, and M. M. Jontz, Princeton, Illinois Valley Electric Cooperative; Robert E. Pendell, Macomb, and Lyndall Pigg, Bushnell, McDonough Power Cooperative; Joseph Fellin, Waterloo, and Preston Mosbacher, Prairie du Rocher, Monroe County Electric Co-operative; L. Eugene Boldt, Stewardson, and William E. LeCrone, Shelbyville, Shelby Electric Cooperative; Jack A. Compton, Greenville, and Donald F. Sanders, Ramsey, Southwestern Electric Cooperative; D. E. Hanes, Mt. Vernon, and Allen Sisk, Mt. Vernon, Tri-County Electric Cooperative; and Bill Endicott, Fairfield, and Evans C. Williams, McLeansboro, Wayne-White Counties Electric Cooperative.

During the board's reorganization meeting, Smith was reelected president; Compton, vice president; Tachick, secretary-treasurer, and Champion, assistant secretary-treasurer.

SEPTEMBER 1978

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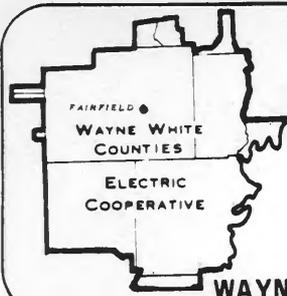
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Wayne-White News

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

What is Wholesale Power Cost Adjustment?

As our electric bills get higher each month, we have several inquiries as to what is the wholesale power cost adjustment.

Wayne-White Counties Electric Cooperative purchases all of the electricity that it delivers to you from Central Illinois Public Service Company. At the time your cooperative signed a contract with CIPS, we agreed to a specific charge for each of the kilowatt-hours. But in the contract there is a clause stipulating that when the cost of fuel or any other operating expense exceeds a certain amount to produce a kilowatt-hour, an adjustment for this additional cost would be added to our wholesale rate.

Since inflation is sweeping across our country, the cost of producing electricity is like practically all consumer goods; it has skyrocketed, with most of this cost being in the price that a supplier of electricity has to pay for coal to produce electricity.

We might compare wholesale power cost to the sales tax that you pay on something that you purchase. The merchant collects this tax and then passes it on to the Department of Revenue. He receives none of this tax for his use. This is also true with your cooperative. It only collects the wholesale power cost adjustment from you and passes it on to our power supplier.

Your cooperative has not increased the rate it charges for electricity since 1974. In other words, we are not receiving additional revenue per kilowatt-hour sold, even though inflation has hit us hard since this rate went into effect in 1974.

The wholesale power adjustment really skyrocketed in the Spring of 1978. This was due to high-priced western coal that our power supplier had to buy during the coal strike last winter. CIPS is spreading this cost over a 13-month period, so we should see some relief in the wholesale power

cost adjustment sometime around June 1, 1979.

The board of directors and management are concerned with the high cost that we must pay for the use of electricity and are taking every step available to hold this cost to a minimum. We appreciate your questions and comments on these items and we have taken your problem to our Congressmen, as we are concerned where inflation is leading us. We were told by our Congressmen that America is experiencing an energy crisis and that conservation in the use of energy is a must. We were also told that the present Administration's policy on conservation of energy is through increasing the price to where the consumer must conserve. As you can see, the cooperative has no control when agencies of our federal government are adding additional costs for producing the energy that we Americans use.

CAPITAL CREDIT CHECKS

The following is a continuation of the list of names we printed in the August issue of the *Illinois Rural Electric News*. Please look the list over; if you recognize any of these names and have information concerning where they are, please let us know. These people have capital credit checks issued December 1, 1977. It is a pro rata share based on the electrical energy used during the year 1956.

Jasper Gwaltney, Enfield
Rozella Gwaltney, Lincoln

Clarence Haegele, Barnhill
Leonard Hale, Norris City
Lewis Hale, New Haven
Allen & Dora Hall, Noble
Robert Hall, Cisne
Simpson Hall, Bone Gap
William Elmer Hall, Carmi
Dorothy Hallam, Fairfield
Ivan Halley, McLeansboro
John Hamby, Cisne
Emily Hamilton, McLeansboro
J. A. Hamilton, Belleville
John Handley, Carmi
Wiley Hands, Dahlgren
Pearl Haney, Bourbonnais

W. G. Haney, Bluford
Mary E. Hanner, Fairfield
Kenneth Hardesty, McLeansboro
M. H. Hardin, Carmi
Thomas Hardwick, Fairfield
Tom Harl, Fairfield
Henry Harre, McLeansboro
Burl Harrell, Sr., Rinard
Edna Harris, West Salem
Fred Harris, Ellery
John E. Harris, Indianapolis, IN
Ralph Harris, Fairfield
Onie Harrison, West Salem
R. C. Harrison, Fairfield
J. H. Hart, McLeansboro

ILLINOIS RURAL ELECTRIC NEWS

We need your help

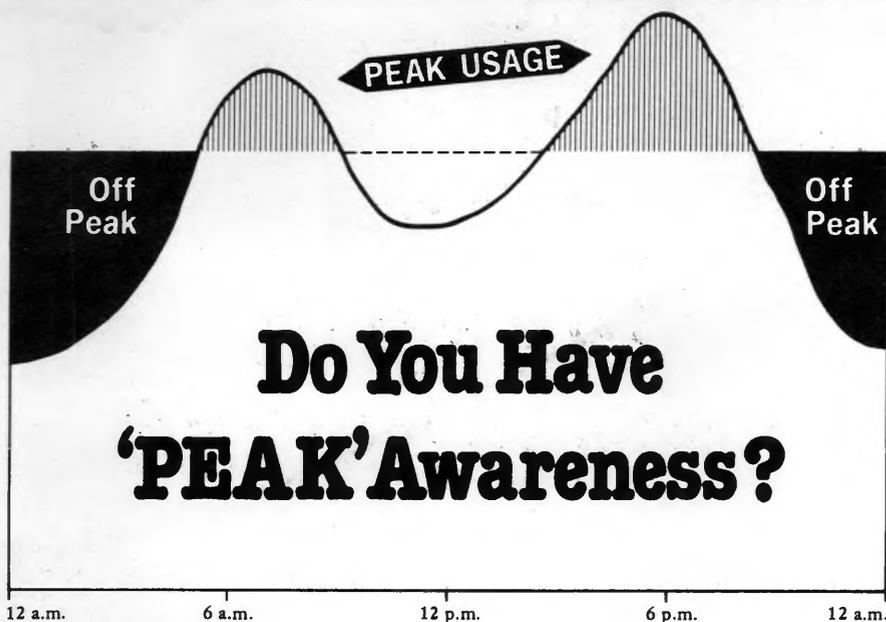
The Wayne-White Counties Electric Cooperative was incorporated to serve the rural areas with electric energy that no one else would provide. The cooperative is owned and operated by its members. Today, inflation is hitting the cooperative in every area, as it is your household, and your board of directors and management of the cooperative are trying very hard to keep the cost of operating the cooperative down as low as possible.

When a consumer pays his membership and signs up for electricity, in his membership application he agrees to abide by the by-laws adopted by the membership of the cooperative. One of the stipulations in the by-laws is that the member will read his meter on the first of each month and provide this to the cooperative for preparing his electric bill the first of the following month.

Many of our members are getting lax in reading their meters. When they do not read their meters, it is necessary that the cooperative send its employees out to read that meter, taking them away from their regular jobs and delaying them from providing other services that are the everyday functions of the cooperative.

Having to read the meters of those consumers who do not read them is getting to be a considerable expense for the cooperative. We ask for your cooperation in reading your meter each month. If the consumers do not provide the cooperative with these readings, it will probably become necessary for the board of directors to add a meter-reading fee for those meters that the cooperative must read each month.

We are asking your cooperation and help to reduce our operating costs by providing us with meter readings each month.



Energy Conservation Doesn't Mean to Stop

If consumers use more electricity than power suppliers can provide, you have a problem. Anytime the demand exceeds the supply, you have a problem. Electricity is one form of energy that cannot be stored. It is generated the very moment you are using it. Oil and gasoline can be stored in tanks—coal can be stockpiled—water can be reserved in lakes and rivers—but electricity must be used the moment it is generated.

With this in mind, a simple answer is: cut down on usage or shift that usage to an off-peak time of day. Generation capacity must be large enough to supply power during the period of time when combined loads are highest. If some electrical loads are discontinued during that period of time, such as laundry, water heating, air conditioning, etc., and continued during the times the overall loads were

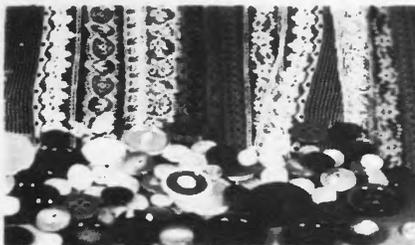
lighter, this would be a significant form of energy conservation without lowering your standard of living or doing without.

You might ask the question: when do we peak and how will I know when to conserve? This is a good question because your cooperative's system has 19 substations, all peaking at different times. Also, different seasons will bring different types of loads, causing the system to peak at different times. Generally, the peak load time will run between 5 p.m. and 8 p.m. If you keep this in mind and consider the loads you can control and move them to a different time, before 5 p.m. or after 8 p.m., this will not only be beneficial to your cooperative but will eventually be a saving to pass on to you.

Efficient use of electricity is energy conservation—use energy wisely.

J. O. Hart, McLeansboro
J. Vinson Hart, McLeansboro
Lena Hart, Fairfield
Evelyn Harter, Flora
Fred Harter, Flora
Leroy Hartwell, Norris City
Jean Harvey, Charlotte, NC
Denny Hassakis, Dahlgren
Robert Haus, Mill Shoals

William Hawbecker, Calhoun
Robert Hawkins, Carmi
C. L. Hayes, Olney
Clarence Hayes, Carmi
Ernest Hayes, Carmi
Harry S. Haynes, Harrisburg
Wesley Head, Carmi
Fonny Headlee, Fairfield
John Heaton, Rantoul



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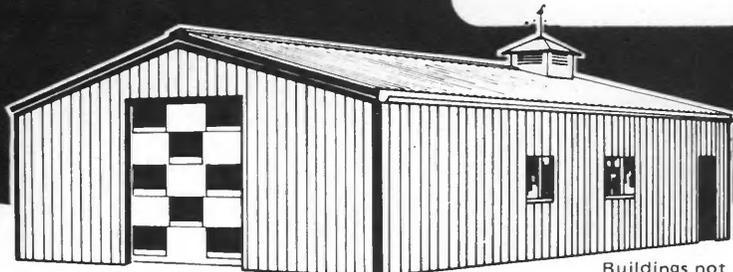
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ILLINOIS RURAL ELECTRIC NEWS



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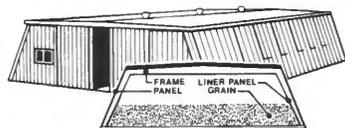
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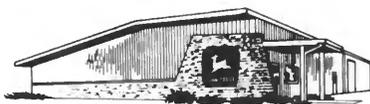


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Neutralizes All The Calories In The Food You Eat!

Meaning: After Each Time You Eat, Your Body Breaks Down Bulging Fat and Burns It Away — So You Grow Slimmer and Slimmer From Meal to Meal. (up to a full size smaller in just 5 days) . . . as you melt away both fluid and fat at the incredible rate of as much as

2 POUNDS GONE THE FIRST 24 HOURS
6 POUNDS GONE THE FIRST 48 HOURS
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and depending on how overweight you are — how much you want to lose — and how fast you want to lose it . . .

BURN AWAY UP TO ANOTHER 30 — 40 — 50 POUNDS, OR EVEN MORE!
URNS EVERY LAST BIT OF THE FOOD YOU EAT INTO BURNED-AWAY ENERGY INSTEAD OF STORED-UP FAT!

Medical science has proven conclusively that in your body there exists a fat-burning system of natural chemical fat-destroyers so powerful, they are capable of NEUTRALIZING THE EFFECT OF ALL THE CALORIES IN THE FOOD YOU EAT. That once you discover how to unleash these fat-destroyer chemicals against clinging pockets of fat — you can actually compel your body to GROW SLIMMER, INSTEAD OF FATTER, AFTER EACH MEAL YOU EAT!

WORKS SO FAST — THE VERY FIRST WEEK ALONE
YOU LOSE AN AVERAGE OF UP TO 1½ POUNDS
OF FLUID AND FAT EVERY 24 HOURS!

Now from one of America's leading obesity specialists comes a thrilling crash-burn way to slimmness . . . that does away with all the torture of rigorous diet ONCE AND FOR ALL — ends brutal exercise FOREVER!

What this doctor has done is simply this: Found a surefire way for you to gently raise the level of your fat-burning metabolism . . . step up the flow of your body's own natural fat-burners . . . so that every time you eat — your system automatically NEUTRALIZES THE EFFECT OF ALL THE CALORIES IN THE FOOD YOU TAKE IN — AND YOUR BODY MELTS AWAY FAT LIKE HOT WATER MELTS DOWN ICE!

Yes, with this doctor's thrilling ANTI-CALORIE PROGRAM and capsule, you "rev up" your inner furnace — you neutralize all the calories coming in — so not one ounce of the food you eat can possibly turn to fat.

ACTUALLY SHRINKS YOUR BODY'S FAT CELLS
STARTING IN JUST HOURS!

Yes, based on published reports from professors at leading medical schools . . . PLUS experimental fat-burning studies on U.S. Army officers, West Point Cadets and independent research tests . . . with the food you eat on this doctor's CAPSULE PROGRAM — your body automatically neutralizes the effect of all the calories you take in — automatically forces pounds and inches to vanish so FAST, that before you hardly know it, you

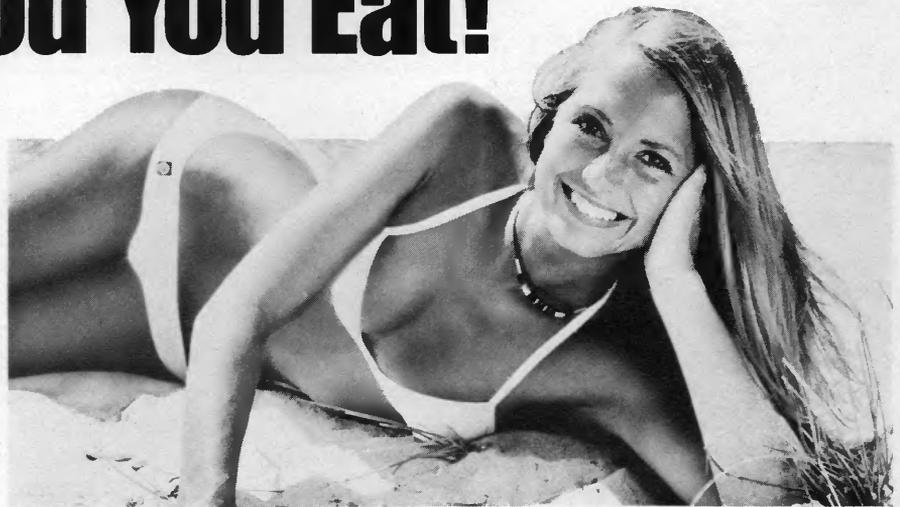
LOSE UP TO 4 TO 6 INCHES OFF YOUR WAISTLINE
LOSE UP TO 2 TO 5 INCHES OFF YOUR HIPS
LOSE UP TO 3 INCHES OFF YOUR THIGHS
LOSE UP TO 4 INCHES OFF YOUR BUTTDOCKS
LOSE UP TO 4 INCHES OFF YOUR STOMACH

as you start to win the physique of a naturally skinny person — those types who never seem to gain an ounce!

YOUR TUMMY FEELS LIKE YOU FEASTED, BUT YOUR WAISTLINE
LOOKS LIKE YOU FASTED!

Just to give you an idea of how fast this thrilling anti-fat weapon burns away excess fat and inches . . . according to California University Medical School research on energy burn-off you can actually melt away more fat each 24 hours than if you ran 10 to 14 miles a day! — Lose more pounds each week than if you did 300 sit-ups each morning and 300 push-ups each night! LOSE as much as a FULL SIZE THE FIRST 5 DAYS ALONE

VITAL NOTICE: Before starting this program, consult with your physician to be sure you are in normal health and your only problem is excess weight. Individuals with high blood pressure, heart disease, diabetes, or thyroid disease should use only as directed by a family physician and see if he doesn't agree that this Lifetime Road to Slimness including the few minutes of nightly toneup the doctor highly recommends is by far one of the most medically sound, fully sensible approaches to the problem of excess weight!



BEST OF ALL — YOU STAY SLIM FOR GOOD! BECAUSE AT LONG LAST, YOU HAVE IN YOUR HANDS A LIFETIME WEAPON TO DEFEND YOURSELF AGAINST FAT BUILD-UP!

Yes, when you arm yourself with this thrilling ANTI-CALORIE CRASH-BURN PROGRAM and doctor's capsule . . . you actually fortify yourself with the only thing you'll ever need for LIFETIME PROTECTION against excessive fat build-up. That's because, medical science now offers you a proven way to neutralize all the calories in the food you eat — gently step up your metabolism . . . stimulate and "target" your body's "fat-burner" chemicals to attack clinging pockets of fat, so you burn away excess flab meal to meal these 3 medically proven ways:

ONE — BECAUSE YOU CONSTANLY NEUTRALIZE THE EFFECT OF THE CALORIES IN THE FOOD YOU EAT, YOU BURN AWAY STORED-UP FAT AND CONTINUE TO GROW SLIMMER AND SLIMMER FROM MEAL TO MEAL! Yes, when you launch yourself on this doctor's calorie-deficit crash-burn program you gently step up your inner furnace! So when food enters your body, instead of being stored as fat, it is AUTOMATICALLY converted to burned-away energy.

TWO — YOU GRAUALLY ACCELERATE YOUR FAT-BURNING METABOLISM by greater caloric burn-off than intake. Meaning your body, without you even feeling it, unleashes a steady surge of fat-burner chemicals directly into your system to attack stored-up fat — automatically breaks down — converts it into fluid — that drains right out of your body!

Just like a furnace grows hotter and hotter the more you stoke it — so your own body burns away fat faster and faster the more you step up your fat-burning metabolism.

THREE — YOU COMPLETELY DEFEAT THE GREATEST SINGLE CAUSE OF FAT BUILD-UP, runaway appetite and overeating. Because the moment you take this doctor's CAPSULE, ravenous hunger disappears. Gnawing appetite is switched off — you lose your craving for food for hours at a time.

More significant . . . when you do eat on this Doctor's CRASH-LOSS diet and Lifetime-Slim maintenance program, since your body completely NEUTRALIZES THE FAT-BUILDING EFFECT OF ALL THE CALORIES IN THE FOOD YOU EAT, excess fat simply cannot form . . . stored-up body fat burned off and melted away by the hour — and you continue to grow slimmer instead of fatter after each meal you eat!

DOCTOR ADVISES: USE THIS CRASH-BURN PROGRAM ONLY WHILE YOU'RE OVERWEIGHT . . . OTHERWISE YOU MIGHT GROW TOO THIN!

Of course, there is one thing you must keep in mind. You cannot use this CAPSULE CRASH-BURN PROGRAM indefinitely otherwise, you might become overly thin.

Also, as long as you are on this ANTI-CALORIE Program you cannot stuff and gorge yourself silly on over-rich, high-fat foods. There is a reasonable limit on just how fast medical science can help you safely burn away fat: BUT — and here's the very heart of this wondrous development: Because this thrilling ANTI-CALORIE concept not only helps you neutralize the effect of the calories in all the food you eat . . . but ALSO puts gnawing appetite to sleep . . . you simply lose that driving urge, that maddening craze to make fattening food the very center of your existence . . . thanks to this medically proven formula that contains the most powerful reducing aid ever approved for release to the public, without a prescription, by the United States Government!

Now just think what this great ANTI-FAT weapon means to you, if all your life you've had to fight off excess pounds, battle away inches?

WHY "KILL" YOURSELF WITH BRUTAL DIET OR TORTUROUS EXERCISE? NOW — YOU CAN ENJOY A LIFETIME OF SLIMNESS WITHOUT RAVENOUS HUNGER!

It means that from this day on . . . you simply start the ALL-OUT ASSAULT ON FAT by taking these medically proven CAPSULES . . . called "Thera-Thin", before eating . . . as part of this incredible "CRASH-BURN" PROGRAM . . . to help you NEUTRALIZE ALL THE CALORIES IN THE FOOD YOU EAT! You gently raise the level of your fat-burning metabolism . . . "rev up" that inner furnace . . . unlock and activate the natural chemical fat-burners nature has placed in your body . . . and BURN AWAY FAT, MELT AWAY INCHES as you start to grow slimmer and slimmer from meal to meal!

REMEMBER: You must see dramatic results in just 24 hours — results you can see on your scale with your own very own eyes, the very first morning . . . yes, you must:

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LOSE up to 7 lbs. more the next 7 days

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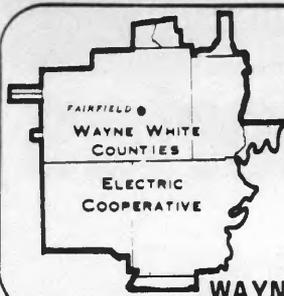
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Div. of American Consumer, Inc.



Wayne-White News

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

An energy-wise buyer

Realizing that we consumers are moving from an energy "care-less" lifestyle to an energy "care-ful" one, it's to our advantage to be as well-informed as possible before we enter the appliance marketplace. Appliances use electric energy, which must be paid for.

In the past, appliance purchases were based primarily on family need or desire and what our budgets could afford. With these in mind we then shopped for size, features, service, and warranty. While we knew it would cost us to operate the appliance, we didn't worry much about that.

But things have changed, and the energy requirements—availability and cost—have become high-priority considerations when purchasing appliances.

Smart consumers today consider the life-cycle cost of major appliances, just as they do of an automobile. The life-cycle cost of a product is the total amount spent for and on a product during its usable life. This includes the initial purchase price; installation, maintenance, and service charges; and energy cost; less any trade-in value.

The Association of Home Appliance Manufacturers has furnished some examples of life-cycle costs from a recent study made at the Massachusetts Institute of Technology. Here are a couple of these examples:

A color TV with a life expectancy of 10 years. Fifty-three percent of the life-cycle cost is the purchase price, 12 percent is energy, and 35 percent is service.

A refrigerator with a life expectancy of 14 years. Over the life of the appliance, the purchase price accounts for 36 percent of the total cost; energy, 58 percent; and service, six percent.

There's a great difference between the energy costs of these two items because the TV is "on" only at times selected by the owner while the refrigerator is "on" constantly. With the energy cost being the major expense of the refrigerator, it makes good sense to purchase the most energy-efficient refrigerator you can find.

How can you determine the energy efficiency of an appliance and relate it to your cost of electric power?

Look for an energy-efficiency label on appliances when you shop. The appliance industry, through AHAM, its national association, has already established guidelines for two major appliances—air conditioners and refrigerator-freezers. By 1980, all appliances, with the possible exception of those which use less than 100 kilowatt-hours per year, will have an energy-use rating of

some type attached to them at point-of-sale.

Currently, air conditioners have "EER rating labels." The EER is the Energy-Efficiency Ratio of the appliance which has been determined by dividing the BTU-per-hour output of the unit by the electrical input in watts. The higher the EER number, the more efficiently the unit will operate. By checking for EER numbers at point of purchase you can readily compare the relative efficiency of different brands of air conditioners.

HOW TO ESTIMATE LIFE CYCLE ENERGY COSTS

APPLIANCE	AVERAGE WATTAGE	ESTIMATED KWH USE PER YEAR	LIFE EXPECT. ANCY	PRESENT AVG. COST PER KWH	ESTIMATED LIFE CYCLE ENERGY COSTS
Freezer, 15 cubic foot	341	1,195	20 years	.05¢	\$1,195.00 for 20 years
Frostless, 15 cubic foot	440	1,761	"	.05¢	\$1,661.00 for 20 years
Refrigerator 12 cubic foot	241	728	15 years		
Frostless, 12 cubic foot	321	1,217	"		
Electric Range with oven	12,200	1,175	12 years		
Electric Range w/self-cleaning oven	12,200	1,205	"		
Dishwasher	1,200	363	11 years		
Automatic washer	512	103	11 years		
Electric clothes dryer	4,856	993	14 years		
Color TV (tube)	300	660	12 years		
Color TV (solid state)	200	440	12 years		
	160	350	11 years		
B/W TV (solid state)	55	120	11 years		
A/C (room)	860	860	12 years		
Water heater	2,475	4,811	10 years		

To use the chart, insert your average cost per KWH in column 4. Then multiply the KWH use by the number of years times the average KWH cost. This will give you a good idea of what it would cost you to operate an appliance with this wattage during its life cycle. Reference material: Electrical Energy Association and U.S. Department of Agriculture.

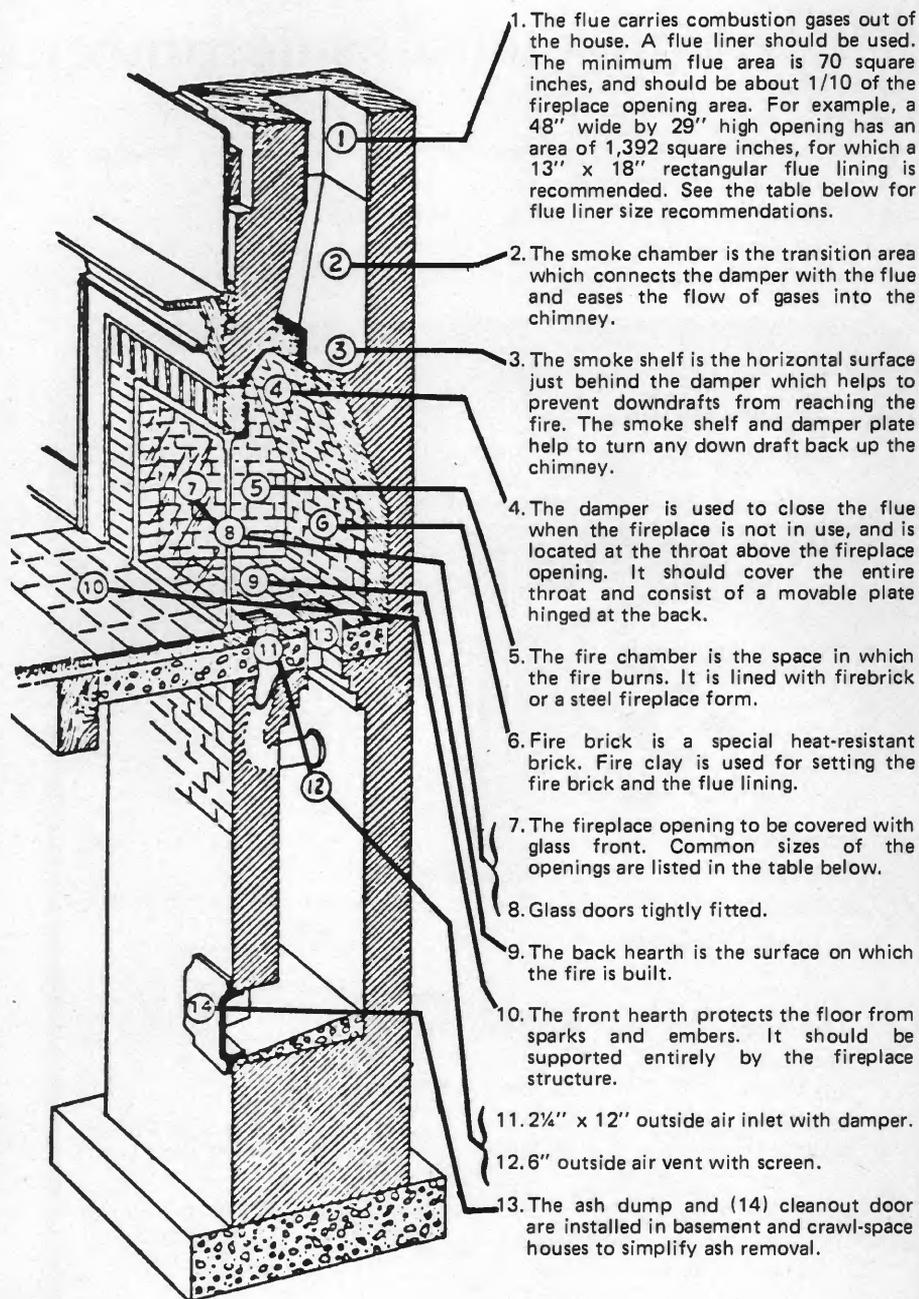
Fireplaces-let us help you save energy & money

A large number of new homes were built this past summer and, now that we are approaching cold weather, many new homeowners are looking forward to spending cozy nights at home beside the fireplace. There is no better therapy than relaxing in this way after a long days' work.

I hope you will not be too disappointed when you find that the fireplace, even though it adds quite a lot to the atmosphere of the room, may not add much as far as heating the room. In fact, it can be detrimental.

We have found it almost impossible to contact everyone on our system who is installing fireplaces. As a result of inadequate information, we find many fireplaces so inefficient that the cost for fuel in heating the home is actually higher when the fireplace is in use than when not used and properly closed off. There are steps to follow in constructing an energy conservation fireplace and this type of fireplace can supplement your present system with considerable savings in fuel bills.

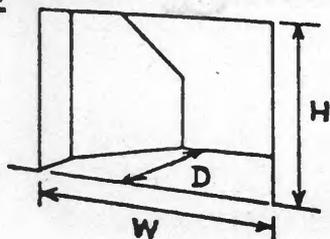
Be sure you have tightly fitted glass doors for your fireplace and keep them closed, especially during the time your fire is burning. Bring in air through an outside air vent. A large volume of air is needed for combustion, therefore, be especially careful that you are not using preheated air from inside the house. A wood-burning stove or furnace is much more efficient than a fireplace, but if your preference is to install a fireplace, we encourage you to consider the features in the accompanying drawing:



1. The flue carries combustion gases out of the house. A flue liner should be used. The minimum flue area is 70 square inches, and should be about 1/10 of the fireplace opening area. For example, a 48" wide by 29" high opening has an area of 1,392 square inches, for which a 13' x 18" rectangular flue lining is recommended. See the table below for flue liner size recommendations.
2. The smoke chamber is the transition area which connects the damper with the flue and eases the flow of gases into the chimney.
3. The smoke shelf is the horizontal surface just behind the damper which helps to prevent downdrafts from reaching the fire. The smoke shelf and damper plate help to turn any down draft back up the chimney.
4. The damper is used to close the flue when the fireplace is not in use, and is located at the throat above the fireplace opening. It should cover the entire throat and consist of a movable plate hinged at the back.
5. The fire chamber is the space in which the fire burns. It is lined with firebrick or a steel fireplace form.
6. Fire brick is a special heat-resistant brick. Fire clay is used for setting the fire brick and the flue lining.
7. The fireplace opening to be covered with glass front. Common sizes of the openings are listed in the table below.
8. Glass doors tightly fitted.
9. The back hearth is the surface on which the fire is built.
10. The front hearth protects the floor from sparks and embers. It should be supported entirely by the fireplace structure.
11. 2 1/4" x 12" outside air inlet with damper.
12. 6" outside air vent with screen.
13. The ash dump and (14) cleanout door are installed in basement and crawl-space houses to simplify ash removal.

Average proportions for Single-opening Fireplaces

Width	Height	Minimum Depth
24"	20"	18"
30	21	18
36	24	20
42	24	20
48	25	21
54	28	24
60	30	26
72	33	28



Flue Lining Sizes

Rectangular	Area (sq. in.)	Equivalent round
8 1/2" x 13"	079	10" diameter
8 1/2 x 18	108	12
13 x 13	125	
13 x 18	169	15
18 x 18	232	18
20 x 20	279	20
20 x 24	338	
24 x 24	420	24

Delayed effective date and longer duration key elements of new wholesale power agreement

A new agreement for the purchase of wholesale electric power for eight Illinois electric distribution cooperatives and one generation and transmission cooperative went into

effect October 1, two months later than previous annual agreements, and will be for a period of 15 months, rather than the one-year period of earlier agreements. Cooperative

officials estimate the rate increase delay and moratorium will save member-consumers an estimated \$800,000.

The agreement, developed after lengthy negotiations with Illinois Power Company (IP), followed IP's initial request for an annual rate increase of \$3.4-million effective August 1 this year to the cooperatives which purchase bulk power from the supplier. The result of the negotiations over a period of several weeks was a purchase contract that includes an annual rate increase of \$2.4-million to the cooperatives, with a delayed effective date of October 1, and a moratorium on additional increases until January 1, 1980.

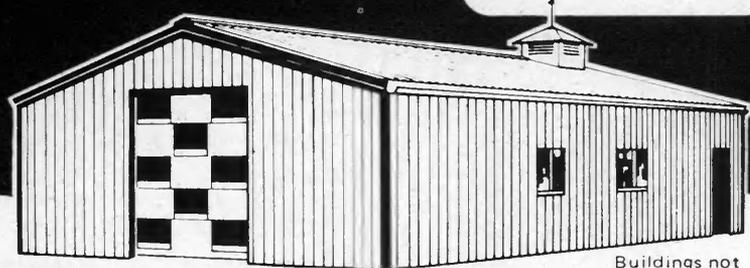
Cooperatives involved include: Clinton County Electric Cooperative, Corn Belt Electric Cooperative, Farmers Mutual Electric Company, Illinois Valley Electric Cooperative, McDonough Power Cooperative, Monroe County Electric Co-operative, Southwestern Electric Cooperative, Tri-County Electric Cooperative and Western Illinois Power Cooperative and its seven member cooperatives: Adams Electrical Co-Operative, Illinois Rural Electric Co., M.J.M. Electric Cooperative, Menard Electric Cooperative, Rural Electric Convenience Cooperative, Spoon River Electric Co-operative and Western Illinois Electrical Coop.

Representing the cooperatives in the negotiations was the IPC Bulk Power Negotiating Subcommittee of the Association of Illinois Electric Cooperatives' Energy, Environment and Engineering Committee. Members of the committee include the manager of each of the cooperatives which purchase bulk power from IP.

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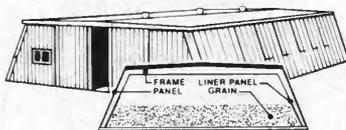
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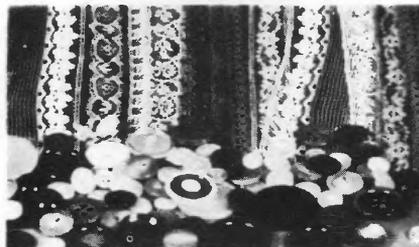
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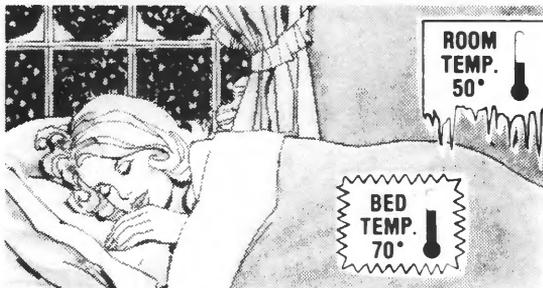
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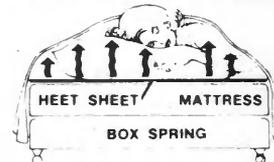
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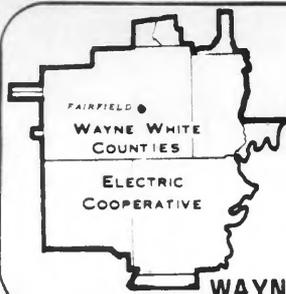
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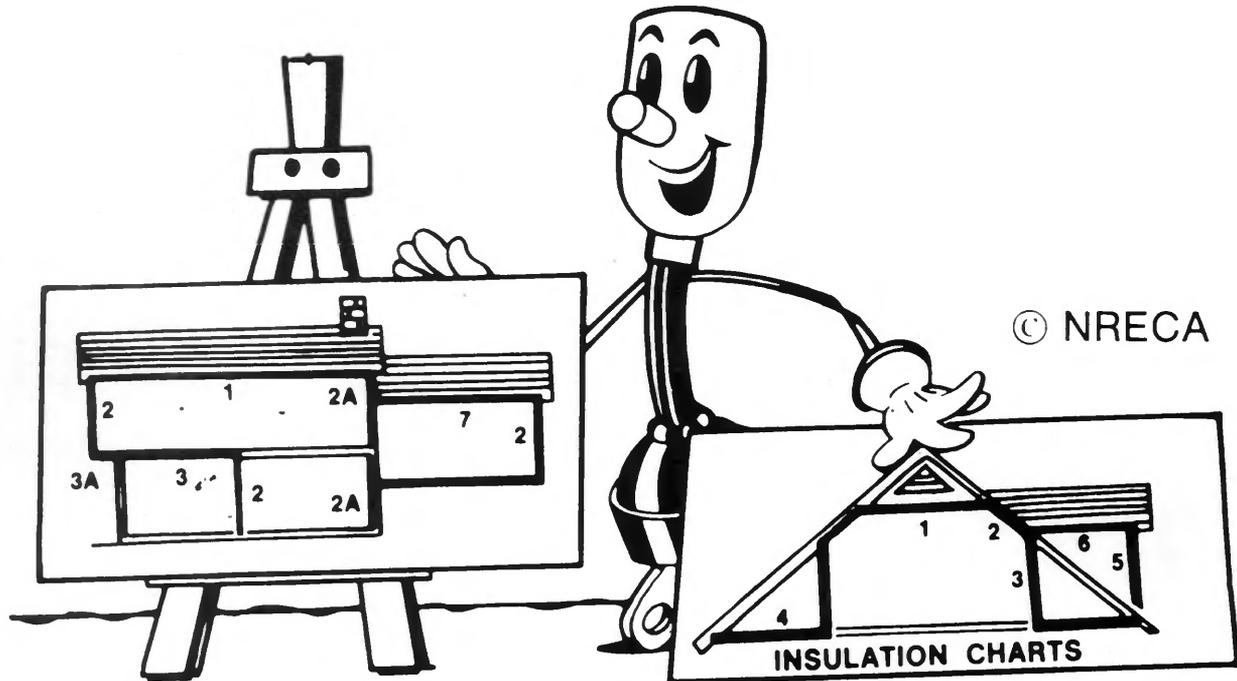
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Wayne-White News

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



© NRECA

Home energy audits available

Can I afford to invest in insulation, storm doors and windows, weatherstripping and caulking? How much will my heating bill go down by weatherizing?

These questions are being asked by homeowners throughout our service area. People are wanting to know how much they can spend and still get a reasonable return on their investment. In our efforts to assist our membership, Wayne-White Electric is providing a free home energy audit. This home energy audit involves a computer calculation of home heat loss characteristics, based upon membership completion of an energy audit questionnaire. In addition, the computer will apply electric costs and building material cost to determine the pay-back period of the cost of weatherizing.

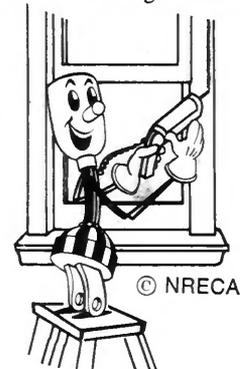
Most of the basic information needed to determine the feasibility of various types of weatherization is provided. The computer program is made available through the State of Illinois under its "Project Conserve" program.

HOW YOU CAN PARTICIPATE

It's easy—and confidential. No one will call on you unless you wish. Your Wayne-White Electric Cooperative will be billed for each energy audit questionnaire mailed in to Project Conserve. We urge you to use this service only if

you sincerely need information in upgrading your home for energy conservation.

1. Fill in your name, address, and telephone number in the request for an energy audit questionnaire and mail it to Wayne-White Counties Electric Cooperative, P. O. Drawer E, Fairfield, Illinois 62837.
2. Upon receiving your energy audit questionnaire, follow the instructions and mail your completed form. Your computer print-out will arrive in 3-4 weeks.
3. Finally, decide what weatherization steps are practical and most urgent. If you need help in determining your weatherization needs we'll be glad to help.



© NRECA

Questions about the future

How scarce will energy be, and who will allocate it?

A leading electric utility official has suggested six questions that should be asked of those persons who advocate energy retrenchment in our society. James J. O'Connor, President, Commonwealth Edison Company, posed the questions during a speech to participants in the Illinois Energy Conference on Electric Utilities in Illinois during September in Chicago.

Questions O'Connor said should be asked included:

- Just how scarce should energy be—and who will allocate it?
- Who might be forced to reduce energy consumption in the event there is not enough energy to meet everybody's needs—the large industrial user, the homeowner, the farmer—or who?
- Just how willing would Americans be to trade their single-family homes for the energy-saving apartments the Swedes are living in, and are the Swedes happy with these units?
- Just how would the American working man react to having labor-saving, energy-using machines taken away and having a pick and shovel put in his hands?
- And when 20 men with hand tools replace the one man and his machine, how much will the 20 men be paid?
- And will someone please ask those who allege that the U.S. energy industry is suppressing solar power because "corporations don't own the sun" just why there is no solar power in countries where there are no corporations—just government?

O'Connor was one of over 40 Illinois and national utility and government leaders who spoke during the three-day conference, sponsored by the Energy Resources Center of the



University of Illinois at Chicago Circle, the Illinois Energy Resources Commission and the Illinois Institute of Natural Resources. Dr. James P. Hartnett is Director of the Energy Resources Center and served as chairman of the conference planning committee.

Among the members of the conference planning committee was

. . . Consumer electric costs are being driven higher and higher by the standards and regulations.

James H. Eddleman of the Association of Illinois Electric Cooperatives. Eddleman and Illinois State Representative Daniel M. Pierce were co-chairmen of the first day's afternoon session on power plant planning and siting.

Five persons addressed the conference during the discussion of

Porter J. Womeldorff, left, Manager of Planning, Illinois Power Company, was among a group of speakers who discussed power plant planning and siting during the Illinois Energy Conference on Electric Utilities in Illinois. Seated are Representative Daniel M. Pierce, center, a member of the Illinois Energy Resources Commission, and James H. Eddleman of the Association of Illinois Electric Cooperatives, co-chairmen of the session.

planning and siting, including Porter J. Womeldorff, Manager of Planning, Illinois Power Company; Richard J. Grant, Environmental Affairs Supervisor, Central Illinois Public Service Company; Martin Wagner, Policy Planning Division, U.S. Environmental Protection Agency; Robert V. Laney, Deputy Director of Operations, Argonne National Laboratory, and Tor Kolflat, Illinois Energy Resources Commission.

Grant said development of accurate load growth forecasts and competent planning and siting of power plants require considerable attention to problems caused by uncertainties, especially those relating to existing and proposed environmental standards and regulations.

He added that amid all these uncertainties is one certainty: consumer electric costs are being driven higher and higher by the standards and regulations.

Grant noted recently proposed federal EPA standards—New Source Performance Standards—which would

Fiat-Allis Demonstration Area

Heavy equipment sales 'built' near Springfield

Just a few miles southeast of Springfield, tractors, scrapers and front-loaders roar back and forth, some plodding slowly and surely, others scurrying around like determined beetles. They are not working on a great project, and the earth they move from one place to another today may well be moved back tomorrow.

The machinery works regularly at the Fiat-Allis Demonstration Area, and the primary function of the area, according to W. L. "Bill" Rummer, supervisor, demonstration areas, "is to generate sales."

"We bring in our salesmen, show them the equipment and tell them the selling points," Rummer says, "and we put them on the machines to operate them. We don't try to make qualified operators out of them, but we do want them to get the feel of the equipment."

Prospective customers, too, are brought to the site of occasion, given a tour of the Springfield Fiat-Allis plant and labs, and are treated to a display of the equipment at work. Rummer tries to keep at least one piece of equipment from each product line at the demonstration area, and there are some 25 pieces of equipment in the

"All in all, it takes about a dozen people to put on a good formal display."

company's line.

Observers at the site sit on bleachers protected from the weather by a blue and white tent-like structure that also houses a product exhibit. One of the prime displays is a



Fiat-Allis' Bill Rummer, on the tractor, talks with Wayne Fuchs of Rural Electric Convenience Cooperative, which provides electric service to the heavy equipment manufacturer's product demonstration site.

comparison of tractor parts, dissected to show the relative "beefiness" of the Fiat-Allis parts as compared to those of the competition.

"We have a couple of demonstration operators here, and a serviceman," Rummer says, adding, "all in all, it takes about a dozen people to put on a good formal display."

The demonstration area is operated on some 70 acres of land leased from the City of Springfield, and serves as the summer facility. It is served by Rural Electric Convenience Cooperative Company, Auburn. Another site, near Phoenix, Arizona, gets a lot of use during the winter months, while a third site in Italy is in use nearly the year around.

The demonstration area in Italy points up the international nature of the firm, which has plants in Italy, England and Brazil, as well as licensees in Japan, Canada and Singapore.

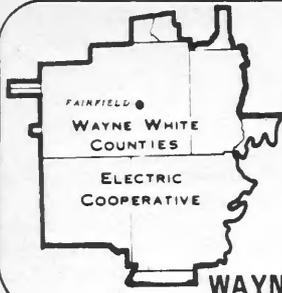
One of the tractors at the site is the Model 41B, which, equipped with blade, cab and ripper, will weigh in at about 160,000 pounds, and cost in the neighborhood of \$330,000. Even at the seemingly stiff price, Rummer notes, the 41 is a popular model.

"Many of our biggest tractors go for coal mining or land reclamation," he says, "and one coal company in

"Many of our biggest tractors go for coal miners or land reclamation."

Pennsylvania has eight of them on order. Coal must really be the name of the game these days."

It is no surprise that the firm's large tractors are selling well, since big equipment is needed to keep up with America's ever-growing energy needs.



Wayne-White News

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

Season's Greetings

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Win a Free Trip To Washington, D.C.

One boy and one girl will receive an expense-paid trip to Washington, D.C. June 9-16, 1979.

Five boys and five girls will be participants in 1979 "Illinois Rural Electric Youth Day" held in Springfield April 25, 1979.

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

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

Eligibility:

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

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

Suggested Topic:

"Getting Acquainted with Nuclear Power"



Form:

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

Information:

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

Entry:

Deliver the essay to the teacher in charge or mail to Wayne-White Counties Electric Cooperative, Drawer E, Fairfield, Illinois 62837, no later than Jan. 31, 1979.



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

Retirement by Dunham closes long career; Buller is successor

Lyle E. Dunham, whose 27 years with the Association of Illinois Electric Cooperatives were marked by dedication, determination and unselfish contribution of time, has retired, ending a career of service to and contact with thousands of Illinoisans.

The Brown County native, who worked five years for Adams Electrical Co-Operative, Camp Point, after Naval service during World War II, accepted a temporary assignment with the AIEC in 1951 to assemble tents, chairs, lighting, sound and other equipment for a traveling annual meeting "caravan" to assist many of the state's electric cooperatives. Shortly after joining the AIEC staff as a permanent employee, he conceived the Illinois Electric Cooperative Emergency Work Plan to provide manpower, equipment and materials in the event of an emergency. (During the Spring ice storm, the plan was activated, saving valuable time in restoring service.)

One responsibility led to another, and he became the AIEC's special services coordinator, serving the state's electric cooperatives in a variety of capacities—including legislative representative; coordinator for meetings, group purchases and job training and safety programs; beauty pageant director; printing supervisor, and Youth to Washington tour



director. In 1961, Dunham was named Director of Member Services.

As Director of Member Services, Dunham worked closely with power use and member service personnel. His service at the cooperative locations made his name and face very familiar.

Throughout his career, Dunham also worked closely with agriculture groups, including the University of Illinois College of Agriculture. On several occasions, Dunham was honored for his service, but perhaps the highlight of the honors came in November when the Illinois Chapter of Gamma Sigma Delta, the Honor Society of Agriculture, presented him with its Award of Merit for outstanding service to agriculture in Illinois. Chapter President Dr. Lyle P. Fettig, who presented the award, cited him for his work to assist farmers in the most efficient and economical use of electric power, his various activities with the Illinois Farm Electrification Council and his work on behalf of the 4-H, Future Farmers of America and the Illinois Young Farmers.

Gary W. Buller, a former staff member of South Dakota State University, has succeeded Dunham.

Buller formerly was a design and research engineer with the Agricultural Engineering Department of South Dakota State, Brookings, where he received his bachelor of science degree



Clockwise from top left: Dr. Lyle Fettig, left, President of the Illinois Chapter of Gamma Sigma Delta, The Honor Society of Agriculture, presents the fraternity's Award of Merit to Lyle E. Dunham, retired Director of Member Services for the AIEC. Gary Buller, a native of South Dakota, is the new Director of Member Services. Dunham, who directed numerous annual meeting beauty pageants, poses with Nancy Hammann, Miss Illinois Electric Cooperatives of 1965.