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"I enjoy your magazine tremendously and congratulate you not only for the wealth of needlework information you provide, but also for its warmth and friendliness. "Stitch 'n Sew" is responsible for an insatiable interest in needlework of all kinds and now I'm afraid I'm hooked."

Mrs. Gloria S., Dallas, Texas

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Mrs. Shirley M. G., Kingston, Illinois

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Co-op Comments

by Lee Leonard

The primary purpose of a cooperative is to serve its members in a way that will enable them to realize a higher income, lower costs and provide more efficient and dependable services.

Cooperatives help people who want to remain independent, own and operate their own business and increase their earnings as much as possible.

Cooperatives have three distinctive principles: democratic control, limited returns on invested capital and operation on a cost-of-doing business basis.



Lee Leonard
Manager

As the New Year begins, we start putting our plans for 1971 into action. Recommendations made by Stanley Consultants, Inc., of Muscatine, Iowa—international consultants in engineering architecture, planning and management, will be carried out.

Service to the Apple River Chemical Plant will be completed. Plans call for 20.6 miles of line improvement in 1971; 13.7 miles of this will be related to the Carthage Substation. Plans are to complete replacement of 290 miles of conductor over the next two years. This replaces conductor installed immediately following World War II.

Many programs are continuous, such as line maintenance, system improvements, adding new services, member services, increasing transformer sizes, etc.

We will continue the maintenance program by cutting trees and brush and spraying under lines.

We will also continue to cooperate with youth groups, industrial development groups, rural area development, community organizations, USDA, and other adult groups. With your support, your cooperative will face whatever challenges it may meet in 1971.

W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.

WIEC Serves Hiram Walker And Sons Stave Mill

WIEC provides three-phase electric service to the Hiram Walker & Sons, Inc., mill located one mile South of Hamilton along Highway 96. It is one of four owned by Hiram Walker with headquarters in Peoria.

The plant covers approximately ten acres and is managed by Harold Austin. Principal products are barrel staves, barrel heads and wood chips. About 2,400 stave bolts (39 inches long) are processed each day.

The plant aids the area economy in many ways. Besides employing an average of 45 persons and paying taxes, the firm buys white oak logs and bolts from many area farmers. These come from about a 100-mile radius. The quality of the logs and bolts depends upon the amount of heartwood present.

White oak logs must be sawed into sections and split into stave bolts. The stave bolts are loaded on a conveyor belt which takes them into the mill. Equalizer saws cut them to a uniform length. Before going through the equalizer saws, a unique device called a "shadow light" casts a shadow on the stave bolt exactly where the saw blades will cut. The operator, standing beside the machine, can shift the stave bolt on the

conveyor belt if necessary, before the bolt is cut. This is a safe practice and reduces cutting errors that wastes wood.

The conveyor belt carries the equalized stave bolt into another room where it is quarter sawn into staves. Here the bolt is loaded onto a saw, which looks something like a cylinder with saw teeth on the end. The cylindrical saw gives the stave the round characteristic. The freshly cut staves are graded, packaged, banded, and piled outside on the mill yard to be air dried.

In another section of the mill is a saw that cuts flat pieces used in the manufacture of the heads for the barrels.

After the staves and heading pieces are air dried, they are shipped to the fabrication plant in Peoria where they are made into barrels. These charred white oak barrels are used for the aging of bourbon whiskies.

Wood residues at the mill are cut into chips that are sold to pulp processors in the area.

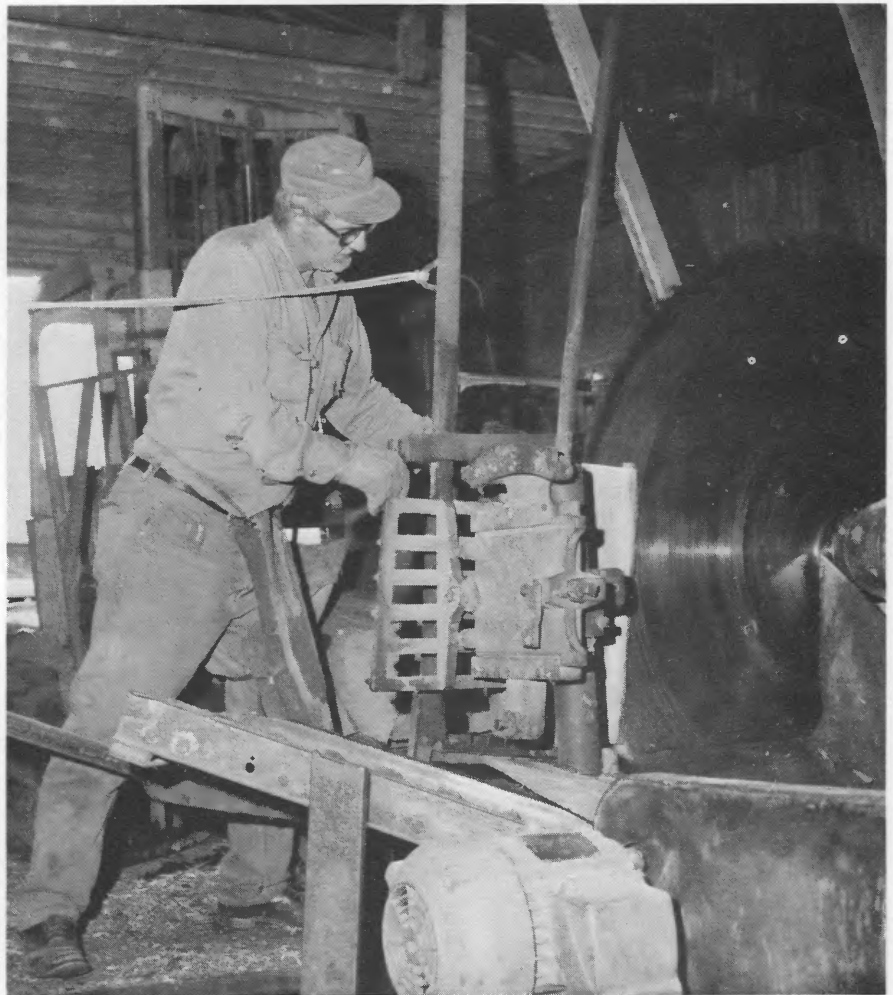
WIEC provides three-phase electrical service to operate the many hoists, saws, chippers, conveyors and lighting in the mill.



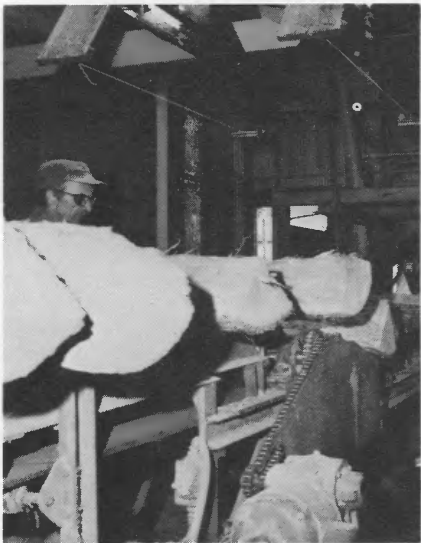
WIEC provides three-phase electric service to Hiram Walker and Sons, Inc. plant south of Hamilton on Highway 96.



Manager Harold Austin stands in front of a pile of White Oak logs which will be cut into barrel staves.



Claude Means, an employee, sawing headings.



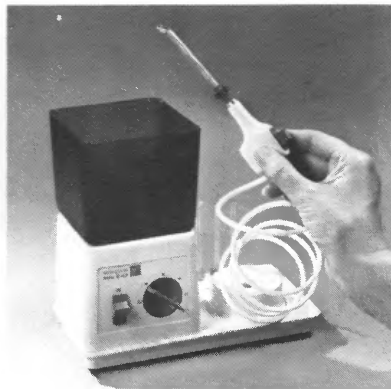
Stave bolts go through an "equalizer." Fluorescent lights above cause string to cast a shadow on the stave bolts, and accurately indicate where the bolts are to be cut.

2,400 stave bolts processed each day



In the picture on the right, Ed Markey operates concave saw used for sawing staves. Above, Manager Harold Austin looks over freshly cut staves which are ready for further drying.

What's New?



• Water Brush

A new dental hygiene appliance called a Water Brush has been added to the line of personal care products by Westinghouse. The Water Brush produces a gentle, pulsating stream of water that reaches in and cleans places that an automatic toothbrush can't reach. Each of the four color-coded picks is rounded at the end to prevent gum damage. The Brush has a unique side-by-side design which allows the Water Brush to fit easily on shelves and sinktops.



• Coffee Table Stereo

Arvin Industries, Inc., has designed a coffee table stereo phonograph with FM/AM stereo radio. Beneath the oak exterior of the coffee table is a slide-out drawer. Contained in the drawer is an amplifier with solid state circuitry and a control center flanked by a four speed automatic record changer. Arvin also offers beautiful matching end tables to complement the stereo coffee table.

Home Builders Eyeing More Rural Areas

(continued from page 4)

anxious to get away from the smoke and noise of the city, he said. They're coming more and more to electric cooperative territory. They can buy a home site, an acre—or two or three or more—and enjoy wonderful comfort and independence.

"They avoid the high cost of land and building in the cities, the high taxes," Campbell said. "Some of them are enjoying life in new 40-acre developments built in the middle of what was previously a cornfield."

"Many are building new and spacious homes for much less than they'd have to pay in the Chicago area, for instance, and they're often selecting sites only a little distance from new and rapidly growing high schools and colleges."

SOME HOME BUILDERS attending the annual meeting spoke of the growing trend of industry, to move from congested areas into smaller towns, or adjacent to them—or even into the country itself. Many national headquarters are moving out of New York City, for example. They're moving to where the living is freer and finer—and that's frequently the areas served by electric cooperatives.

CAMPBELL SAID home builders associations in Illinois and elsewhere are actively studying building codes with a view of encouraging the use of innovative, cost-saving methods and materials.

Probably no one knows better the need for adequate rural housing in Illinois than does George Doddard of FHA. He has traveled the length and breadth of the state, talking with builders, with groups and individuals, including cooperative members, about how they can get the most for their building dollar. And he is one of those expecting major improvements in the years just ahead.

Campbell and other representatives of the Home Builders Association of Illinois are convinced great expansion lies ahead. "Our members are making strenuous efforts to help individuals and developers obtain the finest possible homes for the least possible cost," he said.

Find Out Now If You're Eligible To Win Trip to Nation's Capital!

High school students, what on earth are you doing sitting there reading Illinois Rural Electric News when at least a lot of you may be eligible to win an expense-paid trip to Washington, D. C.?

That's right. Some 50 high school students who write winning essays or otherwise are selected by their electric cooperatives will leave Springfield June 12 for a week-long, expense-paid trip to the nation's capital.

There they'll join 800 to 1,000 other contest winners for a series of experiences they'll never forget. They'll visit the White House, Con-

gress, the Supreme Court Building and dozens of other points of interest to which visitors come from all over the world.

MOST ILLINOIS electric cooperatives are participating in this year's program. Most limit contestants to juniors in the high schools serving their areas. But in some cooperatives, one or more other classes are eligible.

The best thing to do is to inquire of your own cooperative. Then, if you're eligible find out the simple rules and prepare your entry.

You'll get plenty of help and suggestions from your own cooperative and you'll have fun.

IN MOST CASES your cooperative will ask that you write an essay on a specific subject dealing with electric cooperatives, perhaps your own. You may be able to do this in one afternoon, but no matter how much time you spend, it will be worth while. You'll learn a great deal about your cooperative and how it serves its members and adds to the prosperity of all the people living in its general area.

For instance, the mayor of one thriving Illinois town who also was an appliance dealer, once told a contestant, "I simply couldn't be in business today if it were not for the purchases of electrical products the cooperative members make in my store. Most of my sales come from them."

The contestant used this and other information in her essay—and won a Washington trip worth several hundred dollars.

OTHER CONTESTANTS have been told by community leaders how their cooperative helps substantially in every important community project, how its members play key roles in the betterment of their areas, and how the cooperatives are truly "good citizens."

So . . . it's Washington trip contest time again. You still have plenty of time to enter. But there's no time to waste. Your entries have to be studied and judged and winners selected.

And the best advice your "friendly editor" can give is to get started right away. Call your cooperative, or write, without delay. Find out whether you're eligible and how you can start your entry.

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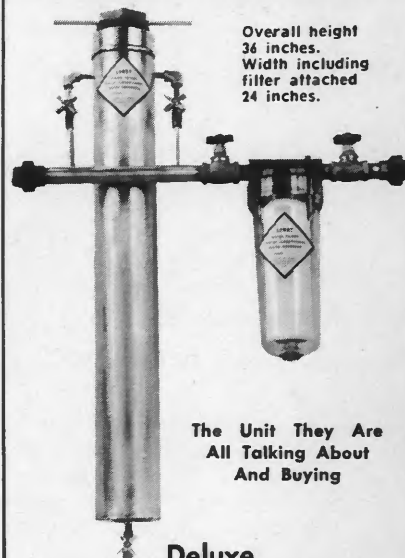
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W. I. E. C. NEWS

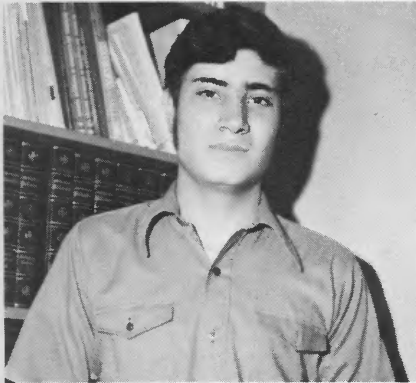
Western Illinois Electrical Coop.

Carthage, Ill.

An American Boy

By HAROLD L. BOULTON

Leonardo Garcia, 17, American Field Service exchange student from Costa Rica, is attending Hamilton High School this year and is living with the Dean Starr family of rural



Leonardo Garcia

Nauvoo. Garcia believes in becoming involved and learning by first-hand experience. Just studying about the United States wasn't enough for him.

Garcia became interested in the American Field Service Exchange Student program when it was dis-

cussed by the guidance counselor in his local high school. His parents shared his enthusiasm, offered their support, and encouraged him to broaden his horizon and apply. He is the first student from his high school to participate in the program. Garcia has four brothers and two sisters ranging in ages from 8 to 26. His father, who has been a Spanish teacher, principal, and legislator, is now retired. In Costa Rica a person must retire after 30 years of service.

FARMS IN COSTA RICA range from 10 to 20 acres. Brahma cattle are the chief livestock. Crops are coffee, corn, beans, and bananas. The author was surprised to learn that there are four kinds of bananas. Different varieties and sizes of bananas are used for livestock feed, banana chips, and eating. The normal human diet is largely rice, red beans, tortias, strawberries, and a casserole made from meat, potatoes, and bananas. The family also eats some of the poultry they raise. Garcia is amazed at the va-



Leonardo helps with the work as well as the fun.

riety of foods eaten in Illinois and especially likes blue cheese, sweet corn, pecans, cottage cheese, and desserts. He was surprised to learn men do some of the cooking and that Illinois women work so hard.

COSTA RICA has a democratic type of government. The law requires employers to give workers time off to vote and every eligible citizen over 20 years of age must vote. In fact, one can be jailed for not voting.

Garcia says that the schools in Costa Rica demand more learning about other cultures than the Illinois system. Great emphasis is put on education. He estimates half of the taxes collected are used for education. College is free to the student except the books. Questions such as "how do you like America?" (instead of the United States) do not irritate Garcia as much as some other South Americans. Costa Ricans are Americans too and why shouldn't they like their home?

Garcia reports the family life is not as united in Costa Rica as in Illinois. In Costa Rica children have their own activities and recreation. There are few family activities and no social activities in their Catholic Church. Our pace of living is much faster than theirs.

Most homes in Costa Rica have electricity. The telephone company is growing rapidly. Utility companies are given a grant of money from the Costa Rica government to get them started and are given a franchise to operate. The government can cancel the franchise if they feel it is necessary. United Fruit Company is one of the largest employers. They have labor unions, automobiles, and trains. Costa Rica has no army.

The author found Garcia understanding and very American. He cares about his contribution to society, his families and people in both countries. We hope many of you will learn to know Garcia and his host family.



Meet the Dean Starr family. From left: Dean, Ann (seventh grade), Karen (sophomore), Maria (kindergarten), Leonardo (senior AFS), Ron (junior), and Marjorie.

Co-op Comments

by Lee Leonard

Electricity Is for People

There is something awe-inspiring about a big electric generating plant. Its massive turbines create power on a scale that is almost impossible to comprehend. Electricity to meet the needs of many huge factories and entire cities is sent out through its transmission lines.

Somehow, when we settle down in our favorite easy chair in the comfort of automatic heat, to watch television with a chilled beverage close at hand, it's hard to relate to the massive structure and the enormous turbines which create the power that makes it all possible.



Lee Leonard
Manager

They are so monumentally impersonal.

It's hard to keep in mind that, in effect, out of the great power plants come the entertainment, the comfortable room, and the cold drink. And, most likely, the income that pays for it all can be traced to an occupation dependent on electrical services.

Because of the magnitude, it's difficult to appreciate that the services of the sprawling electrical industry, in all of its aspects of power generation, manufacturing, construction and research is, indeed, a personal service—strictly for people.

Each year, the industry observes National Electrical Week at the time of Thomas Alva Edison's birthday, February 11. This year the slogan for the week, February 7-13, is "Electricity Is For People."

It is a simple statement that is meant to remind members of the industry, and the millions it serves, that in spite of the many problems of our day, everyone has a stake in electricity.

In a most personal way, electricity powers life as we know and enjoy it.

4-H Electricity Awards



Michael Jones received a radio for his champion electrical exhibit award.



Rick Hickenbottom received a clock-radio award for champion electrical project, demonstration, and overall record.

Western Illinois Electrical Coop. encourages the understanding and better use of electricity through a variety of programs offered each year. One of these is a 4-H awards program in Hancock and Henderson counties in cooperation with the Cooperative Extension Service.

In Henderson county, awards are available for the champion electrical exhibit, for the outstanding electrical demonstration at the county demonstration contest, and the outstanding overall electrical project, which includes citizenship, leadership, record book, and demonstra-

tions given.

Rick Hickenbottom, Media, Henderson county, received a clock-radio award for his champion electrical exhibit and overall electrical project in Hancock county. Michael Jones, LaHarpe, received a soldering gun for his first year exhibit. John Whitcomb received a soldering gun for the best advanced member exhibit.

WIEC hopes these awards will encourage other 4-H members to learn more about electricity and will inspire the recipients to set even higher goals for themselves.

Homemakers Study Electricity

Sheryl Hodges, Hancock county home adviser, contacted the Power Use Department of WIEC in regard to a training workshop on the repair of small electric appliances for a group of Hancock county homemakers. The purpose was to teach homemakers some basic understanding of electricity, importance of safety, what to check when trouble occurs, and how to make simple repairs.

The homemakers brought small appliances for repair to the first

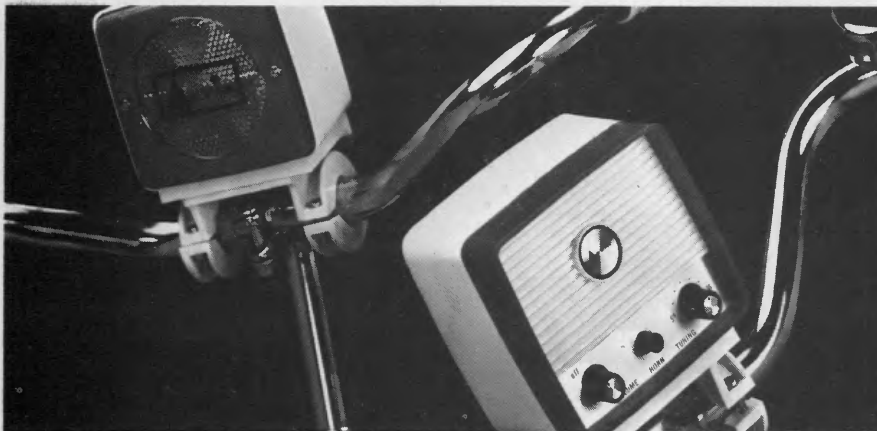
meeting. Lester Aeilts, member services director, checked the appliances for feasibility of repairs. Needed parts were ordered for the next meeting. Appliances included irons, portable heater, mixer, lamps, extension cords, toaster, and can opener.

Harold Boulton, power use advisor, discussed the uses of electricity, tools, terminology, cords, plugs, fuses, Fusetrans, Fustats, circuit breakers, grounding safety, thermostats, and switches.



Some of the Hancock County Homemakers group that took part in the workshop are, from left, Mrs. Carl Hartweg, Mrs. Tom Walker, Mrs. LeRoy Kaylor, and Sheryl Hodges, Hancock county home Adviser.

What's New?



• Bike Radio

Cyclists of all ages will like Arvin's new solid state bike/table/portable radio. This ruggedly-built AM radio can be used anywhere as a portable: on a bicycle, in the home, at ball games or at the beach. It features direct drive tuning and operates on three standard 'C' size batteries. A ferrite rod antenna is built into the case. Suggested retail price is \$14.95.



• Space Tray

This is a prototype of Whirlpool Corporation's proposed skylab heating-serving tray. The tray has built-in compartments which are compatible to food package containers. Four switches located on the front of the tray activate heat elements which keep the food at serving temperature within the compartments. The skylab program is a series of three manned earth orbital flights ranging from 28 to 56 days in length.

The skylab food system must meet the many rigors of space travel. Food package containers must withstand the tremendous pressures of launching and at the same time be easily opened, and provide optimum utilization of storage.

• Refrigerator-Freezer

Tappan's new 1971 refrigerator-freezer line provides the homemaker with an assortment of functional as well as optional features, all designed to make time spent in the kitchen as pleasant as possible.

Tappan's Side-by-Side models include perimeter trim kits that let the homemaker blend the refrigerator and freezer doors with kitchen decor or create a built-in appearance. All side-by-side models are available in copper, white, avocado or harvest gold finishes.



Farm Group Organized

(Continued from page 8)

fair prices for what they produce," Lewis said. "There is great need for such a group of strong-minded individuals as are here tonight. Something must be done to increase farm income."

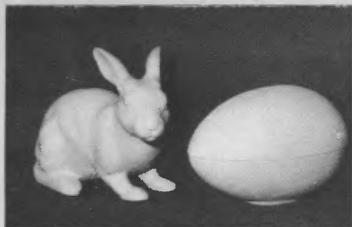
Sister Thomas More, a teacher and a practical student of farm problems, and a frequent speaker before farm groups, frequently had urged farmers to get behind specific programs on which all can agree—and not worry excessively about those matters on which they cannot agree.

Repeatedly she has urged intelligent, cooperative action along a united front in serious efforts to solve vitally important farm problems.



Mercer Turner

Mercer Turner, 18, Illinois President of the Future Farmers of America, spoke briefly. He said today's young people are anxious to have a part in helping solve pressing problems. Farm young people especially, he said, are deeply concerned.



Bunnies and Candy Dishes!

Bunnies: 8 x 6 inches, porcelain bisque. Pink, blue, or yellow, \$4.00; White ceramic, \$3.00

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Rural Areas Hit by New Loan Ruling

The Farmers Home Administration (FmHA) insured loan program for rural housing has seen its fiscal 1971 ceiling lowered by a third—some \$500 million.

Robert D. Partridge, general manager of the National Rural Electric Cooperative Association, said the slash resulted from Administration action, reported in the new federal budget.

He described the action as "a cruel blow to thousands of low income rural families who have no other hope of obtaining decent housing except through this program."

THE COOPERATIVE News Service said knowledgeable observers of the rural housing campaign have been hard pressed to explain the loan ceiling reduction, particularly in view of the explanatory material covering the FmHA program in the previous federal budget. This said:

"Over half of the nation's substandard housing is located in rural areas. As part of the Administration's effort to improve the quality of the environment and upgrade rural communities, technical and financial assistance to low-and-moderate-income rural residents' housing will be expanded."

Now, halfway through the fiscal year this budget message was speaking about, the FmHA insured loan program has been lowered from \$1.457 billion to \$946 million.

"THE ACTION is more surprising," said CNS, "when one learns that by the end of November FmHA had already committed \$526 million in 42,000 loans—and had in the mill an additional 71,000 loan applications which would have taken care of the ceiling the Administration had first set. From a needs answered view, the program was certainly, therefore, a resounding success."

"But most surprising is the fact," CNS continued, "that this program was having no negative effect upon the budget because it involves no appropriations. . . . Because FmHA sells its 7¼ per cent interest loan paper to private sources at between 6 and 7 per cent interest, the program actually makes money for the government."

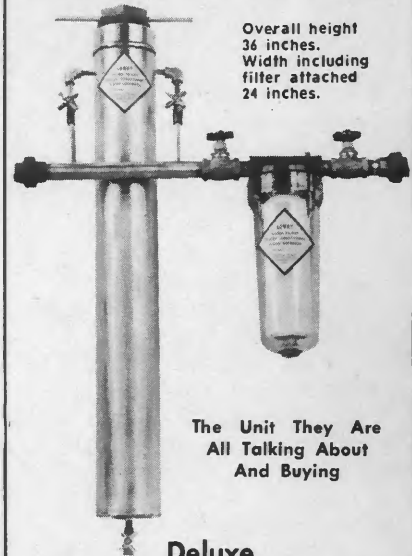
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W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.



A few of the many dolls in the Ochsners' home.

Dolls Need Tender Loving Care

By Bonnie Boulton

Every little girl has spent many hours playing with a doll. Dolls come in all sizes, colors, shapes, and features.

Grace and Clarence Ochsner have created a wonderland of dolls in their home shop south of Dallas City. They collect rare dolls from dealers and from individuals who part with their childhood playmates in hope that the Ochsners will restore them and make someone else happy.

When necessary, Ochsner repairs the dolls in his basement workshop. Mrs. Ochsner dresses the dolls for

their own collection and for people throughout the United States.

Mrs. Ochsner started the hobby some ten years ago by sewing doll clothes for her niece. She began by collecting a few dolls and dressing them. Three years later, she started selling dolls. The hobby has grown into a business for the Ochsners. Recently they purchased a private collection of over 200 dolls.

Before their recent open house, Mrs. Ochsner dressed 21 dolls in 23 days. Dressing the dolls may include the handmade dresses Mrs. Ochsner makes from actual old-fashioned fabrics and laces, new wigs, and

perhaps repairing the doll. Some of the more elaborate costumes have petticoats and pantaloons.

Mrs. Ochsner's workshop is an upstairs bedroom equipped with a sewing machine, 12 drawers full of wigs in various sizes, and a file of replacement arms and legs.

Included in the Ochsners' doll collection are Simon Harbeg dolls from Germany — some of which stand three feet tall, Shirley Temple dolls, French dolls, an antique baby doll, which was rarely seen years ago, a crippled-arm doll, and two of the extremely-rare pregnant dolls.

Most of the antique dolls date back to when dolls were not used for play but served a functional purpose. Only a doctor was allowed to see and treat the ailing part of a woman's body, so a doll was used to show others the area of the ailment. When French dolls with the latest Paris fashion were imported, American women were known to have trampled each other in their eagerness to buy.

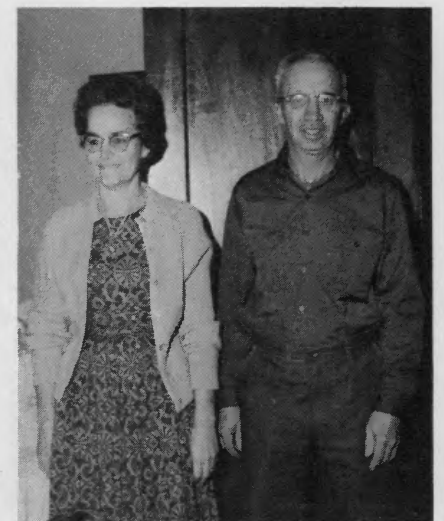
Dolls are in great demand. The Ochsners advertise in a catalog and sell to people throughout the United States and Canada. Prices range from \$30 to over \$200. Dolls are sold to antique dealers and to children of the 12-14 age range who are starting collections. Surprisingly, many customers are men.

The Ochsners have created an exciting and profitable business with dolls. They are presently working on a circus exhibit which includes clown dolls.

If a stop at the Ochsner's would prove interesting to you, their address is r.r. 1, Niota, Illinois 62358. Their phone number is 217-755-4362.



More dolls in the Ochsners' collection.



Mr. and Mrs. Clarence Ochsner

Co-op Comments

by Lec Leonard

Do A Good Deed

Play is a healthy, natural thing for children. They like to hide. Each year we hear of children suffocating inside improperly discarded ice boxes, refrigerators, or freezers. We recommend any one of the following alternatives whether the unit is taken out of use temporarily or permanently.

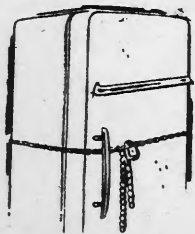
COMPLETELY REMOVE THE DOOR. This precaution can be taken if the unit is to be put either temporarily or permanently out of use. Take preventive action immediately even if the unit is to be out of use only a short time. It takes only a moment with a screwdriver, and the unit is safe.

USE RUBBER BUMPERS OR WOODEN BLOCKS TO PREVENT THE DOOR FROM CLOSING COMPLETELY. Secure with contact cement or strong adhesive glue. Place high up—out of a child's reach—and make sure the bumpers or blocking are thick enough to prevent the door from closing completely.

CHAIN AND PADLOCK OR TAPE DOOR CLOSED. Use an ordinary chain and padlock or the new virtually unbreakable self-adhesive filament tape which can be found at most stationery and hardware stores. Wrap tape around several times and overlap in the back.

REMOVE OR MODIFY THE LATCH. If design permits, slip the winged head of a toggle bolt into the latch with a wooden block or metal plate screwed flush to inner door surface. Where removal of latch leaves exposed screw holes, attach a wooden block so door cannot close. When ready to restore to use, merely unscrew and remove.

The few minutes that it takes to alter a unit will give you peace of mind and may save a child's life.



CHAIN AND PADLOCK OR TAPE DOOR CLOSED.

Why Melt This Summer?

Are you still shivering from winter's dying gasps, wishing for the warmer days ahead? When warm weather arrives, will it be like the sweltering days of last summer when you were waiting for some cool weather?

Do something about the weather today. Be like the positive people who have installed whisper quiet central electric air conditioning and electric heating. They control the weather by setting a dial with their fingertips. Their homes are never too hot or too cold, but always just right. Only electric heating and air conditioning offer you such comfort and convenience. There are also window models for every need. They are easy to install and more units can be added any time.

Most people purchase a room air conditioner primarily for its ability to keep them cool. Only after a season or two, do they realize that their homes stay cleaner, require less dusting, less washing and scrubbing of shades, woodwork, and floors; furniture, rugs, and drapes require less frequent cleaning also. Most air conditioners have settings which permit stale, smokey air to be exhausted from the room and replaced with fresh air which has been cleaned, cooled, and dehumidified. Folks suffering from asthma and hay fever can get welcomed relief. Members use them in the spring and fall as well as summer.

Air conditioners remove humidity as well as lowering the temperature. If you open windows when the outside air temperature drops, you raise the humidity of the air inside your home. If you use your air conditioner the next day, it must remove this moisture as well as lower the temperature. Start your air conditioner before heat has built up. Check the filter periodically.

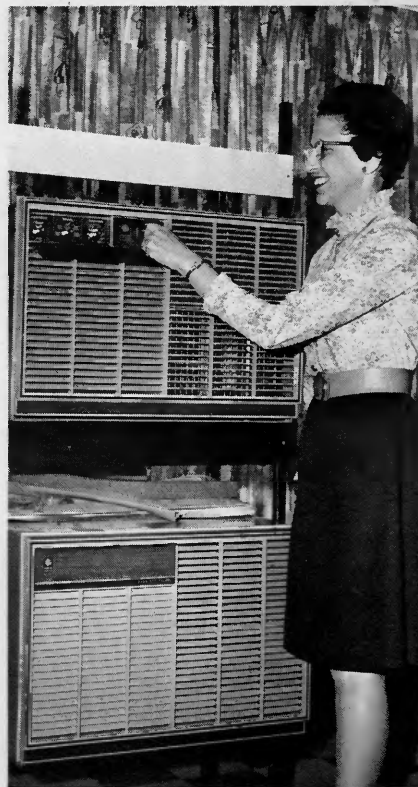
It is important to size air conditioners to the area being cooled. Insulation, exposure side, cubic feet of area, what's above or below the room are all factors that affect the size. You will probably need a smaller unit to cool a bedroom than your living room. Over-capacity can be as undesirable as under-capacity. The too-big unit will cool too quickly, shut off, and fail to control hu-

midity. The too-small unit will run continuously, act as a dehumidifier, but fail to control temperature. "GET YOURSELF A DEALER INSTEAD OF A DEAL."

Recognizing that there are places where smaller units are more satisfactory than one large 240-volt unit, WIEC has altered the requirements for incentive payments. The restrictions on 120-volt and smaller than 9,000 BTU units have been eliminated. A graduated incentive payment scale has been established for air conditioners to encourage larger units where needed, but also recognizes smaller units.

The new rates are \$7.50 for 7,000 BTU and smaller units, \$15 for 7,001 to 15,000 BTU units, \$17.50 for 15,001 to 20,000 BTU units, and \$20 for units over 20,000 BTU.

Now is the time to stop at WIEC or the show-room of your favorite appliance dealer and make arrangements to have an air conditioner installed before the hot weather arrives. If you wait, you'll have to endure several hot, sticky days before your air conditioner can be installed.



Clarabelle Marshall, WIEC employee, adjusts a dial.

What's New?

Cooperativ



● Automatic Spin-Rinse

Hoover's spin-drying washer features a new automatic spin-rinse cycle. The rinse action saturates the load with fresh water, then spins it out while flushing the spin basket. The final ultra-high spin leaves the clothes damp-dry. The twin-tub capacity permits a second load to be washing while the first load is spin drying. The suggested retail price is \$189.95.



● Gallery Collection

Pretty enough to bring to the table is this gallery collection of electric cooking appliances by Westinghouse. Each of the three new collections contain five appliances and are expected to sell for less than \$120.



● "Dialite" Controls

Three 1971 ranges in the Tappan Electra 800 series feature new "Dialite" controls with illuminated indicators showing top unit settings on a vertical scale. Homemakers simply dial the desired cooking temperature. Other features include Life 'N Lock top, removable elements, automatic clock, and a choice of continuous or pyrolytic cleaning oven.



● Porta-Cool

Hotpoint's 1971 Porta-Cool air conditioners operate on 115-volt with cooling capacities from 5,000 to 8,000-BTU per hour. The units feature a low fan speed for quiet nighttime operation. The conditioned air is discharged out of the top of the unit to provide a canopy of no-draft cooling.

"No matter how wonderful an area is, no matter how attractive, it simply can't grow, prosper and attract happy, contented residents unless it offers the essential facilities they demand . . . good schools, a good hospital, good recreational opportunities . . . and, extremely important, outstanding professional people, particularly doctors."

Robert W. Vander Pluym, power use adviser for Clinton County Electric Cooperative at Breese, some 30 miles east of St. Louis, was talking seriously with friends. They nodded agreement.

"We're getting a marvelous new hospital, mostly through our own community efforts," Vander Pluym went on. (The St. Joseph/Clinton Hospital that cost \$3.8 million has 100 beds and is as modern as tomorrow.) "But we do need more doctors and other professional people, lawyers, nurses, teachers, architects, dentists, people who will help make our area even more attractive than crowded metropolitan areas."

"Let's do something about it."

SO HERE IS HOW one area is tackling this all-too-common problem:

A group of business and professional people, and their friends took the lead. Early this year they launched the Clinton County Challenge for Doctors. They asked Bob Vander Pluym to lead the drive. But it is no one-man show. Hundreds of people are pitching in with ideas, suggestions, work and encouragement. It's another community challenge as was that beautiful new hospital and numerous other civic-community projects.

CLINTON COUNTY Electric Cooperative, Inc., through its employees, its manager Joseph H. Heilmann, its board of directors and its extensive membership, all are helping.

"Concerned individuals decided that there had been too much competition for doctors among the communities of our area," Vander Pluym observed in a recent interview. "Nearby Trenton had been seeking a doctor for a long time. With a population of more than 2,000, it



Officers of Western Illinois Power Cooperative, Jacksonville, with the cooperative attorney and the general manager, are, from left, Orville N. Foreman, attorney, Jacksonville; S. R. Faris, assistant secretary-treasurer, Winchester; Walter H. Johnston, secretary-treasurer, Girard; Henry F. Egelhoff, president, Jerseyville r.r. 3; Ralph E. Erb, vice president, Ipava r.r. 1, and Donald B. Bringman, general manager, Jacksonville.



F. J. Longmeyer, right, of Greenfield, receives a watch from WIPC general manager Donald B. Bringman. It was presented on behalf of the cooperative which Longmeyer helped organize.

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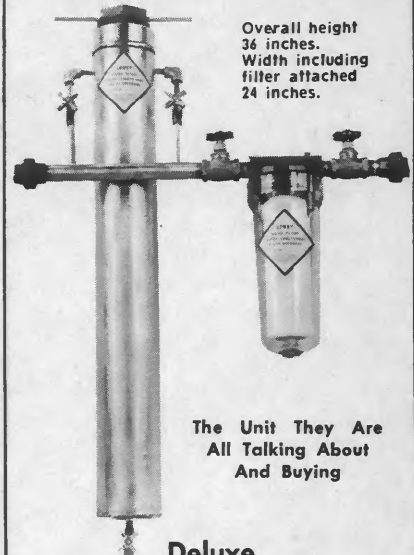
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W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.

LAND LABORATORY New Opportunities Project



Jim Watkins of Carthage looks on as Paul Shanks of Warsaw points out the root growth of a greenhouse plant.

Jim Trotter, vocational agriculture instructor at Warsaw, and other Warsaw teachers are concerned about students dropping out of school. Some students are harder to motivate than others. Some don't understand how English, mathematics, and science are relevant to the world of making a living.

Trotter decided to try a different approach. Perhaps he could convince certain students, through practical activities with their hands which they would enjoy and know something about, that English, mathematics, and science are important. The boys are from rural communities. Many of them are interested and already have some knowledge of plants, animals, or mechanics.



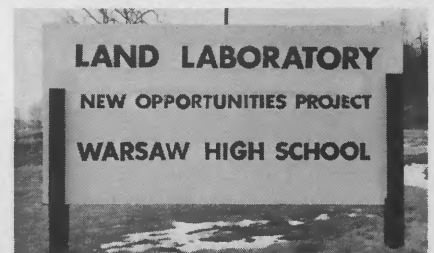
Ricky Lung of Nauvoo-Colusa is in charge of watering operations for the geraniums which the class has propagated.

Putting his idea into effect wasn't easy as Trotter looked for two years for a place to carry out this work. Due to the consolidation of schools, a school building five miles south of Warsaw became available. He was able to lease some land nearby for plant, animal, soil, and bird study. The program was financed by a state grant for a three-year pilot project. Funds now come from the Special Education Division of Illinois Department of Public Instruction.

THE PROGRAM is designed for freshman and sophomore boys, who lack interest in academic subjects, but are interested in animals, plants, or mechanics. Students become a part of the program through recommendation of teachers. The group is kept small so that more individual attention can be given.

Practical activities are planned and carried out by the students. A classroom is used to co-ordinate the activities of the units taught. A high school shop is utilized to teach basic mechanical skills. At the land laboratory, students study tree identification, geology, soils, plant development, large and small animals, poultry and other birds.

Mathematics, communications (English), and science are taught in relation to the activities performed in the class. For example, if a student wants to saw a board for a purpose, he soon discovers



that mathematics is required. If he wants to write for information, English is necessary to communicate correctly and clearly. The students are given assignments and are responsible for carrying them through.

The school, community, and the world of work are emphasized. Finding a job, holding a job, working for a boss, dress, attitude, and other attributes are taught and considered basic information during in the two-year period. On-the-job training is encouraged for boys who are mature and responsible.

LARRY MILLER is presently teaching 14 students from Nauvoo-Colusa, Hamilton, Carthage, and Warsaw schools. The students are integrated into the Warsaw High School classes as much as possible to teach cooperation with all high school students as well as providing course work of their interest. Most of the boys will receive additional counseling and guidance in their junior and senior years.

Plans for the 1971-72 school year include services for all high school students. Warsaw is striving for the ideal situation where students will receive enough additional help to make their high school years a rewarding experience.



Larry Miller, left, teacher, looks on as Ricky Lung and Jim Watkins mix plant food for potted plants.

Co-op Comments

by Lee Leonard

Mother's Day will be coming up soon. I would like to dedicate this column to Mothers. Mothers have a greater capacity for love and tenderness than most men.

WHAT IS A MOTHER?

If there is something one cannot do without, it is mother. Father loves her, daughter imitates her, son ignores her, salesmen thrive on her, motorists hurry around her, teacher phones her, and the woman next door confides in her.



Lee Leonard
Manager

. . . She likes sewing, detective stories, having her birthday remembered, church, a new dress, the cleaning woman, father's praise, a little lipstick, flowers and plants, canasta, dinner out on Sunday, policemen, one whole day in bed, crossword puzzles, sunny days, tea and the newspaper boy.

. . . She can be found standing by, bending over, reaching for, kneeling under, and stretching around, but rarely sitting on.

She has the beauty of a spring day, the patience of a saint, the appetite of a small bird, and the memory of a large elephant.

She knows the lowest prices, everybody's birthday, what you should be doing and all your secret thoughts.

She is always straightening up after, reminding you to, and taking care of, but never asking for.

Yes, a mother is one thing that nobody can do without. And when you have harassed her, buffeted her about, tried her patience, and worn her out, and it seems that the end of the world is about to descend upon you, then you can win her back with four little words, "Mom, I love you!"

A NEW WRINKLE has been added to auto seat belts by an Illinois inventor. His patented belt not only keeps you safely in your seat in the event of an accident, but it massages your tummy at the same time. It helps prevent drowsiness on long trips, says the inventor, and might also reduce your waistline.

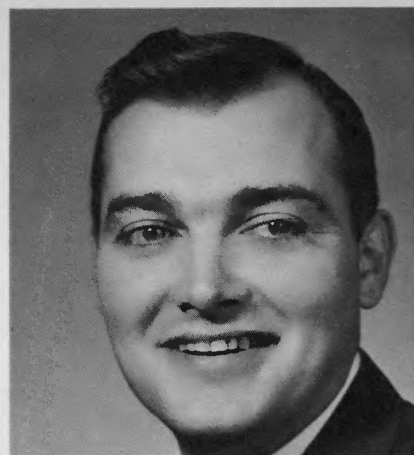
Mohrman Speaks To Lion's Club

Roger Mohrman, Camp Point, manager of the member service department of Adams Electrical Co-operative, spoke to the Carthage Lion's Club during National Electric Week.

The theme of National Electric Week was "Electricity Is for People." Mohrman, who is a member of the Lion's Club at Camp Point, reviewed some of the highlights of the life of Thomas Edison and used slides to illustrate some of the uses of electricity.

Mohrman, who recommended that members read about the interesting life of Edison, pointed out that Edison was born February 11, 1847, Mila, Ohio. Edison was an ingenious person with only three months of formal schooling. With the aid of his mother, he taught himself.

At 23, Edison received the first patent for a vote recorder. During the next 60 years, he received 1,500 more patents some of which included: the incandescent lamp, improved dynamo, central station power, fluoroscope, magnetic ore separator, improved batteries, electric locomotive, poured cement house, phonograph, motion pictures, micro-



Roger Mohrman

phones in the area of entertainment, carbon transmitter, telegraph, mimeograph machine, and type print from telegraph in order to improve communications.

Mohrman used slides to show old and new methods in lighting, refrigeration, homemaking, farming, construction, and other areas. He predicted that there will be many more improvements in the future.

Mohrman summarized his presentation with a quote from Edison: "My philosophy of life is to work to learn of the secrets of nature and apply them for the happiness of men. I know of no better service to render for the short time we are on this earth."

Electric Heat on Parade



Roylene Peterson says, "I like the convenience. Being able to turn off rooms when not in use." Her heating bill was \$219.35 for 1369 sq. ft. area during the 69-70 heating season.



"It is clean and convenient," says Mrs. Ernest Boston, whose home had electric heat installed in 1965. Mrs. Boston heated her 868 sq. ft. home for \$78.50 during the 69-70 heating season. Mrs. Boston was away from home part of the time.

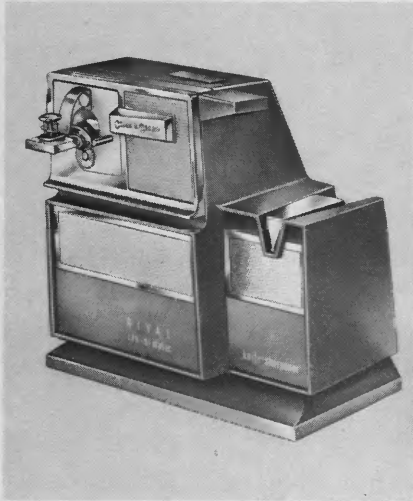


"It's clean and no trouble," says Clay Miller, Plymouth. Electric heat was installed in 1963. Operating costs in 69-70 for 1446 sq. ft. was \$295.59, including space heater in the basement.



"You don't see it, you don't hear it, it is great," says Fay Burkhart of La-Harpe. Heating costs during 69-70 heating season were \$221.08 for 1158 sq. ft. area, including a space heater in the basement.

What's New?

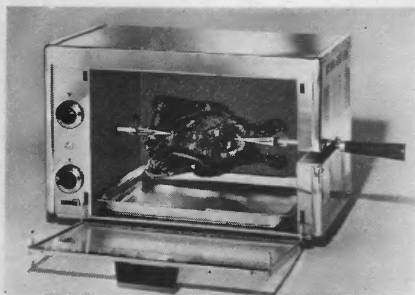


● Can-O-Matic

The "Click 'n Clean Action" of the Can-O-Matic by Rival Manufacturing Company makes a new can opener and knife sharpener combination a standout. The item contains cord storage, an auxiliary knife sharpener switch, and a recessed carrying handle. The suggested retail price is \$21.95.

● Movie Cassette

High-speed automatic rewinding is a feature of Bell & Howell's Auto 8 movie cassette projectors which include several models with a price range of \$159.95 to \$219.95. The 469Z model has instant replay, a zoom lens, dial focusing and tilt control. It has multi-motion features which include normal, slow motion, stop motion, or still.



● Rotisserie Oven

A continuous clean rotisserie-oven has been introduced by International Appliance Corporation in its Broil-King line. Listed at \$89.95, model 560 contains catalytic liners which causes fats and spatter to disappear during normal cooking operation. It has a snap-in element on top for broiling and barbecuing; the snap-in element on bottom permits baking and defrosting.

● Fondue Cooking

The Nesco fondue electric fry pan-fondue set has a super-accurate heat control with a signal light that is removable when the fondue set is not in use. The fondue pot may be removed and the base unit may be used as a fry pan. The unit is completely immersible. The suggested retail price of \$45.50 includes a six-piece set of color-coded fondue forks.



Uses, Problems Of Electricity Undergo Study

Electric cooperative members have the right to expect the finest possible service, including cost and reliability, and their cooperatives are working intensely to provide it—both now and in the future.

So said William E. Dean, director of the Association of Illinois Electric Cooperatives' Power Supply Department, in a recent address at Princeton.

He spoke on the subject, "A Look to the future," during an Illinois Farm Electrification Council annual meeting with Cooperative Extension Service personnel from District 1, one of five such districts in Illinois, and with power supply personnel.

WHEN THE ELECTRIC cooperative movement was getting under way a generation ago, Dean pointed out, members were so delighted to receive the blessings of electricity that they paid less attention to efficiency.

Today this is changing. Management, and members, have been learning to operate with increasing efficiency the non-profit businesses the members own. Tremendous

Among conference participants, from left: Morris Deul, Geneseo; William E. Dean, Springfield; Dr. Frank Andrews and Professor E. F. Oliver, Cooperative Extension Service, University of Illinois; Paul Schmidt, Commonwealth Edison Company, and Fred Holhubner, Extension Service.



You Couldn't Become a Painter?

"I attended classes for two winters and then went four summers to an advanced class. It was great and I loved every minute of it."

SHE MANAGED her painting in addition to daily housework and looking after her husband and son. The elder Masten is retired and the son manages the 100-acre farm on which they live.

The Mastens are members of Menard Electric Cooperative of Petersburg. They also have four daughters, all teachers, and are the proud grandparents of six—at last count.

Mrs. Masten has pushed her art career into several media including charcoal, oil, watercolor and pencil.

Several of her paintings have been exhibited at the Menard county fair

and elsewhere. One oil took a prize at the Illinois State Fair. Mrs. Masten is good. She has sold many sketches and paintings.

DOES SHE RECOMMEND her hobby to others, young and old? Of course!

"It is richly rewarding," she says, "but it does take time and patience which most of us have in later life. There are plenty of art shops and art classes where a beginner can get help and instruction in a variety of art forms."

Mrs. Masten says many public schools have adult education classes with small tuition fees and sometimes with no fees at all.

"There's unlimited opportunity for expression in art," this lively painter says. "I hope the readers of Illinois Rural Electric News will find encouragement in my efforts."

"Painting is fun, no matter what your age, from childhood on. You need not be a genius. Few people are. But I can think of no recreational activity that provides so much pleasure, even delight, for many, many people."

AND WHAT WILL you paint? There are subjects everywhere.

Mrs. Masten lives in the historical Lincoln area near New Salem. Her home is bright and full of scenes from the district. In pleasant weather she goes often to a nearby covered bridge. The restored buildings of New Salem are her frequent subjects.

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Say good-bye to those drab, unattractive shady spots where flowers just won't grow or bloom. Plant these exceptional Begonias that thrive and bloom best in the shade. Once these 1"-1 1/4" diam tubers start flowering they keep it up all summer long, constantly producing one series of huge colorful blooms after another. Offer brings a mix of imported Belgium Carnation and double Camellia type in a rainbow of red, white, pink, orange, yellow, etc. as available. Don't miss this big value . . . Mail order today.

20 Imported Begonias (Mix) . . . \$1.98.

40 Begonias . . . \$3.75.

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Cash enclosed. Add 35¢ and we ship postpaid.

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MICHIGAN BULB COMPANY, BG-1552

—Grand Rapids, Michigan 49502

W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.

Mobile Home Provides Electric Living



As she reads to her grandson, Jeff, Mrs. Wear enjoys the many advantages of the mobile home's interior.

We were pleased when the Roland Wear family of rural Carthage inquired about ELECTRIC HEAT in a mobile home they were planning to purchase to replace a conventional home.

The Wears became acquainted with electric heat through their relatives. They liked the safety and cleanliness of electric heat.

Wear works for the Burlington Road Builders, farms 260 acres of land, maintains a beef herd, feeds out the calves and raises a number of swine.

In electrically-heated mobile and modular homes, proper insulation is essential. We appreciated the opportunity to discuss with the Wears

and their mobile home dealer requirements for insulation and wiring before the home was actually built.

IT IS MUCH easier and more economical to order a home built to desired specifications than to alter the home later. We knew the location of the entrance panels and were able to lay the underground entrance before the home was set over the area.

Mrs. Wear said they were interested in a mobile home because it costs less per square foot of living space, is instant housing, has built-in storage space and has all the room her family needs.

In purchasing a mobile home, Mrs. Wear suggests the careful selection of a reliable dealer who will correct any problems immediately. She recommends getting good quality carpeting and paneling.

Expandable sections give added width to the living room or bedroom.



The Wears have an attractive, well-lighted area in which to plan and make home and farm management decisions.



Mrs. Wear demonstrates a use of electricity.

She is satisfied with mini-care maxi-wear. In two hours she can clean and straighten the home and have leisure time to read, play with her grandchildren, or visit her family.

With more designers and manufacturers focusing attention on mobile homes, an owner can literally choose from an assortment of materials with an amazing variety of designs and colors.

MOBILE HOMES are professionally decorated and furnished to provide maximum space for the family. Many furnishings have a dual purpose. The buyer can choose his desired floor plan and various colors and styles of furnishings.

Builders make special efforts to please the homemaker by creating an attractive and enjoyable area in which to manage her home. Designs take into consideration the triangle work floor plan, recommended by professional planners. Kitchen designs provide ample work area and storage space for important kitchen activities. Brand-name appliances are the same as found in a conventionally-built home.

Mobile home owners with electric heat are eligible for the same incentive payments as conventional home owners. Please contact WIEC for a free estimate on electric heating whether you are planning a mobile, modular or conventional home.



Co-op Comments

by Lee Leonard

WIEC, the Farmers Home Administration (FHA) and others have a common interest in rural housing.

The FHA in Illinois makes rural housing loans to farmers and other rural residents to finance dwellings, building sites and essential farm service buildings.



Lee Leonard
Manager

Rural areas, which qualify for FHA loans, include open country and towns with population less than 5500. Rural housing loans are made only to those applicants who are unable to obtain the credit they need from private lenders.

Funds are available to build, improve or repair rural homes, related facilities, or farm service buildings. Loans can be granted to provide water for farmstead and household use, to modernize homes, add bathrooms, install central heating, modernize kitchens, enlarge or remodel buildings, or put in related facilities such as yard fences or driveways.

Loan funds may be used to buy an existing house with lot or to buy an adequate site on which to build a home.

In instances where buildings were destroyed or damaged by floods, earthquakes and other natural disasters, loans to repair or replace these buildings can be made at a low interest rate.

No Voltage Drop in 4-H Electricity

Henderson and Hancock County Cooperative Extension Services have completed a series of four 4-H electrical training schools.

Western Illinois Electrical Coop., Central Illinois Public Service, Illinois Power, Carthage Maytag, OK Electric, Don Zurmuehlen and others helped the Cooperative Extension personnel plan, promote, conduct and evaluate the 4-H electric program. They helped provide instructors, teaching aids, literature, demonstration equipment and materials.

The Illinois Farm Electrification Council and Westinghouse Electric Corporation continue with their generous support to the 4-H electric program.

THE PURPOSE of the electric program is to help 4-H members develop leadership talents and to work toward achieving the broad objectives of character and effective citizenship, to learn more about electricity and the proper use and care of electrical equipment and to help others learn more about electricity and its uses.

A farmer may borrow funds to provide adequate buildings for his use or for the use of his tenants and laborers.

Contact your local FHA office for further details. John R. Clark, FHA supervisor, is located at 519 N. Madison, Carthage.



Gary Icenogle, WIEC assistant utility serviceman, explains to Phil Cook, Bill Bond, Janelle Rehm, and Peggy Eisenmayer how electricity makes motors operate.

The 4-H members learned how electricity travels and creates heat, light and sound. They learn that inadequate wiring causes voltage drop, which lowers the efficiency of electrical equipment and is dangerous.

In the area of safety, they learned that proper fusing and wire size make an electrical system safe. They learned the difference between regular and dual element fuses and safe methods to check open circuits and blown fuses. They learned how to prevent electrical accidents and what to do if they occur. They learned that proper lighting is more than providing a light source, and that fluorescent and mercury vapor lamps are efficient.

They learned how to select and care for electric motors; also how motor controls function. They studied magnetic starter switches and start-stop stations. They learned how to use soldering guns and power tools and how to replace worn cords, switches and outlets.

A new wrinkle was added for advanced members. They repaired portable electrical appliances which included radios, TVs, toasters, sanders, drills, and electric motors.

The 4-H members made test lights, extension cords, and test panels. They will display their electrical projects later this summer at the Hancock 4-H Show, July 14 to 17, and the Henderson County 4-H Fair, July 27 to 29.

WIEC PROVIDES awards to members who exhibit their projects.

It is hoped that some 4-H members will become interested in further training in electricity or engineering through trade schools, vocational training, short courses, colleges or universities.



Graduate to a flameless electric water heater. Incentive payments. 40 Gal. G.E.,

\$69.95

What's New?

● MiniGuard Lighting



A new 12-volt emergency lighting unit, known as the Exide Mini-Guard, was designed for low-cost protection by the Exide Power Systems Division of ESB Incorporated. The MG-2 unit will provide emergency light automatically and instantaneously when normal electric power is interrupted. An EMF-4 maintenance-free sealed lead-acid battery of low-cost calcium alloy requires no maintenance of any kind when properly connected to Mini-Guard's built-in solid state electric charger.

● Ice Water or Cubes



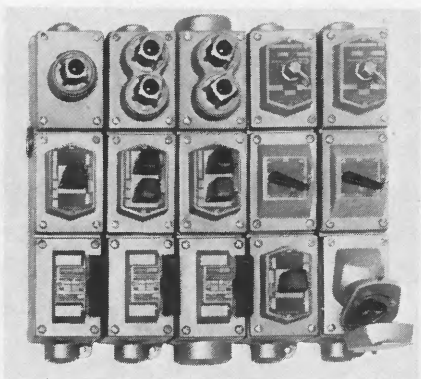
A new General Electric refrigerator offers a handy on-the-door dispenser which automatically delivers ice cubes or chilled water at a touch. Called the "Americana" the side-by-side unit has a capacity of 23.5 cu. ft. with the freezer holding up to 295 lbs. The unit is available with or without automatic icemakers.

● Electromatic Tray



A new Electromatic serving tray with two temperatures—one for keeping foods in cookware at serving temperature and one for warming finger foods on the serving tray—has been added to the Corning Ware line of products. With its specially designed cord that allows the homemaker to change the temperature simply by reversing the plug, the tray retails for \$24.95.

● Multi-Gang Control



Crouse-Hinds Company has announced modular bodies for assembly of multiple gang electrical control devices for use in hazardous areas. To allow for flexibility in construction planning, additions or rearrangements may be easily made on the job in any combination needed. Fifteen gangs are shown in the featured picture. Units may be ordered assembled as components.

Electricity Speeds Eggs To Market

(Continued from page 7)

is a monumental job and one that only electric service could accomplish with maximum efficiency."

Two wells, one on each end of the complex, supply the water needs of the area.

Shaffer said the need for mass production of eggs has been brought about by the phasing out of poultry and eggs by the nation's farmers. Egg farm automation also brings a better and fresher product to the nation's dining tables, he said.

While Iroquois Egg Farm is considered one of the biggest in the midwest, Shaffer said a 2 million chicken complex is producing in California and another 1½ million chicken farm is in operation at Humboldt, Iowa.

PRODUCTION MANAGER of the huge egg plant is a cheery young man, Jerry Morsch, on whose competent shoulders responsibility rests lightly.

"You should know," he observed, "that of our 38 employees, 17 are high school students working on a part-time basis.

"You should also know that they're wonderful youngsters. After working with them, I'm in no mood to hear spiteful criticism of the younger generation.

"These high school students virtually run our plant on week ends. They do a great job. They take responsibility well. They have initiative and good sense. And good brains.

"One of them, Wyona Peerbolte, recently won a \$4,000 college scholarship. Several are National Honor Society scholars. Fifteen of the 17 are girls. They're earning money, some of which will go to help pay college expenses when the time comes. They're also gaining broad experiences that develop maturity and that will benefit them in the years ahead."

Morsch paused, smiled thoughtfully to himself, then added: "If you think I'm extremely proud of these young people, you're quite right. But our older workers, all from this general area, are great people also."

Tachnick, Anderson, President Howard Taylor of the electric cooperative, other directors and other area leaders knew this all along.

mping

campground offers natural recreation. Having farmed the 160 acres for the past 50 years, they have found several Indian arrowheads and other artifacts as the area was once a home for Indian tribes. Considerable flint is still available.

In addition to roaming the grounds looking for various wildlife, campers can also look for mushrooms in season. The fishing lakes also provide additional activity. As special entertainment the Fergusons plan old-fashioned hayrides.

SUCH CAMPING facilities attract visitors as permanent campers. Already both the Harbaughs and Fergusons have some camping sites fully rented. A common practice with most campgrounds, permanent camping offers a guaranteed spot during crowded weekends, plus it saves wear and tear on the camping trailer.

And the rates for camping are also attractive, even though there may be a variance according to facilities and location.

"On a weekly basis our rate is \$10 a campsite with each unit being allowed two adults and up to three children," said Lois Ferguson.

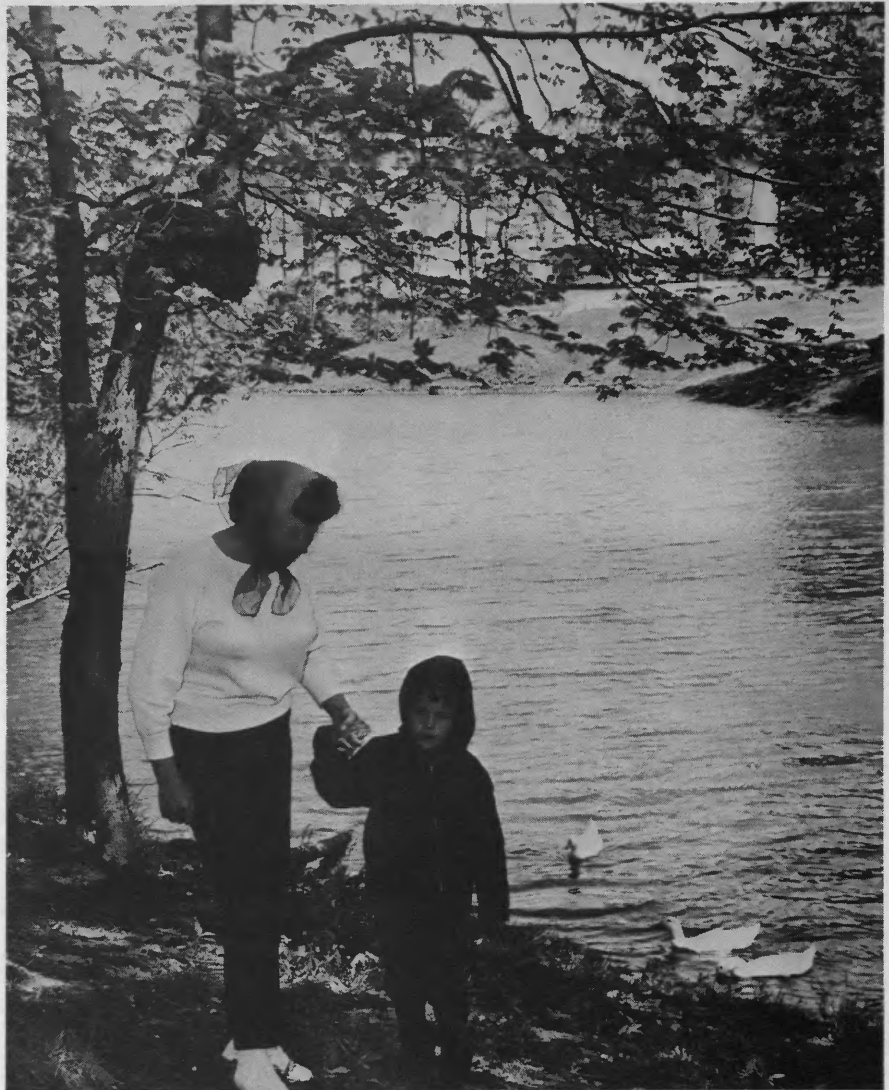
On a permanent basis a person can leave the camper for six months; on a daily basis the charge is \$2.50.

Each campground had permanent campers before they were officially opened. And the owners like this as it gives them a chance to personally know their customers.

ILLINOIS, a land of both rolling hills and sweeping prairies, freshwater streams, historical spots and countless scenic attractions, is building a new reputation for attracting campers through the efforts of people such as the Harbaughs and the Fergusons—and scores of other recreational developers.

A high percentage of these new developments are served by civic-minded electric cooperatives, intensely interested in helping build both the attractiveness and the prosperity of their areas.

As G. A. Beer, manager of Corn Belt Electric Cooperative, and leaders of other Illinois cooperatives have pointed out, these member-owned institutions are indeed "Good for All Illinois."



Rosemary Harbaugh and her son, Timmy, enjoy the freshness of the fishing lake.

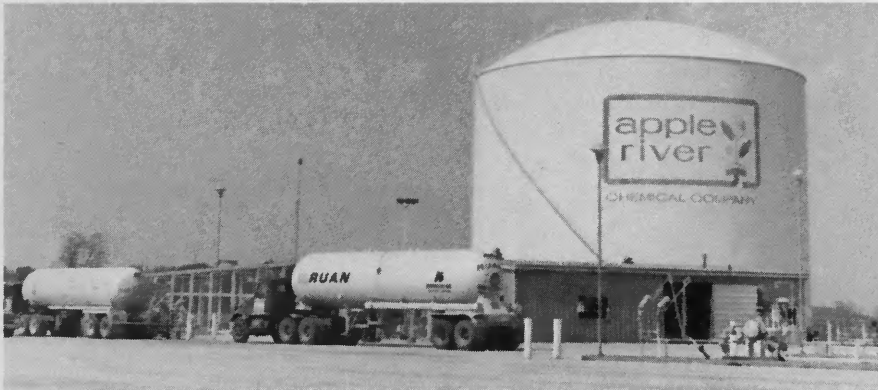
Joe Crosno, power use advisor for Corn Belt Electric Cooperative, with an electrical hook-up for individual campsites.



W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.



WOW! What a refrigerator!

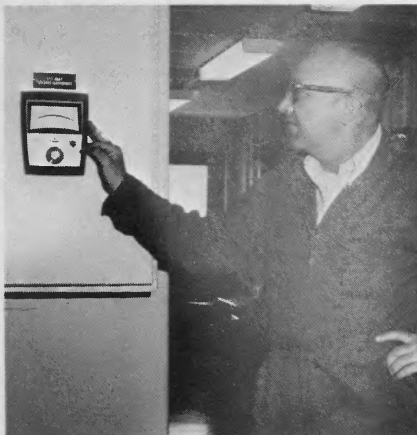
WIEC Serves Apple River Chemical

W.I.E.C. has recently started serving Apple River Chemical Company with three-phase power. Apple River and Midwest Nitrogen at Niota are subsidiaries of St. Paul Ammonia Products.

The plant was built in 1966. Anhydrous ammonia is brought in by barge in the fall from East Dubuque, Illinois, to fill the 30,000-ton-capacity tank. The tank is wrapped in 30 inches of Pearolite insulation with a 75 KW electric heater under the tank to prevent freezing.

Dean Jensen, manager of the plant, reports that most of his sales are during a three-week period and within a 100 mile radius. They have facilities to load a truck every 20 minutes requiring 75 HP pumps which deliver 550 gallons per minute under 275 lbs. pressure. This

Dean Jensen, manager, explained storage tank's temperature gauge.



convenience saves area farmers and independent dealers time and freight costs. Area farmers can get delivery when needed and barge transportation costs are less than by common carrier. Apple River Chemical Company sells wholesale to many independent dealers.

Jensen employs three part-time employees at Apple River and up to 15 men at Midwest Nitrogen. The employees must be acquainted with refrigeration principles as the tank acts similar to a giant refrigerator. Temperature is very critical and is controlled automatically with electric heaters and motors. The excess gas is siphoned out of the tanks automatically by pumps into a metal building where heat is removed. This turns the ammonia gas back to a liquid so it can be returned to the tank.

St. Paul Ammonia Products uses every safety precaution possible. Safety equipment includes automatic vents, vacuum breaker, hookup to telephone exchange, etc. Eyes and lungs are the most vulnerable parts of the human body. Employees must wear goggles, rubber gloves, hard hats, long-sleeve shirts, and keep their mouth shut when working with anhydrous ammonia. Like many other products, when handled correctly there is little danger. Handlers need to respect but not fear it.

Jensen suggests that farmers wear goggles, long-sleeve shirts, and gloves also. Have water readily available. If you do accidentally get some

Plan Now to Attend

Annual Members' Meeting

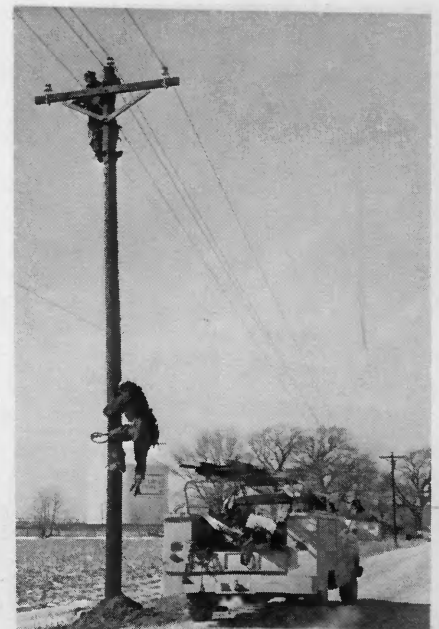
Thursday, August 5

All WIEC members are encouraged to attend the cooperative's annual meeting scheduled for Thursday, August 5. Place is the Hancock County 4-H Center in Carthage. Register early and be eligible for the "early bird" prize and other valuable prizes. The program will include a business meeting with reports from officers and election of directors.

on you, water is the best antidote. Keep an ample supply of water on the area for at least 15 minutes. If you spill it on a small area, hold a wet towel over the area. Anhydrous ammonia is hygroscopic and will go toward water.

Jensen says that one of their biggest problems is having enough equipment available to serve farmers when they need it and then having it idle most of the year.

WIEC lineman, Bill Knight and Harold Enzeroth, build three-phase line to the plant.



ILLINOIS RURAL ELECTRIC NEWS

Co-op Comments

by Lee Leonard

Who runs your electric cooperative? At first thought you might say the board of directors and manager. True, they are given major responsibilities as spelled out in the by-laws, but the ultimate responsibility rests with the members.

The board is elected by the members from among the membership. The board in turn hires a manager who is responsible for the day to day operation of the cooperative.

But the members still share responsibility and have certain obligations. A major obligation for the board and manager is to keep the members informed of the progress being made by the cooperative. This means that the members also



Lee Leonard
Manager

have an obligation to keep themselves informed about the cooperative—reading the annual report, WIEC News and Illinois Rural Electric News, for instance.

There is the additional member obligation of "taking part." This means attending the cooperative's annual meeting and other events. The more members become informed and involved in the affairs of their cooperative, the better the cooperative. Active, informed members ask questions and let their views be known to the directors and manager. Thus the cooperative manager is better able to conduct the business of the cooperative, not only according to the wishes of the board, but also more nearly according to the wishes of all the members.

But getting the members involved and interested is no easy task. For instance, getting good attendance at the annual meeting often takes much promotion along with the promise of prizes and entertainment.

I believe that increased member involvement is necessary if our electric cooperatives are to survive. And this means active, serious involvement in the truly important business affairs of the cooperatives.

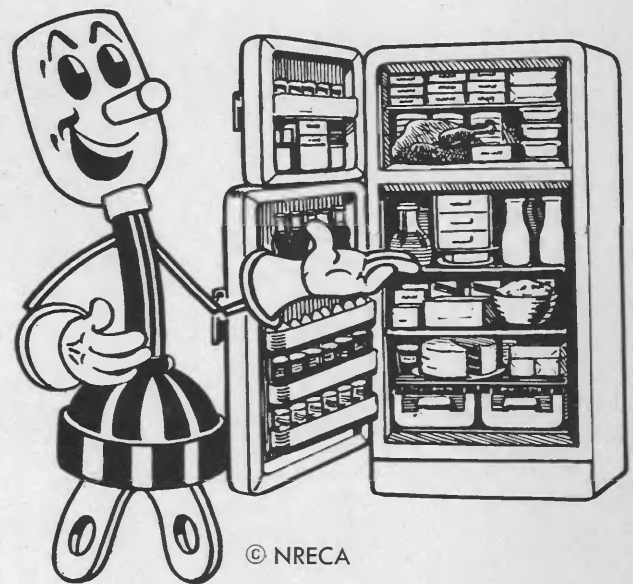
I urge all WIEC members to meet this obligation and attend the 1971 annual meeting on August 5.

WIEC's Bowling Team Wins Again



WIEC's bowling team did it again! With trophies and plaque, from left, are Dan Hudson, Robert Smith and James Russell. For the sixth year in the past eight, the team is champion of the Carthage Tuesday night Men's Bowling League. Other team members are Dan Harnetiaux, Keith Twaddle, Dan McCrory and Oral Lawrence. Congratulations!

*How
About
A
Little
Snack?*



© NRECA

How big a refrigerator do you need?

Consider your family. A rule of the thumb is four cubic feet of refrigerator space for two adults plus two cubic feet for each child, plus two feet for entertainment needs. Freezer requirements are more variable, ranging in urban areas from one-and-a-half to four cubic feet per family to five or six cubic feet in rural areas.

You'll need more space if you are a working wife who shops infrequently and likes to prepare meals ahead of time. The same is true if you grow food or like to buy and freeze when seasonal items are cheap and plentiful.

What's New?

• New Line Guaranteed

A new consumer product line by Corning Glass Works has a replacement policy if items should break, craze, chip or stain during two years of normal everyday use. The promise is made on Corelle Livingware, the packaging of which received the grand award for housewares packaging recently in New York City. Corning has also provided simplified promises for its cookware, Pyrex brand oven and rangetop ware, Centura tableware and its major appliances.



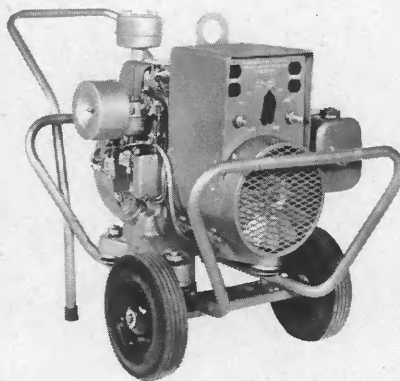
• Double-edged Blades

Twin reciprocating blades on a new double-insulated hedge trimmer by Skil Corporation give the operator twice the cutting power. The trimmer with its double-edged blades permits a return pass on troublesome hedges and has a balanced top handle to reduce fatigue. The one-fourth h.p. motor produces 1800 strokes per minute and is electrically-operated with a two-pronged plug.



• Welder with Generator

A compact portable welder from Twentieth Century Manufacturing has versatility keynotes. It operates all AC welding rods (including low hydrogen) and can run a TIG aluminum welding attachment. It's equipped with a rugged 12 h.p. four cycle, 30 cubic inch gas engine and has a standby electric generator that produces 5,000 watts of 120/240 volts.



• Home Supermarket

A capacity of 683 pounds of frozen food is one advantage of the 19.5 cubic foot upright freezer from Sears, Roebuck and Company. It permits the homemaker to preplan and precook large meals, reduces trips to the grocery and permits savings through stocking of sale-priced meats and foods. Freezer living is the basis of a new lifestyle that is evolving in the modern kitchens of America.



Farm Vote—

(Continued from page 7)

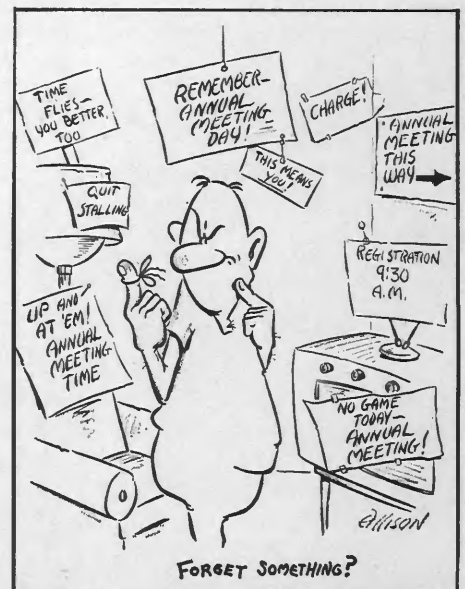
defeated his Democratic opponent with 63.2 percent of the votes. Four years later he was defeated by Robert Bergland, who carried the five select rural counties by an average of 66.3 percent.

NEBRASKA, Senate—Although he carried three of the five select agricultural counties, Senator Roman Hruska's percentage of the vote in each was considerably reduced from that recorded by the Republican candidate four years earlier. The percentage decline sustained by the Republican candidates from 1966 to 1970 averaged 10.7 percent in the five select counties, or 3.7 percent more than the statewide decline.

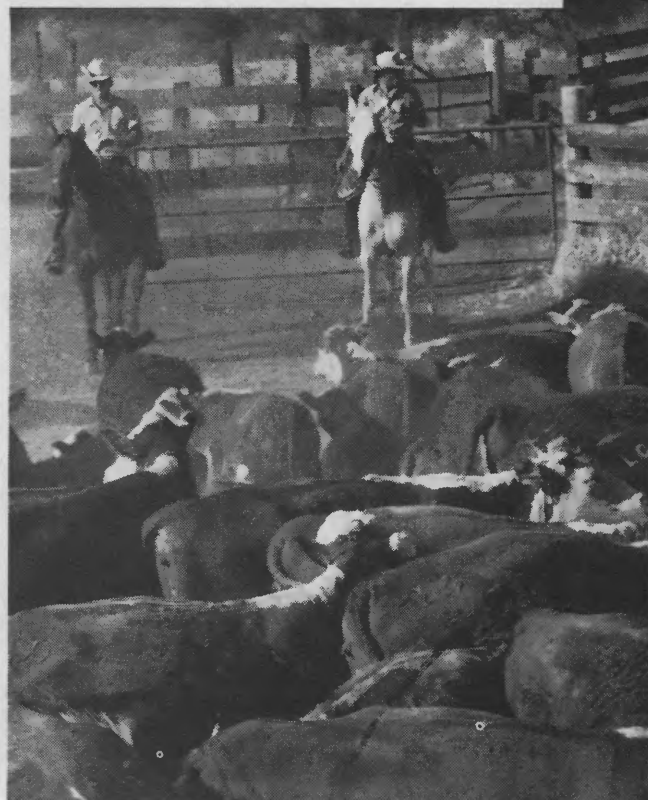
WISCONSIN, First District—Totals for incumbent Republican Henry Schadeberg declined an average of 12.4 percent in the four relatively urban counties contained in this district.

NORTH DAKOTA, Second District — Representative Thomas Kleppe gave up his seat in the House to run for the Senate in 1970. On a district-wide basis, Republicans suffered a net loss of 2.2 percent as the seat went to Democrat Arthur Link. More than a third of the winning margin can be found in the five select agricultural counties.

SOUTH DAKOTA, Second District—The Republican percentage of the vote in 1966 was reduced in 1970 in each of the select agricultural counties by more than 15 percent.



Introducing the All New Farmers and Ranchers Golden Eagle Plan



NOW! All the basic benefits that have made All American's Farmer/Rancher Plan a favorite — PLUS many extra benefits — are being offered in the NEW GOLDEN EAGLE PLAN.

Highlights of the new plan, designed exclusively for Farmers and Ranchers:

GUARANTEED INCOME — when you need it most • Lifetime Sickness Benefits • Lifetime Accident Benefits • Additional Benefits when hospitalized • Accidental Death and Disability Benefits, doubled for Farm/Ranch Motor Implement Accidents.

National Safety Council reports 600,000 disabling injuries every year among Farmers and Ranchers. The impact of disability on the family is tragic — at times almost insurmountable.

Farmers and Ranchers must have continuing income to meet expenses. Sudden disability from

sickness or accident can create financial disaster and possible bankruptcy. Protect yourself and family with the GOLDEN EAGLE PLAN — Tax-free income — Guaranteed Renewable to age 67.

Ask the All American representative in your locality for information or mail coupon below.

All American Life & Casualty Company
8501 West Higgins Road
Chicago, Illinois 60631

I would like to know more about the NEW Farmers/Ranchers Golden Eagle Plan designed to protect my income—even for life.

Name _____

Address _____

Town _____ State _____ County _____

Also, tell me how I can add my sons to this plan!

ALL AMERICAN LIFE & CASUALTY COMPANY

W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.

Area Men Start Fish Farm



Warsaw has a fish farm.

Within a few years, the catfish on your dinner plate may not have been caught by a hook, line, and sinker. The fish may have lived its entire life in a huge tank, along side hundreds of other catfish raised indoors in an environmentally-controlled atmosphere.

Marvin Hall, University of Illinois area agricultural engineer, became interested in the idea five years ago. He experimented with a tank of fish located in a closet adjacent to his office.

After talking over the idea with Paul Fornell of Warsaw, they decided to pursue the idea further. They converted the old Warsaw

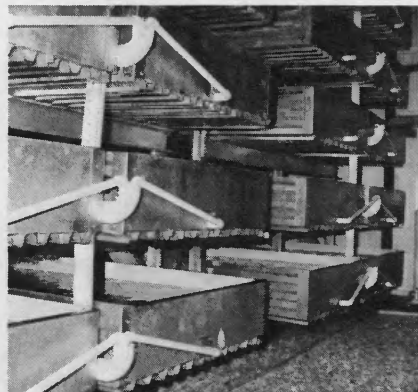
Hotel and blacksmith shop into a fish barn where they raised a number of fish in a relatively controlled environment.

Soon the pair began thinking about a fish barn built to specifications and selected their present location as the building site. The site is on the east edge of Warsaw. The "Fish Barn" contains 40 tanks of fish. The controlled water temperature permits fish production year round. A water cleaning and recirculation system using electric motors and pumps limits water supply requirements, avoids pollution problems and reduces heating costs. Electric fans are incorporated into the solar heating system.

The operation is believed to be the only one of its kind in the world. Now the men hope to go into a business of helping others get into the business of indoor fish production. They propose to sell fish tanks and to act as consultants to enterprising individuals. They are already selling fish to the public and plan to produce at least 40,000 pounds of fish per year at Warsaw.



Grant Bretzlloff, general manager of the Warsaw fish farm, displays a two-and-one-half pound catfish.



Steel tanks are stacked five high and are supplied with fresh water for the fish.

CO-OP COMMENTS

by Lee Leonard

I hope you will set aside the evening of Thursday, August 5, to attend WIEC's 32nd annual meeting. As in the past years, it will be held in the Hancock County 4-H building in Carthage.

The board of directors join me in urging you to attend the annual meeting and exercise your right to participate in the affairs of your member-owned business. The strength of your cooperative lies in your attendance



Lee Leonard
Manager

and participation. Please come and help keep your cooperative strong.

The job of rural electrification is far from finished and we should all do our part in supporting our cooperative—the cooperative that helped bring the rural area out of darkness. Rural people created WIEC to provide themselves with electricity and in doing so have improved the financial stability of the entire community.

Registration for the annual meeting will begin at 6:30 p.m. with the meeting being called to order at 7:30 p.m. Members registered and in attendance when the meeting is called to order will be eligible for the "Early Bird" prize.

In addition to hearing brief reports from officers and the manager you will have the opportunity to participate in the election of directors and other affairs of your business. Directors whose terms expire this year are Wendell DeMoss and Harold Massie. Your annual meeting notice includes a financial statement, annual meeting specials, and a brief report outlining the progress of your cooperative during the past year.

Partee Is Speaker

Senator Cecil A. Partee, President Pro Tempore of the Illinois Senate, will be the guest speaker at the cooperative's annual meeting on August 5.

Senator Partee was born in rural Arkansas, graduated from Tennessee A. & I. State University at Nashville and later from the highly-rated Northwestern University School of Law. He is engaged in private practice in Chicago.

*So Proudly
We Hail*



"I'm a veteran and we're proud to be Americans," says Grover Meeker, WIEC member.

Flags are being raised at an unmatched pace throughout the United States.

Time was when the flag was "public property," flown only over government buildings, political conventions, Fourth of July rallies and America's schools. A smattering of home owners had flags to fly on the Fourth and on other national holidays—when they could remember the dates.

Recently Americans have taken Old Glory into their hearts and onto their properties in such numbers that flag manufacturers are hard pressed to keep up with the demand. WHY?

Many people are tired of the dissenters, of their burning and looting and the use of the flag for everything from tents to beach towels.

ANNUAL MEETING

Western Illinois
Electrical Coop.

AUGUST 5, 1971

Hancock County 4-H Building

6:30 P.M.

Early Bird Prize

Business Session

Reports

Entertainment

How can anyone who believes in Boy Scouts, apple pie, cooperatives, and motherhood not fly the flag?

Many are flying the flag daily instead of only "holidays." Protest and patriotism. These are the reasons a few Americans give for daily display of the flag. Protest against those who see the problems of the nation only in extremes of black and white . . . and a type of qualified patriotism, love, defense and support for their country in its time of trouble.

Yet one senses that they are not so much raising the flag each day, as they are symbolically lifting high their hopes. The hope that somehow, and in some way, in spite of the social and economical problems, in spite of the unpopular war, in spite of age and youth and "isms" and schisms, this nation shall endure.

One cooperative member, Grover Meeker of Warsaw, who believes in the regular display of the flag, has noted that more and more of his neighbors are following this practice. This looks mighty nice to him. People passing a home displaying the flag tend to feel a little better, he says. It gives them a "good" feeling. And their day can go better because of it.

COMMAND MODULE



The plug on the end of an electric cord really is a module . . . a functional assembly for use with another assembly, the electrical outlet. Plug in . . . and there you have it. At your command. Workable, dependable, controllable, serviceable, Electric Power. Low in cost. High in performance. Electric Power with a sort of "out-of-this-world" magic aura about it. With a switch flip, knob twist, or button push, it surges into action for you in a great machine or a tiny appliance.

There are many more things Electric Power can do for you around your place right now. See us for ideas. Our powerful product is at your command.

**Over
\$5,000 in prizes
awarded monthly**



Draw "Winky"

Let "Winky" help you test your talent. You may win one of five \$795.00 Commercial Art Scholarships or any one of one hundred \$10.00 cash prizes!

Draw "Winky" any size except like a tracing. Use pencil. Every qualified entrant receives a free professional estimate of his art talent.

Scholarship winners get the complete home study course in commercial art taught by Art Instruction Schools, Inc., one of America's leading home study art schools.

Try for an art scholarship in advertising art, illustrating, cartooning and painting. Your entry will be judged in the month received but not later than August 31, 1971. Prizes awarded for best drawings of various subjects received from qualified entrants age 14 and over. One \$25 cash award for the best drawing from entrants age 12 and 13. No drawings can be returned. Our students and professional artists not eligible. Contest winners will be notified. Send your entry today.

MAIL THIS COUPON TO ENTER CONTEST

ART INSTRUCTION SCHOOLS, INC.

Studio 1L-4410

500 South Fourth Street, Minneapolis, Minn. 55415

Please enter my drawing in your
monthly contest.

(PLEASE PRINT)

Name _____

Occupation _____ Age _____

Address _____ Apt. _____

City _____ State _____

County _____ Zip _____

Telephone Number _____

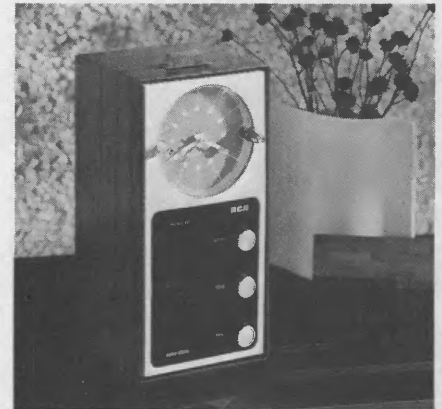
Accredited by the Accrediting Commission
of the National Home Study Council.



What's New?

• "Tower-Ful" Item

RCA's "Tower-Ful" clock radio is designed for a minimum space, measuring just a four and half inch square and nine and a half inches high. The FM/AM unit has wake to music or a buzzer alarm. A sleep switch turns the radio off at a pre-determined time. Hard to awaken sleepers can take advantage of its drowse alarm feature. The optional retail price of the clock-radio is \$49.95.



• Combination Unit

The Kenmore "Washer 'n Dryer" combination from Sears has seven washing cycles and provides safe drying temperatures for all fabrics, including an "air tumble cycle" for sheer items. It shuts off automatically. It is designed for apartments or homes with space limitations and eliminates transferring wet laundry to a dryer. Retail prices range from \$399 to \$519, depending on model selected.



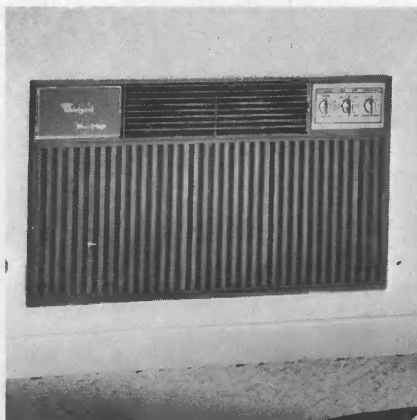
• Microwave Oven

A new portable electronic oven by Admiral utilizes microwave energy and supplements present day conventional ranges. A six pound roast beef can be ready to serve in 30 minutes instead of the normally four hour cooking. Features of the \$450 115-volts oven are precision timer, protective door latch and a see-through door window and screen.



• Therm-O-Wall Variety

Whirlpool's Therm-O-Wall units provide a variety of combinations in cooling and heating. With a compact design some models will fit flush when placed in any standard 14 inch concrete block and brick commercial wall. Comfort Guard control gives ideal temperature control and eliminates coil ice up. BTU ratings range from 8,500 to 13,500, depending on model.



health reasons—and we guarantee that we will never cancel, modify or terminate your policy or change your rates unless we do so on all policies of this type in your *entire* state or until the maximum (Aggregate of Benefits) of your policy has been paid to you. Of course, you may have only one like policy with Physicians Mutual.

Enroll For Only \$1

Regardless of your age, the size of your family, or the plan you select, you get your first month for only \$1.00. If you choose the All-Family Plan—all your eligible children (including future additions) are included at *no extra cost*. (See box at left for low rates.)

Surprisingly Low Cost

How can a hospital plan offer so much for so little? Because we have *lower* total sales costs. This is a *mass enrollment plan*. All business is conducted between you and the company by mail. *No salesmen will call*. It all adds up to *real savings* we share with you by giving you *high-quality* protection at *low cost*.

**Offered By Physicians Mutual
"The Doctors Company"!**

Your policy is backed by the resources, integrity and reputation of the *Physicians Mutual Insurance Company*, "the doctors company," specializing in health and accident protection for physicians, surgeons and dentists for more than 69 years. Dunne's Insurance Reports, one of the leading insurance industry authorities in the nation, gives Physicians Mutual its highest policyholders' rating of "A Plus (Excellent)." Serving over 600,000 policyholders in the U. S. direct-by-mail, Physicians Mutual has its headquarters in Omaha, Nebraska, and is licensed to do business in your state. Its Board of Directors is composed *entirely* of respected members of the medical and insurance professions.

Easy To Enroll!

No Salesman Will Call!

During this limited offer there are no qualifications other than to complete and mail the Enrollment Form below. We will issue your Doctors Hospital Policy (Form P322 Series) *immediately*—the same day we receive your form. This automatically puts your policy in force. With your policy you will receive a simple, easy-to-use Claim Form. When you need your benefits, you can be sure that your claim will be handled promptly.

Protect Your Family—Enroll Now.

Your \$1 Back If Not Satisfied

Take a moment now to fill out your Enrollment Form and mail it with only \$1.00 for your first month. If for any reason you change your mind you *may return your policy within 10 days and we will promptly refund your dollar*. **IMPORTANT:** We can only accept your enrollment if it is postmarked on or before the date shown at right. Mail to:

**PHYSICIANS MUTUAL
INSURANCE COMPANY**
115 South 42nd Street
OMAHA, NEBRASKA 68131

13 Important Questions Answered

1. How much can I be paid?

Each plan has its own "Aggregate of Benefits," or maximum.

Under the *Individual Plan*, the maximum is \$5,000—\$428.40 monthly (\$14.28 daily) when you are hospitalized.

Under the *Husband-Wife Plan*, the maximum is \$7,500—\$428.40 monthly (\$14.28 daily) when you are hospitalized; \$321.30 monthly (\$10.71 daily) when your wife is hospitalized.

Under the *All-Family Plan*, the maximum is \$10,000—\$428.40 monthly (\$14.28 daily) when you are hospitalized; \$321.30 monthly (\$10.71 daily) when your wife is hospitalized; \$214.20 monthly (\$7.14 daily) for each eligible child hospitalized.

Under the *One-Parent Family Plan*, the maximum is \$7,500—\$428.40 monthly (\$14.28 daily) when you are hospitalized; \$214.20 (\$7.14 daily) for each eligible child hospitalized.

2. When do my benefits begin?

On *all* plans, your cash benefits are paid from the very first day of covered hospital confinement, for as long—and for as many times—as you are hospitalized, up to the maximum (Aggregate of Benefits) of the plan you choose.

3. Can I collect even if I carry other health insurance?

Yes, The Doctors Hospital Plan pays you in addition to any health insurance you carry, whether individual or group—even in addition to Medicare! And all your benefits are tax-free! Of course, you may have only one like policy with Physicians Mutual.

4. Are there any other benefits?

Yes. You receive a 50% increase in cash benefits if you or any covered family member is hospitalized for cancer (including

Leukemia and Hodgkin's Disease), heart attack (acute myocardial infarction, coronary thrombosis and coronary occlusion), or stroke (apoplexy).

5. What are the "double" cash benefits?

If you and your wife are both injured and hospitalized at the same time and have the ALL-FAMILY or HUSBAND-WIFE PLAN, you get *twice the amount*—\$1,499.40 A MONTH!

6. Can I go to any hospital?

You will be covered in any lawfully operated hospital except: nursing homes; convalescent, extended-care, or self-care units of hospitals; or Federal hospitals.

7. When does my policy go into force?

The very same day we receive your Enrollment Form. New accidents are covered on that date. After your policy is 30 days old, new sicknesses which begin thereafter are covered. Under the ALL-FAMILY PLAN and the HUSBAND-WIFE PLAN, childbirth or pregnancy or any consequence thereof is covered after your policy is in force for 10 months.

8. What if someone in my family has had a health problem that may occur again?

Even if one of your covered family members has suffered from chronic ailments in the past, pre-existing conditions are covered after the policy has been in force for one year.

9. What conditions aren't covered?

Only these minimum necessary exceptions: pregnancy or any consequence thereof (unless you have the ALL-FAMILY PLAN or the HUSBAND-WIFE PLAN), war, military service, mental disorder,

alcoholism or drug addiction, or if something happens "on the job" and is covered by Workmen's Compensation or Employers Liability Laws.

10. Can you drop me?

We will never cancel or refuse to renew your policy for health reasons—for as long as you live and continue to pay your premiums. We guarantee that we will never cancel, modify or terminate your policy or change your rates unless we do so on all policies of this type in your *entire* state or until the maximum (Aggregate of Benefits) of your policy has been paid. You, of course, can drop your policy on any renewal date.

11. How do I claim my cash benefits?

With your policy, you will receive a *simple, easy-to-use Claim Form*, which you send directly to the company when you want to claim your cash benefits.

12. How much does my first month cost?

Only \$1.00, regardless of your age, the size of your family or the plan you select. After the first month, if you are under 65, you pay only these low monthly rates: only \$3.95 a month for the *Individual Plan*; only \$6.45 a month for the *Husband-Wife Plan*; only \$7.95 a month for the *All-Family Plan*; only \$5.95 a month for the *One-Parent Family Plan*. (When you are over 65, premiums increase. See modest increase in box on preceding page.)

13. Why should I enroll now?

An unexpected sickness or accident could strike without warning—and you will not be covered until your policy is in force. Remember, if for any reason you change your mind, you may return your policy within 10 days and your \$1.00 will be refunded immediately.

LICENSED BY THE STATE OF ILLINOIS

ENROLLMENT EXPIRES SEPT. 11, 1971

The Doctors Hospital Plan

LIMITED ENROLLMENT FORM NO. 5822

INSURED'S NAME _____
(Please Print) First Middle Initial Last

ADDRESS _____
Street

City _____ State _____ Zip No. _____

AGE:	
SEX:	<input type="checkbox"/> Male <input type="checkbox"/> Female
DATE OF BIRTH	
Month	Day Year

SELECT PLAN DESIRED:

Check one only

- INDIVIDUAL-PLAN 4
- Husband-Wife-Plan 3
- All Family-Plan 1
- One Parent Family-Plan 2

If All-Family or Husband-Wife Plan is selected, give following information on wife:

Wife's First Name	Middle Initial
DATE OF BIRTH:	
Month	Day Year

I have enclosed my first monthly premium of \$1.00 and hereby apply to Physicians Mutual Insurance Company, Omaha, Nebraska, for The Doctors Hospital Policy, Form P322 Series and Plan thereunder as selected above. I understand the policy is not in force until actually issued.

Date _____ Signed **X** _____

Form E-322

Insured's Signature. Sign—do not print.

PHYSICIANS MUTUAL INSURANCE COMPANY
115 SOUTH 42nd STREET, OMAHA, NEBRASKA 68131
Make check or money order payable to Physicians Mutual

W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.

CO-OP COMMENTS

by Lee Leonard

Water Is a Must

Clean, fresh and always available water is a must for rural farms and homes. If your water comes from wells, your water system is one of the most important pieces of equipment in your home. Washers, water heaters, dishwashers, disposals, sprinklers, bathrooms, fire protection equipment, waterers, all need an adequate supply of water. You need water for cleaning, cooking, and personal hygiene.

The demand for water is growing across America. As your family grows and as the number of water-using appliances increases in your home or on your farm, your personal water needs increase.

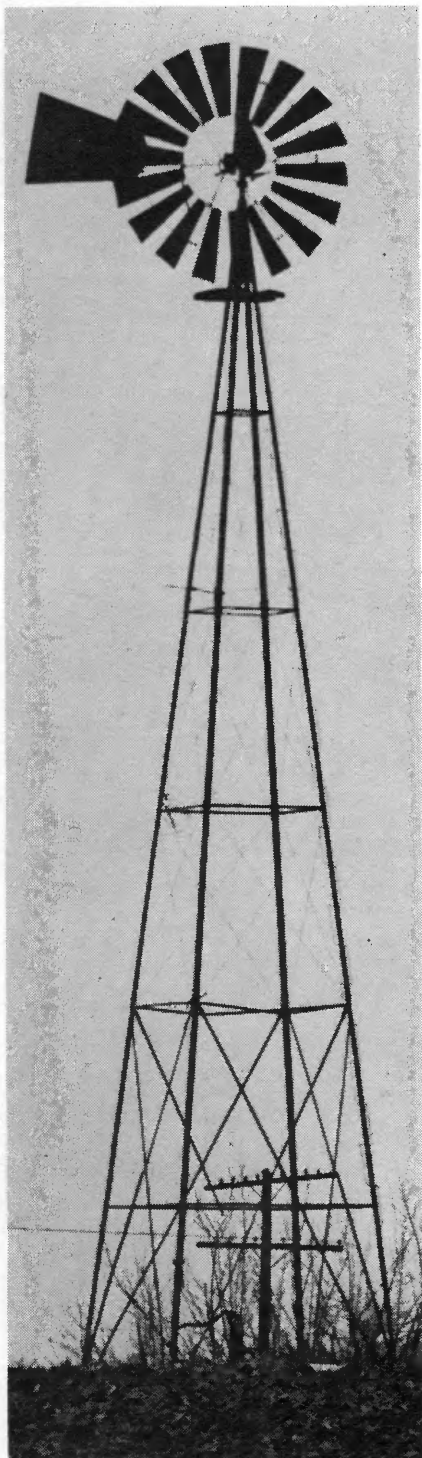
Now is the time to check to determine whether your water supply is adequate and whether your water system will continue to serve you effectively. Your old pump may not be able to handle the increased demand. It may be time to install a new and larger pump.

If your pump is not providing an adequate supply of water, the next step is to consult a reputable pump dealer who can assess your system and offer sound advice.

Are you sure your well is safe? Research shows a definite relationship between the convenience of running water and the absence of disease. A U.S. Public Health survey shows that over six out of ten rural wells are contaminated. Polluted water can look safe, smell safe, and taste delicious—yet it could be as dangerous as a drink of poison.

If you haven't had your well water tested lately, stop at your local Extension Service and ask them the procedure to secure a free water test.

To be absolutely sure your water will stay germ and bacteria free, purchase the most economical health insurance available—a closed-pressure electric water system.



The windmill did a job in the past but had many drawbacks. Electricity has replaced it with a more dependable and sanitary water system.

This is such a heart warming letter, we would like to share it with all of you:

Dear First-grade teachers:

My son starts school tomorrow. It's going to be strange and new to him for a while. And I wish you would sort of treat him gently. You see, up to now, he's been king of the roost. He's been boss of the backyard. I have always been around to repair his wounds, and to soothe his feelings. But now—things are going to be different.

This morning, he's going to walk down the front steps, wave his hand,



Lee Leonard
Manager

and start on his great adventure that will probably include wars and tragedy and sorrow. To live his life in the world he has to live in will require faith and love and courage. So,

World, I wish you would sort of take him by his young hand and teach him the things he will have to know. Teach him—but gently, if you can.

Teach him that for every scoundrel there is a hero; that for every crooked politician there is a dedicated leader; that for every enemy there is a friend. Teach him the wonders of books. Give him quiet time to ponder the eternal mystery of birds in the sky, bees in the sun, and flowers on the green hill. Teach him that it is far more honorable to fail than to cheat. Teach him to have faith in his own ideas, even if everyone else tells him they are wrong . . . Teach him to sell his brawn and brains to the highest bidder, but never to put a price on his heart and soul. Teach him to close his ears to a howling mob—and to stand and fight if he thinks he's right.

Teach him gently, World, but don't coddle him, because only the test of fire makes fine steel. This is a big order, World, but see what you can do. He's such a nice little fellow.

His Mother

ILLINOIS RURAL ELECTRIC NEWS

Do-It-Yourself Shop Saves

Richard Merritt, his wife, Lucile, and their two children—Marlena and Tim—farm 320 acres about four miles north of Carthage. Merritt says he has a shop to save time and money. It makes repairing machinery easier and saves running into town for professional assistance. Merritt is mechanically inclined, enjoys working with his hands and gets satisfaction from a repair or construction job well done.

There are two kinds of farm shops—one that just grows along with the need and one that is a planned part of a new building. Merritt's shop is the later kind. The farm shop is a part of a larger machine shed. The shop is well insulated for efficient heating in the winter and air conditioning in summer. For overhauling engines it is well to drive to the rear of the shop so the vehicle won't be in the way when doing

other tasks. Therefore the two hoists and blocks are in the rear of the shop. Many machines are big and awkward to get into a shop for minor repairs so the welder will be located near the door.

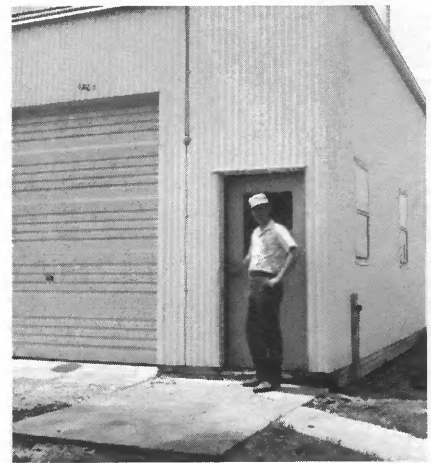
Merritt says the vise is his most used piece of equipment. He recommends the purchase of a good one and fastening it securely. He uses it for shaping metal, a press and various uses. Equipment in the shop includes an air compressor, grinder, table saw and two hoists. The electrical wiring is ready for a drill press, welder and a better grinder he plans to purchase. Merritt has most sizes of bolts, washers, burrs and nails on hand.

Merritt says the shop is so comfortable to work in that his brother Marvin and his nephew, Don, often use it rather than their own. He and his brother once manufactured disc and rotary hoe transports. At present they are custom building trailers.

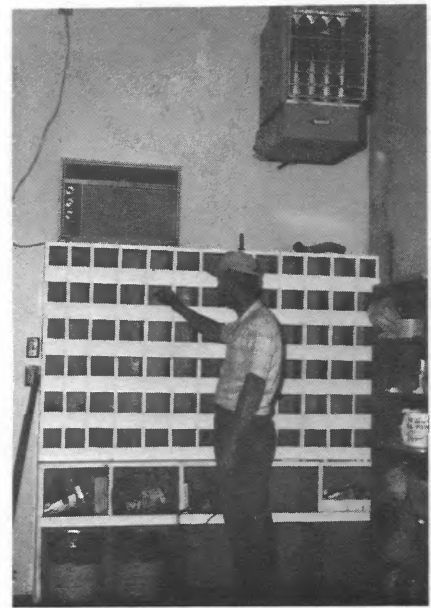
Merritt's farm shop was once their home. In the transition of tearing down their old house and building their new one, they used the space for a home. A work bench now covers the area once occupied by a sink, electric water heater and washer. Gone also is the table, bed and colored TV. However, the 24,000 BTU electric air conditioner and phone remain.

Whether you have a small fortune or just a few "spare dollars" earmarked for your annual shop budget, planning will pay big dividends.

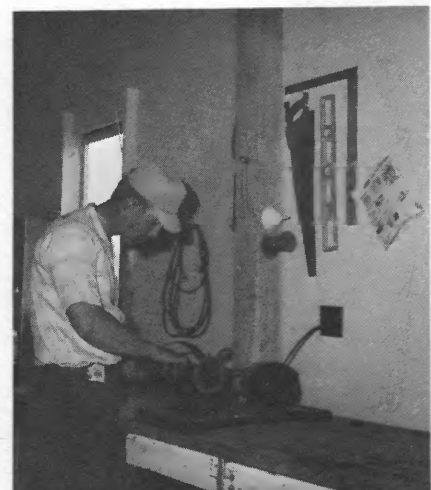
The vise is the shop tool that is used most.



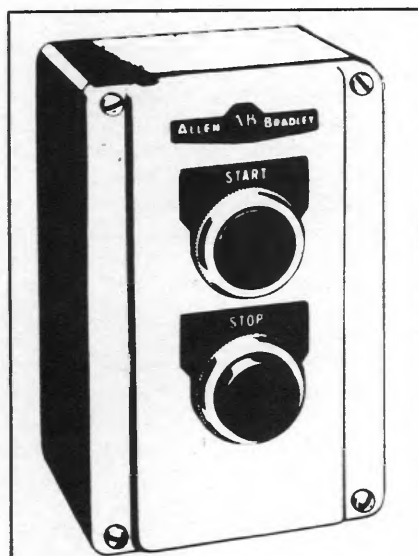
Richard Merritt likes his farm shop which saves him time and money when making machinery repairs.



Merritt's shop contains most sizes of bolts, burrs, washers and nails.



Electricity makes repairs easier.



Go ahead.

USE IT to start up your irrigation system, crop dryer, grinder-mixer, or soybean processor.

Saves time for you, for those who work with you.

Almost unlimited horsepower at the touch of a button. And each electric motor has just one moving part.

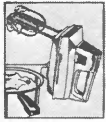
Go ahead. As an executive, you deserve a few pushbuttons.

Do *MORE* with electricity . . . it requires *LESS* of you.

What's New?

• Low-Profile Stereo

A home stereo system by Westinghouse features a low-profile tuner amplifier with a full-sized four-speed turntable built into its upper deck. Rotary controls include volume, balance, bass, treble and selector switch for AM, FM, FM stereo, phono and tape positions. It retails from \$200 to \$270, depending on system selected.



• Stand-Type Mixmaster

The new stand-type Mixmaster by Sunbeam's Vista Division has 12 speed guide settings, deluxe bowl shift lever, a removable cord and a closed safety-grip handle. Designed for stand or hand-held use, it retails for \$29.94. The mixer features a governor-controlled motor with infinite speed dial. It has a convenient heel rest on the handle and is styled in avocado and wood-grain finish.

• Automatic Timers

The Toastmaster Division of McGraw-Edison Company has introduced its line of timers for lamps and appliances. Most can be set for a time cycle from 30 minutes to 23½ hours. All models repeat the present time schedule every 24 hours without resetting and each has a control for automatic or manual operation. Prices range from \$7 to \$14 according to model selected.



• Blender Also Cooks

Ronson Corporation has a multi-purpose blender that cooks. Its positive contact heat sensing probe assures the accuracy of Cook 'N' Stir's thermostatically controlled temperatures up to 375 degrees throughout its 10 push button speed settings. It'll even pop corn. In the blend range it purees vegetables without pre-slicing or pre-dicing. Priced at \$89.95, the blender will boil and whip potatoes to snowflake fluffiness. Its advanced engineering permits certain meals to be served without the use of additional pots or pans.



More Power For Indiana Cooperatives

Return of the Hoosier generation and transmission project to the Indiana Statewide Rural Electric Cooperative has "opened the way to far-reaching benefits for everyone involved," a high Rural Electrification official said recently in Indianapolis.

Everett C. Weitzell, deputy REA administrator, said REA took title to the Hoosier Energy system by mutual agreement in December, 1968 and directed its operation. This came after the Indiana Supreme Court held that the Indiana Statewide system needed a certificate of convenience and necessity in order to operate the facilities it had built through an REA loan.

THIS CERTIFICATE was granted by the Indiana Public Service Commission last June 25. Three days later Hoosier Energy was returned to the Indiana Statewide Rural Electric Cooperative.

Clearing the way for the title transfer was a March 9 agreement between Indiana Statewide, the Public Service Company of Indiana and the Southern Indiana Gas and Electric Company.

Weitzell said this agreement "recognizes Hoosier Energy as power supplier for all its 17 member distribution cooperatives, serving some 95,000 consumers in a 47-county area of southern Indiana.

"THE AGREEMENT, together with the certificate Hoosier has now received, removed the cloud which existed over Hoosier's right to own and operate its existing generation and transmission facilities for the benefit of its cooperatives."

"Beyond this," Weitzell continued, "this agreement should result in a more reliable power supply for Hoosier members . . . Our engineers tell us that the interconnection arrangement between Hoosier and the two power companies will improve the transmission voltage reliability and strengthen service reliability for all parties of the agreement."

Weitzell said settlement of the Hoosier dispute would strengthen the entire national rural electrification program. REA, he added, has been proud of its remarkable record of lending more than \$7 billion to nearly 1,100 borrowers in 35 years.

NURSERY STOCK SALE!

WE HAVE OVER 350 VARIETIES TO CHOOSE FROM

Planting Instructions included in each order. Every plant will be labeled. Order by mail.

Rose Bushes: 2 Yr. Field grown blooming size bushes. All monthly bloomers in these varieties. \$49 each

REDS	Red Radiance Barter Times Crimson Glory Poinsettia Mirandy	TWO TONES	President Hoover Barry Uprichard Edith N. Perkins Contrafist Condesa de Sastago	CLIMBERS	Cl. Blaze Red Cl. Red Tallman Cl. Golden Charm Cl. Pink Radiance Cl. White Am. Beauty	Eclipse Golden Charm Peace Lusburg Golden Dawn	YELLOWS	PINKS	Pink Radiance The Doctor Columbia Picture K. T. Marshall	WHITES	K. A. Victoria Celestina K. Louise Rex Anderson White Am. Beauty
		EACH	FOR								
FLOWERING SHRUBS—1 or 2 Years Old											
	Crepe Myrtle—Red, Purple, Pink, 1 to 2 ft.	69	2.98								
	Spiraea Van Houttei—White, 1 to 2 ft.	29	.95								
	Spiraea Reensiana, 1 to 2 ft.	29	.95								
	Weigela—Red or Yellow, 1 to 2 ft.	29	.95								
	Weigela—Var. or Pink, 1 to 2 ft.	29	.95								
	Althea—Red or Purple, 1 to 2 ft.	29	.99								
	Althea—Pink or White, 1 to 2 ft.	29	.99								
	Forzythia—Yellow, 1 to 2 ft.	29	.99								
	Pink Spirea, 1 to 2 ft.	29	.99								
	Pink Flowering Almond, 1 to 2 ft.	59	2.49								
	Tamarix—Pink, 1 to 2 ft.	29	.99								
	Bush Honeysuckle—Red, Pink, 1 to 2 ft.	29	.99								
	Red Flowering Quince, 1 to 2 ft.	29	1.39								
	White Flowering Quince, 1 to 2 ft.	29	.99								
	Persian Lilac—Purple, 1 to 2 ft.	39	1.79								
	Old Fashion Lilac—1 to 2 ft.	49	1.98								
	Bridal Wreath Spirea, 1 to 2 ft.	49	1.98								
	Hydrangea P. G., 1 to 2 ft.	29	.99								
	Dauria—Pink 1 to 2 ft.	29	.99								
	Mockorange—White, 1 to 2 ft.	29	.99								
	Sweet Shrub, 1 to 2 ft.	29	.99								
	Rose of Sharon, 1 to 2 ft.	29	.99								
	Red Dzier Dogwood, 1 to 2 ft.	29	.99								
	Pussy Willow, 1 to 2 ft.	29	.99								
	Pussy Willow, 4 to 6 ft.	29	.99								
	Russian Olive, 1 to 2 ft.	39	1.79								
	Russian Olive, 2 to 3 ft.	89	3.98								
	Red Barberry, 1 to 2 ft.	49	1.98								
	Jap Snowball, 1 to 2 ft.	49	1.98								
	Red Snowberry, 1 to 2 ft.	29	.99								
	White Snowberry, 1 to 2 ft.	29	.99								
	Spiraea, Anthony Waterer—Red, 1 ft.	39	1.79								
	French Lilac—Red, White, Purple, 1 to 2 ft.	98	4.49								
	Scotch Broom, 1 to 2 ft.	29	.99								
	*Hypericum, 1 ft.	19	.89								
	Spice Bush, 1 to 2 ft.	29	.99								
	Butterfly Bush—Purple, 1 to 2 ft.	49	2.29								
	Butterfly Bush—Pink, 1 to 2 ft.	49	2.29								
	Vitex—Purple, 1/2 to 1 ft.	39	1.79								
	Green Barberry, 1 to 2 ft.	29	.99								
	Azalea—White, Purple, Red or Pink, 1/2 to 1 ft.	59	2.49								
	*Hydrangea Arborea— 1 to 2 ft.	29	.99								
	Spiraea Thunbergii, 1 to 2 ft.	29	.99								
	Witchhazel, 1 to 2 ft.	39	1.79								
FLOWERING TREES—1 or 2 Years Old											
	Magnolia Grandiflora, 1/2 to 1 ft.	49	1.98								
	Magnolia Niagara, 1 to 2 ft.	139	6.49								
	Mimosa—Pink, 2 ft.	29	.99								
	Mimosa—Pink, 3 to 4 ft.	49	1.98								
	Mimosa—Pink, 4 to 6 ft.	89	3.98								
	American Red Bud, 2 to 3 ft.	79	3.49								
	White Flowering Dogwood, 2 to 3 ft.	29	.99								
	White Flowering Dogwood, 4 to 6 ft.	129	5.98								
	Pink Flowering Dogwood, 1 ft.	129	5.98								
	Pink Flowering Dogwood, 2 ft.	198	8.98								
	Pink Flowering Dogwood, 3 to 5 ft.	398	18.98								
	Golden Raintree, 1 to 2 ft.	79	3.49								
	Golden Raintree, 3 to 4 ft.	249	11.98								
	Golden Chain Tree, 1 to 2 ft.	79	3.49								
	Smoke Tree, 1 to 2 ft.	149	6.98								
	Purple Leaf Plum, 1 to 2 ft.	59	2.49								
	Purple Leaf Plum, 2 1/2 to 4 ft.	89	3.98								
	Purple Leaf Plum, 4 to 6 ft.	198	8.98								
	Flowering Peach—Red or Pink, 2 to 3 ft.	89	3.98								
	Obi. Pink Flowering Cherry, 3 to 5 ft.	398	18.98								
	Flowering Crab—Red or Pink, 2 to 3 ft.	98	4.49								
	Flowering Crab—Red or Pink, 4 to 6 ft.	198	8.98								
	Chinese Elm, 1 to 2 ft.	59	2.49								
	Purple Leaf Plum, 2 1/2 to 4 ft.	89	3.98								
	Purple Leaf Plum, 4 to 6 ft.	198	8.98								
	Magnolia Soulangiana, 1 to 2 ft.	139	6.49								
	Weeping Peach, Red or Pink, 2 to 3 ft.	129	5.98								
	White Flowering Peach, 2 to 3 ft.	89	3.98								
	Japanese Flowering Cherry, 3 to 5 ft.	398	18.98								
	European Mountain Ash, 3 to 4 ft.	249	11.98								
	Paul's Scarlet Hawthorn, 3 to 5 ft.	449	19.98								
	*Big Leaf Cucumber, 3 to 5 ft.	169	7.95								
	White Fringe, 2 to 3 ft.	129	5.95								
	Red Flowering Dogwood, 1 ft.	129	5.95								
	Red Flowering Dogwood, 2 ft.	249	11.98								
	Red Flowering Dogwood, 3 to 4 ft.	398	18.98								
	5-N-1 Flowering Crab, 3 ft.	398	18.98								
SHADE TREES—1 or 2 Years Old											
	Silver Maple, 3 to 4 ft.	59	2.49								
	Silver Maple, 4 to 6 ft.	79	3.49								
	Chinese Elm, 1 to 2 ft.	59	2.49								
	Chinese Elm, 3 to 4 ft.	39	1.59								
	Chinese Elm, 4 to 6 ft.	79	3.49								
	Green Weeping Willow, 2 to 3 ft.	39	1.59								
	Green Weeping Willow, 4 to 6 ft.	69	2.98								
	Catalpa Tree, 2 to 3 ft.	29	.99								
	Ginkgo Tree, 1 to 2 ft.	79	3.49								
	Ginkgo Tree, 3 to 5 ft.	298	13.95								
	Pin Oak or Red Oak, 2 ft.	79	3.49								
	Pin Oak or Red Oak, 3 to 5 ft.	129	5.99								
	Willow Oak or Scarlet Oak, 2 ft.	79	3.49								
	Willow Oak or Scarlet Oak, 3 to 5 ft.	129	5.99								

Our plants are Nursery grown from cuttings, seeds, or budded stock unless otherwise stated. These have never been transplanted except those marked with (*) asterisks; which means those are collected from the wild state. Inspected by the Tennessee Dept. of Agriculture. This gives you a chance to buy lower priced plants. SATISFACTION GUARANTEED ON ARRIVAL OR WE WILL EITHER REPLACE OR REFUND YOUR MONEY. You may order as many or as few plants as you wish. Send 99 cents extra with order for postage and packing.

SAVAGE FARM NURSERY

P. O. Box 125 — McMinnville, Tennessee 37110

W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.

Annual Meeting Speaker Tells Of Rural-Urban Interaction

Some 800 persons attending the 32nd annual members meeting of Western Illinois Electrical Coop. on Thursday, August 5 at Carthage heard of rural-urban interaction from Senator Cecil A. Partee, president pro tempore of the Illinois Senate.

Partee, a Chicago attorney, said that urban and rural people alike need to get together to help each other solve pressing problems that affect the well-being of all the people of Illinois.

"I have consistently supported the electric cooperative program," Senator Partee said, "because so far everything you have brought to my attention has been right, has been in the sincere best interests of the people of Illinois. And I hope you will support me and those things that I bring to your attention which also are right. . . . Together we can build something that is worthwhile and lasting."

In his annual report Donald Kerr, Sr., president, Warsaw, reported that the cost of power is the largest single item of expense and amounts to 46.4 percent of revenue.

Kerr pointed out that the power cost of fuel used for generation and

that fuel costs have nearly doubled while power consumption has increased only 5.8 percent.

Kerr said that the Apple River Chemical Company at Niota was connected to WIEC's lines on February 25, 1971 and became the cooperative's largest commercial load. Nearly six miles of three-phase line were constructed to serve the firm. The total cost to supply the facility was over \$53,000.

The rate increase in March 1970, Kerr said, gave an operating margin for the first time since 1963 and was in line with the long-range financial forecast which was to be sufficient until 1980. However, he pointed out, the forecast was revised in December of 1970 and reflects anticipated increases in the cost of power and interest expense on supplemental financing.

AN REA LOAN of \$404,000 has been approved, Kerr said, and will be used to replace conductor, construct over eight miles of new line and for other system improvements.

WIEC subscribed \$87,883 in capital term certificates, the sum of the first three yearly payments, to the Cooperative Finance Corporation (CFC), which now has a member-



Senator Cecil A. Partee

ship of 821 systems.

System improvement was a major emphasis during the year, reported Lee Leonard, manager. The cooperative crew replaced an overall total of 385 miles of conductor and an additional 290 miles of replacement is planned. Highway widening and improvement projects made it necessary to relocate lines.

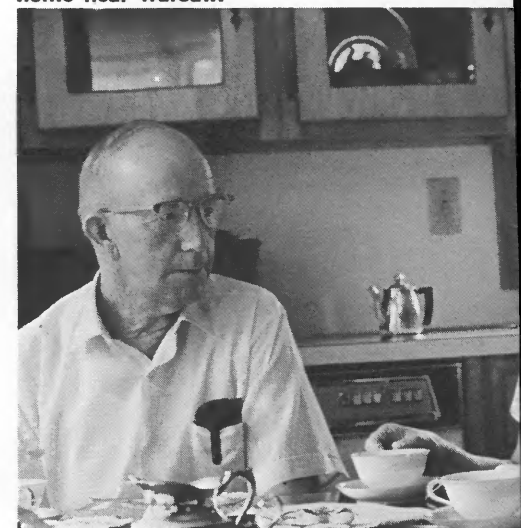
During the past year, Leonard said, the cooperative added 37 new services, retired 123 idle services, tested approximately 500 meters, installed 50 security lights and upgraded 33 individual services.

THE MEMBER SERVICE department, he said, was busy installing new entrances and increasing the ca-

Entertainment was provided by the Dukes and Duchesses 4-H Club.



Senator Partee right, visits with WIEC's president home near Warsaw.



ILLINOIS RURAL ELECTRIC NEWS

capacity of others. During the year 55 clothes dryers, 34 electric ranges, 41 water heaters, 48 air conditioners and 17 electric-heated homes were added.

Leonard pointed out that KWH usage for 1970 was 817 compared to 1969's 775 KWH.

An REA loan application for \$662,000 was submitted, Leonard said, to cover an anticipated 290 miles of conductor replacement, but REA had approved \$404,000 for the replacement of 100 miles of conductor.

The manager pointed out that the over-all cost of operations increased in 1970 because of spiraling prices of goods and services. But in spite of rising costs, he said, electric service will continue to be a "best buy" in the years ahead.

The report of Vern Comstock, secretary-treasurer, Hamilton, showed that the electric revenue last year amounted to just under \$800,000 and that over the years the cooperative has paid REA \$700,429 in interest. It has repaid \$1,475,079 in REA loans and still owes a principal amount of \$1,361,445. Last year the cooperative paid \$61,729 in various kinds of taxes. The net value of the electric and general plant is \$1,760,077.

COMSTOCK said that the cost of power for the year was \$367,789 of the total cost of electric service which was \$780,119.

RE-ELECTED to the board of directors were Harold Massie of Carthage and Wendell DeMoss of Bowen. Other members of the board are Kerr, Comstock, Robert R. Wagner of Burnside, Harold S. Huey of Plymouth and Wendell Thompson of Niota.

Wagner, who is also a director of the National Rural Utilities Cooper-



Virgil Huls, Carthage r.r., registers for the annual meeting. Office personnel at the registration table include Keith Twaddle, center, office manager, and Carolyn Huls, secretary.

ative Finance Corporation, reported on how the recently formed financial corporation operates. It is designed, he said, to make electric cooperatives more independent of federal loans for capital improvements. It was founded by the cooperatives and is owned and controlled by them.



Linda Derry, Colusa, tells of her "Youth Tour to Washington."

Discussing cooperative matters are, from left, Representative Clarence E. Neff of Stronghurst; Senator Cecil A. Partee, Chicago, president pro tempore of the Illinois Senate; Donald Kerr, Sr., WIEC president, Warsaw; Lee Leonard, WIEC's manager, Carthage and Wendell Thompson, director, Niota.



fe, Mr. and Mrs. Donald Kerr, Sr., at their

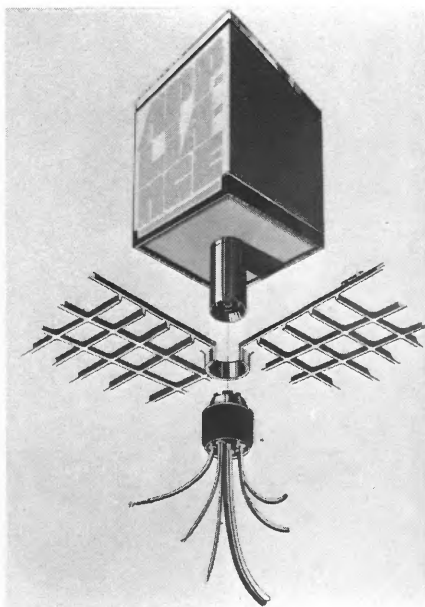


What's New?



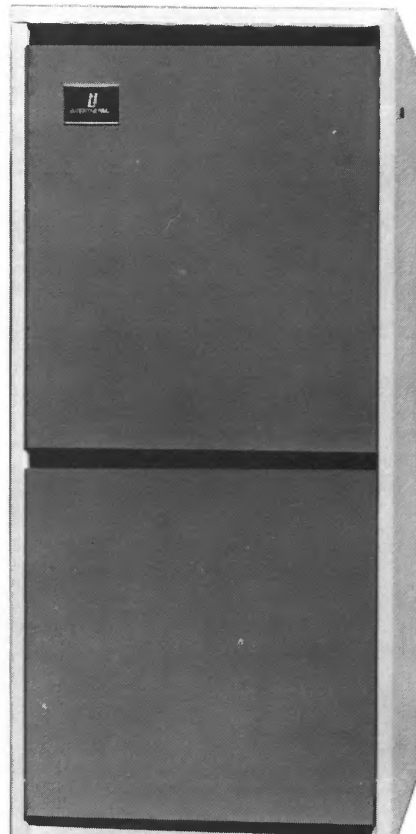
● Modular Kitchen

Whirlpool Corporation's design for a modular kitchen of the future permits a housewife to redesign her kitchen by detaching a utility unit, at right, moving it to a new location with an automatic connection to a mobile appliance. The concept is not as far off as one would expect, according to Whirlpool's design center.



● Slim-styled Furnace

A full line of upflow electric furnaces with capacities of 40,000-80,000 Btu is offered by Intertherm Inc. for mobile home applications. The new furnaces will be available in 11, 15, 17 and 23 Kw models with cabinet dimensions of 41" height, 19" width and 24" depth. Matched designed air conditioning units are available to provide a complete heating/cooling package.



Millions to Celebrate Co-op Month

Illinois electric cooperatives are preparing to join cooperatives of all kinds throughout the nation next month in observance of Cooperative Month, whose theme will be "Co-operatives Care."

This year's observation is expected to be the largest in the history of the program, said Thomas H. Moore, general manager of the Association of Illinois Electric Cooperatives.

Optimistic statements also have come from E. A. Jaenke, governor of the Farm Credit Administration, and Eric Thor, administrator of the Farmer Cooperative Service.

JAENKE, in a release through the office of the American Institute of Cooperation, said that "Cooperation can be counted as one of the most relevant words. There is literally nothing in this world which people cannot accomplish through it."

He cited examples of farmer cooperatives, rural electric cooperatives and the Farm Credit System and asserted: I've always thought the cooperative form of business to be the best kind of free enterprise. Through cooperatives, people of ordinary means can play a role in business ownership and share in the savings of their business while having something to say about the kind and quality of service provided. That is putting economic power in the hands of the people—just where it belongs."

THOR SAID that the theme of the month, "Cooperative Care," is an open end assertion that management should be prepared to substantiate to patrons and non-members alike.

"It implies both past and future worthiness," he said. "It summons management to squarely attack those problems hindering the improvement of farmer-members' economic and social well-being.

"If cooperatives care, advisory personnel are obligated to monitor changing supply and market patterns, farmers' financial needs and emerging technology. They must signal for change. They must respond to the call.

"If cooperatives care, members must make known what they expect of their cooperatives, that they intend to give wholehearted and vigorous support."

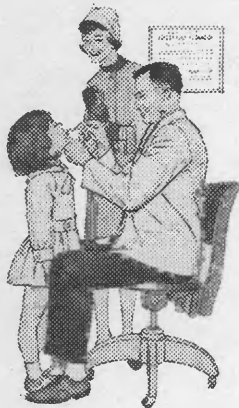
New! From Mutual of Omaha!

Three way protection

that covers you both IN and OUT of the hospital

UP TO
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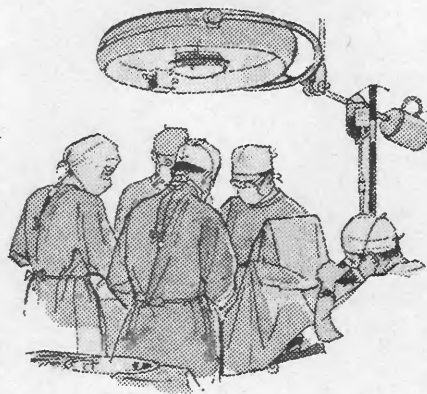
FOR DOCTOR CALLS AND HOME CARE



Doctor Calls and Home Care—Pays up to \$5,000.00 on a scheduled basis for out-of-hospital doctor bills, drugs, medicines, X-rays and lab tests, private duty nursing care, plus much, much more. Even includes benefits for charges made by a hospital for a planned program of continued home care following hospital confinement. Covers the whole family.

PLUS UP TO
\$15,000.00

FOR IN-HOSPITAL, SURGICAL-MEDICAL BILLS



Hospital-Surgical-Medical—Pays up to \$15,000.00 on a scheduled basis for in-hospital doctor calls, medicines, drugs, lab tests, operating room costs, surgical fees and much, much more. In addition, pays from \$10.00 to \$60.00 a day (depending on the plan you qualify for) for hospital room and board... pays **DOUBLE** the daily benefit selected when confined in an intensive care unit.

PLUS UP TO
\$800.00

A MONTH
FOR REGULAR
LIVING EXPENSES



Living Expenses—Pays from \$100.00 to \$800.00 a month (depending on the plan you qualify for) to help take care of regular living expenses when the family breadwinner is disabled and can't work. As explained in your policy, these *tax-free* benefits are payable for disabilities that start before retirement or age 65. Special benefits are payable for disabilities that start thereafter.

FOR MORE INFORMATION CONTACT THESE GENERAL AGENTS

L. Earl Cutler
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P.O. Box 965
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Phone AC618-398-1950

S. B. Stottrup
111 East Decatur
Decatur, Illinois 62525
Phone AC217-429-5495

A. H. Harris
1119 South Sixth Street
Springfield, Illinois 62705
Phone AC217-528-3434

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

Jack B. Williams
Jack Williams Division
285 South Plazaway
Cape Girardeau, Missouri 63701
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IF UNDER 18 HAVE PARENT SIGN HERE

W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.



Ollie Kirchner, Sr., at the airplane controls.

Member Has Ups and Downs

Oliver Kirchner, Sr., Carthage, has flown an airplane since 1946 when he received his private pilot's rating. Since then, he has received commercial and instrument ratings and has flown to all 50 states for business or pleasure.

The Carthage airport, where Kirchner took his student training and kept his plane, was closed in 1955. In 1956 Kirchner purchased 12 acres of land north of Carthage on which to build a home and an airstrip. He readily gives credit to many interest-in-flying friends who helped him realize his dream—Harold Huey, C. H. Robnett, Albert Graham, Granville White, Al Ulrich, Western Illinois Electric

Coop. and the Mississippi Valley Telephone Co.

The runway is lighted for night landings with 25-watt lamps (like those used in haymows) mounted on old disc plates. There was 4,000 feet of No. 14 wire buried in the ground to reach the other end of the airstrip which is licensed as a "restricted" landing area.

A restricted landing area is for the use of aircraft based there and not open to the public unless special permission is obtained. Planes from Acapulco, Mexico; California; New England; Florida and other states have landed on Kirchner's airstrip by special permission. Kirchner and the Western Illinois Flying

Farmers club recently hosted a fly-in breakfast at the airstrip.

Kirchner, who planned to build a single-plane hangar, built a hangar for four planes in 1957 when friends urged him to house their planes also. The hangar's doors are 40-foot wide. The hangar is equipped with an electric winch for each aircraft which makes it possible for each person to single-handedly hangar the aircraft. A 4,000 watt heater with a connecting stove pipe and 230-volt outlets permit the aircraft owners to pre-heat their engines in the winter.

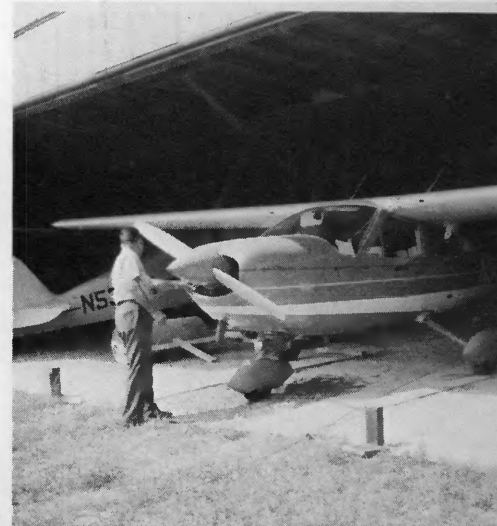
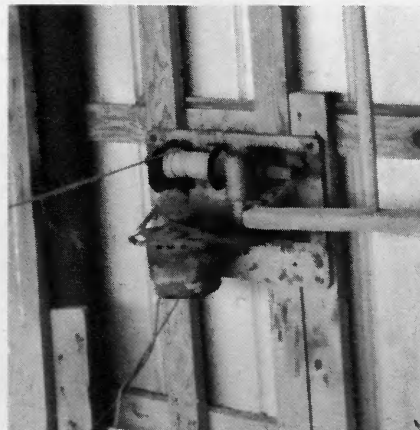
Kirchner and his son, own, manage and operate OK Electric Service in Carthage. In 1958 Kirchner built an all-electric home which is heated in the winter and cooled in the summer with an electric heat pump. The home also includes about all the modern electric conveniences available.

WIEC is pleased to have Oliver Kirchner as one of its members.

Kirchner points to a 25-watt vapor proof lamp along the airstrip.



An electric winch, below, permits Kirchner, at right, and others to hangar aircraft single-handedly.



CO-OP COMMENTS

by Lee Leonard

Whenever I drive through Illinois or any other state, I always notice the great number of "CO-OP" signs on stores, gas stations, farm supply warehouses and other businesses. You see "CO-OP" signs everywhere. And in some of the very small towns, the "CO-OP" establishments stand out very prominently because they are the only relatively large, modern businesses.

These cooperatives got started because there was a need, sometimes a desperate need, for their services. In most cases, neither the large chain stores, nor the local businessman could see much potential business, so the local people started their own cooperatives to obtain the needed products or services.



Lee Leonard
Manager

Many of these small town cooperatives are very successful, even some in the most remote areas. They are successful because they have joined together with other cooperatives to buy through "regional" cooperatives. As you look for "CO-OP" signs, you notice a pattern. There are several distinctive trademarks on the signs, each signifying the local cooperative's tie-up with a regional cooperative.

The small town cooperatives and their regional suppliers are almost like chains except that the local cooperatives own the regional cooperatives, instead of the regional owning the local, as with most chain enterprises.

These regional-local tie-ups are voluntary federations. Through such federations, the local cooperatives and their members retain all the benefits of local ownership and control at the same time gaining lower prices resulting from the regional's mass purchasing.

The small town cooperatives are able to prosper because, unlike many of their neighboring small businesses, they have joined together with other similar small businesses. Economists who have studied cooperatives point out that the ones which purchase through regional cooperatives are stronger and do better in the long run. That's be-



deluxe Vapor All

Automatic Humidifier

with "water wheel" moisturizing action

Automatically changes damaging dry air to spring-fresh humidified comfort!

Model 4053
(Pictured)
\$54.95

Model 4054
\$59.95



Help yourself to refreshing, whole-house humidification. Vapor-All automatically humidifies up to 2500 sq. ft. of living area (average 7-room house) without noise, gurgles or direct drafts. Care and maintenance is cut to the bare minimum... no pump to clean or worry about. This is truly the ideal answer to effective home humidification without expensive equipment, costly installation or tampering with your present heating system.

- Automatic humidistat by Minneapolis-Honeywell • Automatic "shut-off", "refill" indicator light and water level gauge • Continuously revolving drum-filter for steady "water wheel" moisturizing action • Ultra-quiet 2-speed 10" fan • Vertical air circulation with directional air control • Beautiful vinyl trim resists stains and scratches... wipes clean with a damp cloth • 8 1/2 gallon rust-proof reservoir • A product of The West Bend Co.

24 1/2" high, 26 1/2" wide, 11 1/2" deep. Ship. wt. approx. 42 lbs.

—AVAILABLE AT—

O.K. ELECTRIC OF CARTHAGE — WESTERN ILLINOIS ELECTRIC

cause joining together brings much more than economic advantage.

Cooperatives get additional service from their regionals which they wouldn't get ordinarily from non-cooperative suppliers. The regional cooperatives often furnish management advice, common identity signs, common identity products, cooperative advertising and many other services.

Co-op Month

Western Illinois Electrical Coop. (WIEC) at Carthage is joining in a nationwide observance of Cooperative Commitment month during October. "Cooperatives Care" is the 1971 theme. Cooperatives care about a lot of things. They care about people, helping members make a better living, the total environment, youth and young farmers, their communities and America.

Cooperatives taking part in the observance commit themselves to work together toward a better life

for all citizens in the 1970s. WIEC joins all other like-minded cooperatives united in the expression of ideals of services for the public good.

The rural electric cooperatives serve their consumer-members in a way that helps the people of crowded cities as well. They do this by developing opportunity for people to make a living in rural America—enabling them to remain there. They help develop new industry, and they help get good legislation and programs for housing, water and sewer systems, educational facilities and other elements of modern living. "Better living in the 70s"—the pledge of America's cooperatives is a pledge that we are determined to keep.

Your Western Illinois Electrical Coop. has available a solution to descale furnace and room type humidifiers, vaporizers, and evaporators for efficient performance. Once descaled there is another solution to prevent lime scale buildup for constant, efficient, longer trouble free operation. Cost is \$2.50 a quart.

What's New?

* New TV Line

Admiral is introducing its new line of televisions for 1972. Exquisitely designed cabinetry with outstanding performance features are in the color TV selections: Turner, Ontario, Madison and Valencia. Personal Playmate, Joplin, and Kenton models of portable black and white TVs feature compact portability, attractive design and rugged dependability.



* Door Switch Feature

Reversible doors are one of the features of Kelvinator's refrigerators. Magnetic door gaskets make the switching possible by sealing the door all the way around and eliminating the need for a locking mechanism. It's easy to alter the door at anytime with just a screwdriver from the factory-installed right opening to a left opening.

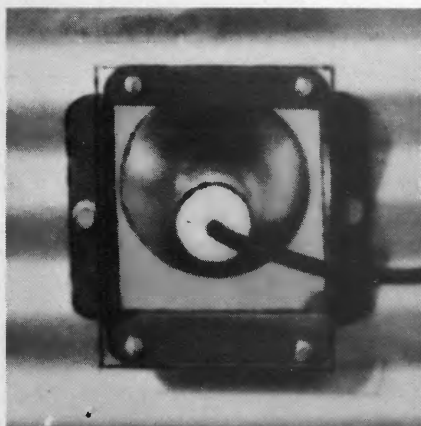
* "Wok" Cooking

Tempura or deep-fry cooking is made easy with the new electric "Wok" by West Bend. Equipped with an automatic heat control to take the guesswork out of meal-making, "Wok" makes possible the rapid cooking secret for Oriental dishes and the stir-method of cooking. Heat is concentrated in the small base to "stir-fry" foods. As ingredients are added, cooked foods are whisked up the wide, sloping sides of the "Wok," which retails for \$29.95.



* GRAINLAMPS

New electric GRAINLAMPS by Harvestall Industries provide flameless energy for bin drying all grains. They simply operate with fan or adapt to automatic grain dryness controls. Exceptional efficiency of light energy reduces cost of drying without sacrificing grain quality. Shock-proof lenses make the drying chamber fully visible and illuminates the area around the bin at night.



REA Chief Rejects Decrease In Power Usage

The future of electric energy depends on more efficient use of electric power facilities and not on a decrease of power sales activities and power production.

Sharing this thought with persons attending the annual conference of the Farm Electrification Council was David A. Hamil, administrator of the Rural Electrification Administration (REA).

"I can tell you it wouldn't solve our problems to restrict production



David A. Hamil

and ration power," Hamil said. "Yesterday's power supplies won't support even the minimum requirements of tomorrow's population.

"We need more electric power, not less," Hamil stressed, "to meet consumer requirements and to help clean up the environment. The delay or loss of generation capacity risks serious damage to the national economy."

Hamil urged the council, which met recently in Tulsa, Oklahoma, to continue its historic program of industry-wide cooperation and to promote the farm market for electric energy.

"IMAGINATIVE action," Hamil pointed out, "can find uses which build your off-peak loads. Developing new power-use markets for the night hours can help solve problems instead of creating them."

During his first term as REA administrator under President Eisenhower, Hamil was instrumental in establishing the industry-wide group which became the Farm Electrification Council.

health reasons—and we guarantee that we will never cancel, modify or terminate your policy or change your rates unless we do so on all policies of this type in your *entire* state or until the maximum (Aggregate of Benefits) of your policy has been paid to you. Of course, you may have only one like policy with Physicians Mutual.

Enroll For Only \$1

Regardless of your age, the size of your family, or the plan you select, you get your first month for only \$1.00. If you choose the All-Family Plan—all your eligible children (including future additions) are included at *no extra cost*. (See box at left for low rates.)

Surprisingly Low Cost

How can a hospital plan offer so much for so little? Because we have *lower* total sales costs. This is a *mass enrollment plan*. All business is conducted between you and the company by mail. *No salesmen will call*. It all adds up to *real savings* we share with you by giving you *high-quality* protection at *low cost*.

**Offered By Physicians Mutual
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Your policy is backed by the resources, integrity and reputation of the *Physicians Mutual Insurance Company*, "the doctors company," specializing in health and accident protection for physicians, surgeons and dentists for more than 69 years. Dunne's Insurance Reports, one of the leading insurance industry authorities in the nation, gives Physicians Mutual its highest policyholders' rating of "A Plus (Excellent)." Serving over 600,000 policyholders in the U. S. direct-by-mail, Physicians Mutual has its headquarters in Omaha, Nebraska, and is licensed to do business in your state. Its Board of Directors is composed *entirely* of respected members of the medical and insurance professions.

**Easy To Enroll!
No Salesman Will Call!**

During this limited offer there are no qualifications other than to complete and mail the Enrollment Form below. We will issue your Doctors Hospital Policy (Form P322 Series) *immediately*—the same day we receive your form. This automatically puts your policy in force. With your policy you will receive a simple, easy-to-use Claim Form. When you need your benefits, you can be sure that your claim will be handled promptly.

**Protect Your Family—Enroll Now.
Your \$1 Back If Not Satisfied**

Take a moment now to fill out your Enrollment Form and mail it with only \$1.00 for your first month. If for any reason you change your mind you may return your policy within 10 days and we will promptly refund your dollar. **IMPORTANT:** We can only accept your enrollment if it is postmarked on or before the date shown at right. Mail to:

**PHYSICIANS MUTUAL
INSURANCE COMPANY**
115 South 42nd Street
OMAHA, NEBRASKA 68131

13 Important Questions Answered

- 1. How much can I be paid?**
Each plan has its own "Aggregate of Benefits," or maximum.
Under the *Individual Plan*, the maximum is \$5,000—\$428.40 monthly (\$14.28 daily) when you are hospitalized.
Under the *Husband-Wife Plan*, the maximum is \$7,500—\$428.40 monthly (\$14.28 daily) when you are hospitalized; \$321.30 monthly (\$10.71 daily) when your wife is hospitalized.
Under the *All-Family Plan*, the maximum is \$10,000—\$428.40 monthly (\$14.28 daily) when you are hospitalized; \$321.30 monthly (\$10.71 daily) when your wife is hospitalized; \$214.20 monthly (\$7.14 daily) for each eligible child hospitalized.
Under the *One-Parent Family Plan*, the maximum is \$7,500—\$428.40 monthly (\$14.28 daily) when you are hospitalized; \$214.20 (\$7.14 daily) for each eligible child hospitalized.
- 2. When do my benefits begin?**
On all plans, your cash benefits are paid from the very first day of covered hospital confinement, for as long—and for as many times—as you are hospitalized, up to the maximum (Aggregate of Benefits) of the plan you choose.
- 3. Can I collect even if I carry other health insurance?**
Yes, The Doctors Hospital Plan pays you in addition to any health insurance you carry, whether individual or group—even in addition to Medicare! And all your benefits are tax-free! Of course, you may have only one like policy with Physicians Mutual.
- 4. Are there any other benefits?**
Yes. You receive a 50% increase in cash benefits if you or any covered family member is hospitalized for cancer (including

- Leukemia and Hodgkin's Disease), heart attack (acute myocardial infarction, coronary thrombosis and coronary occlusion), or stroke (apoplexy).
- 5. What are the "double" cash benefits?**
If you and your wife are both injured and hospitalized at the same time and have the ALL-FAMILY or HUSBAND-WIFE PLAN, you get *twice the amount*—\$1,499.40 A MONTH!
 - 6. Can I go to any hospital?**
You will be covered in any lawfully operated hospital except: nursing homes; convalescent, extended-care, or self-care units of hospitals; or Federal hospitals.
 - 7. When does my policy go into force?**
The very same day we receive your Enrollment Form. New accidents are covered on that date. After your policy is 30 days old, new sicknesses which begin thereafter are covered. Under the ALL-FAMILY PLAN and the HUSBAND-WIFE PLAN, childbirth or pregnancy or any consequence thereof is covered after your policy is in force for 10 months.
 - 8. What if someone in my family has had a health problem that may occur again?**
Even if one of your covered family members has suffered from chronic ailments in the past, pre-existing conditions are covered after the policy has been in force for one year.
 - 9. What conditions aren't covered?**
Only these minimum necessary exceptions: pregnancy or any consequence thereof (unless you have the ALL-FAMILY PLAN or the HUSBAND-WIFE PLAN), war, military service, mental disorder,

- alcoholism or drug addiction, or if something happens "on the job" and is covered by Workmen's Compensation or Employers Liability Laws.
- 10. Can you drop me?**
We will never cancel or refuse to renew your policy for health reasons—for as long as you live and continue to pay your premiums. We guarantee that we will never cancel, modify or terminate your policy or change your rates unless we do so on all policies of this type in your *entire* state or until the maximum (Aggregate of Benefits) of your policy has been paid. You, of course, can drop your policy on any renewal date.
 - 11. How do I claim my cash benefits?**
With your policy, you will receive a *simple, easy-to-use Claim Form*, which you send directly to the company when you want to claim your cash benefits.
 - 12. How much does my first month cost?**
Only \$1.00, regardless of your age, the size of your family or the plan you select. After the first month, if you are under 65, you pay only these low monthly rates: only \$3.95 a month for the *Individual Plan*; only \$6.45 a month for the *Husband-Wife Plan*; only \$7.95 a month for the *All-Family Plan*; only \$5.95 a month for the *One-Parent Family Plan*. (When you are over 65, premiums increase. See modest increase in box on preceding page.)
 - 13. Why should I enroll now?**
An unexpected sickness or accident could strike without warning—and you will not be covered until your policy is in force. Remember, if for any reason you change your mind, you may return your policy within 10 days and your \$1.00 will be refunded immediately.

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ENROLLMENT EXPIRES DEC. 18, 1971

The Doctors Hospital Plan

LIMITED ENROLLMENT FORM NO. 7573

INSURED'S NAME _____
(Please Print) First Middle Initial Last

ADDRESS _____
Street

City _____ State _____ Zip No. _____

AGE: _____

SEX: Male Female

DATE OF BIRTH _____
Month Day Year

SELECT PLAN DESIRED:

Check one only

INDIVIDUAL-PLAN 4
 Husband-Wife-Plan 3
 All Family-Plan 1
 One Parent Family-Plan 2

If All-Family or Husband-Wife Plan is selected, give following information on wife:

Wife's First Name Middle Initial _____

DATE OF BIRTH: _____
Month Day Year

I have enclosed my first monthly premium of \$1.00 and hereby apply to Physicians Mutual Insurance Company, Omaha, Nebraska, for The Doctors Hospital Policy, Form P-322 Series and Plan thereunder as selected above. I understand the policy is not in force until actually issued.

Date _____ Signed **X** _____
Form E-322 Insured's Signature. Sign—do not print.

PHYSICIANS MUTUAL INSURANCE COMPANY
115 SOUTH 42ND STREET, OMAHA, NEBRASKA 68131
Make check or money order payable to Physicians Mutual

W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.

CO-OP COMMENTS

by Lee Leonard

TREES



Artificial lighting at night can beautify a tree.

Trees are the world's largest plants. Unlike most plants they continue to grow for years. We are aware that trees take nutrients and water from the soil, but do we realize how much a tree contributes to its surroundings?

Trees provide shade and beauty. They dilute pollutants in the air by releasing oxygen. They act as sound barriers to reduce noise pollution. Decaying leaves replace minerals in the soil. Roots prevent water runoff. Trees provide a home, food and protection for birds, wild animals, insects and rodents.

Trees provide lumber for homes and other buildings, playhouses for children, poles and posts. They provide raw materials for manufactured products such as signs, paper, wood alcohol, resins, turpentine, charcoal, oils, waxes, boats and furniture.

Trees provide us with foods such as coffee, cocoa, lemons, apples, oranges, limes, pears, peaches, walnuts, and pecans. Christmas trees decorate our homes in December. Trees provide jobs in forestry and manufacturing.

A tree is a living entity that has a life span and if we don't use it, we lose a resource. It is one of the basic raw materials that can be renewed and which we can continue to harvest for the good of everyone.

Many people believe we should



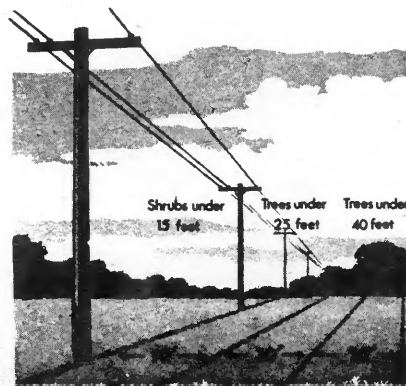
David Danielson, like most boys, enjoys tree climbing.

not cut trees, that we should use wood substitutes such as steel, aluminum or plastic. But everyone of these materials come from a nonrenewable source. Once it is mined and manufactured it is gone except for a small amount of recycling. This is not true of the forest. Unlike minerals and plastics, waste wood is biodegradable and much is recycled.

Nothing is more beautiful than a tree, but before you make plans to plant a tree select the location. Small trees are often planted too close to electric lines or the house. When they reach maturity they spread into the lines and the house and become problems. This can be prevented if good judgment is used at planting time.

Trees growing close to or under electric lines also present an extreme safety hazard. Lines hidden in leafy trees are forgotten by young people at play. Tragedy can result. No one likes being out of service but limbs on lines can cause just that.

Carefully plan your planting.



Don't plant trees under power lines.

DO YOU HAVE AN ELECTRICAL PROBLEM OR QUESTION?

Stop in and visit with your Western Illinois Electric Cooperative employees if you have an electrical problem or question. It is their re-



Lee Leonard
Manager

sponsibility to advise and secure information for members on the productive, economical, safe use of electricity. You may be pleasantly surprised how quickly and economically your problem can be solved. But our experts can't help you if they don't know about your problem or questions.

ANNUAL BILLING

Some members have electrical service at locations other than where they live. These services are paid for once a year. If you have this type of service and no longer want the service, please notify the cooperative before the end of the year.

WHEN THE POWER GOES OFF

If you call WIEC on a service outage and the problem turns out to be on your service wires instead of the cooperative's, there is a charge. So before calling, we suggest you determine if the electric service is off all over your premises; if not, check the switches below the meter on the meter pole. A short or overload can trip these switches; reset the switch to "on" position.

If all your lights and power are off, call your neighbor to see if he has power. If he does, it is an indication that your service is the only one affected. If your neighbor's power is off too, wait until your power has been off 30 minutes before calling collect. By calling your neighbors, the cooperative has a chance to find the trouble faster.

When you see any damage or hazard on the cooperative line, call collect. By notifying us of the location of the damage, we will be able to prevent long outages and patrolling. Be sure to give your name and account number when calling. Your account number gives us your location.



Like those on that first Thanksgiving Day, let us, too, pause to give thanks for our many blessings.

And to each of you members, best wishes for a joyful season from the directors and employes at WIEC.

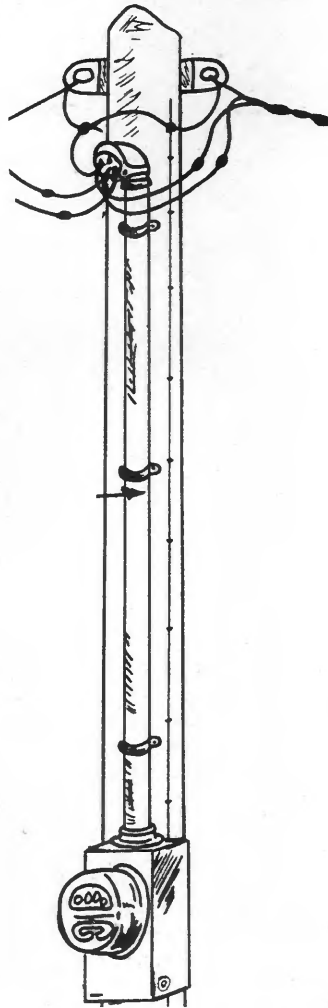
People Praise Electric Heat

Electric heat provides many advantages for comfortable living. And the ones who can best explain those advantages are the various members who have all-electric homes with electric heat.

Following are some of the things people are saying about electric heat:

- Produces even temperature.
- Keeps air from getting too dry.
- Keeps floors warm.
- Allows separate temperature control for each room.
- Heats up in a hurry.
- Has no equipment in the yard.
- Eliminates drafts.
- Costs less to buy than others.
- Lasts longer than any other.
- Expands easily when adding a room or remodeling.
- Removes pollution.
- Has no equipment, except the thermostat visible in the room.
- Requires little or no floor space.
- Minor repairs won't shut down the entire system.
- Doesn't require a change of filters.

What's A Meter Loop?

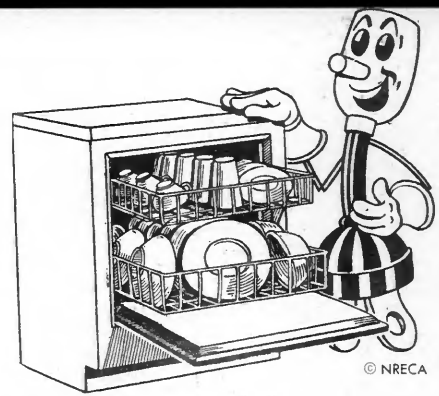


When visiting with you, we may refer to the "meter loop." Often we fail to explain what it includes and make the assumption you know what we are talking about. This may not always be true.

The "meter loop," usually mounted on a pole, includes the weatherhead, conduit (looks like pipe), wire, meter base, meter, and circuit breakers (looks like switches under the meter). It gets its name from the loop at the meter. The wires leaving the cooperative service wires go down through the conduit, through the meter and breakers, and back up through the conduit to your overhead service wires.

Your cooperative provides the meter base, meter, and the pole if one is used. The member furnishes the weatherhead, conduit, wire, and breakers.

Meter loops may be purchased from the cooperative at cost of material plus \$10 for mounting them on the pole. Meter loops come in 50, 100, 200 ampere capacities. Most of you have outgrown the 50 ampere size. The meter is located about eye level.



Dishwasher Aids In Family Health

The advantages of an automatic dishwasher in saving time and effort are only two of the bonuses you get with these wonderful kitchen helpers.

The most important advantage of a dishwasher is that it kills germs. You get hygienically clean dishes washed in super-heated (140-180 degrees) water for maximum health protection. You do not and cannot get this protection when you wash dishes by hand because the water cannot be hot enough to kill all germs and germs are spread through the use of dish towels.

As to the other bonuses, because of an automatic dishwasher, you'll find that it's much easier to keep your kitchen looking neat and spotless. Instead of stacking dirty dishes in the sink or on the counter-tops, you can store them away inside the dishwasher until they're washed.

Soggy towels draped around the kitchen become a thing of the past, thanks to your dishwasher's drying cycles.

With an automatic dishwasher, you no longer need to contend with rough, detergent-burned hands. By saving them from the dishpan, your dishwasher helps keep your hands soft and lovely.

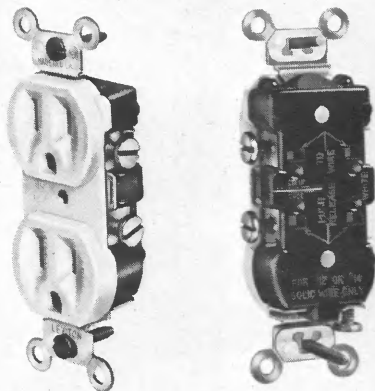
Modern dishwashers have multi-cycle action that washes away every type of food soil—from film on glasses to drippings baked on broiler racks. Another feature that especially appeals to homemakers is that when the dishes are removed, the tub itself is completely hygienically clean. All traces of food particles, even of the detergents, are gone.

These are all advantages of using an electric dishwasher, but what it basically comes down to is health. By using water hotter than your hands can stand, your dishwasher helps you safeguard your family's health, cutting bacteria down to a minimum. The dishwasher detergent also acts as a germ and bacteria killer.

What's New?

● Self-grounding Receptacle

Leviton Manufacturing Company has introduced a self-grounding receptacle, the Groundmatic. A rugged bronze spring clip, securely riveted to the receptacle's mounting strap, applies constant contact pressure against the mounting screw. It automatically grounds the receptacle when installed in any grounded metal box and does away with the bonding jumper and the need for conventional grounding procedures.

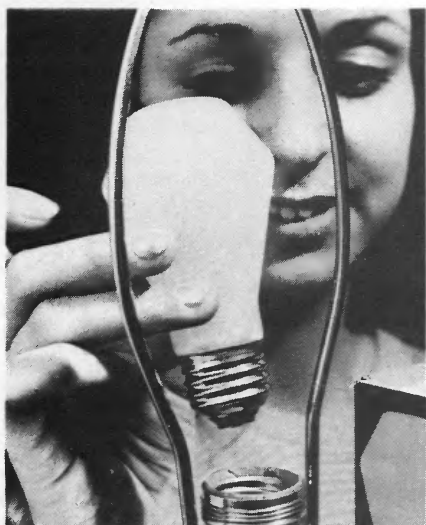


● Electronic Air Cleaner

An electronic air cleaner by General Electric is described as an effective device which cleanses the air of airborne particles by working in conjunction with your present forced warm-air furnace, central air conditioning system or heat pump. General Electric says the cleaner will remove more than 90 per cent of the soiling and staining particles which cause grimy accumulations to reduce the need for household cleaning.

● Deluxe Music System

Arvin's new component stereo phonograph with FM/AM/FM stereo radio and detachable speakers includes walnut wood-grain styling. The automatic four-speed changer is equipped with a smoked glass dust cover. Included for operating convenience are a dial light, stereo indicator light, slide rule dial and built-in antennas.



● 3,000-Hr. Light Bulb

A household light bulb with three times the life of an ordinary bulb has been introduced by Westinghouse Electric Corporation. With an average life of 3,000 hours—or from two to three years of normal home use—the Super Bulb will sell for about 75 cents. The extended life—achieved without sacrificing brightness—was gained through the use of krypton, a rare and heavy gas. Its weight causes krypton to act like a blanket, surrounding the tungsten filament in a bulb and retarding its evaporation, thus increasing the bulb's life without decreasing its brightness.

Co-ops Serve All Kinds Of People



Fred Stines publisher, Successful Farming, addresses Illinois cooperative representatives.

(Continued from page 4)

strong, community minded cooperatives. He said the strength of cooperatives is growing "because they meet a serious need of the people."

AND FRED STINES, publisher of Successful Farming, spoke on the "Challenge of Change."

Change, he said is a fact of life. "We must recognize the challenge of change," he continued. "We must anticipate it if possible and respond to it."

He said cooperatives need to join in efforts to protect the right of farmers to manage and control their own businesses. He predicted that large corporations will be unable to take over the farming industry.

Cooperatives can help the nation also, Stines said, in efforts to help farmers become even better businessmen. Farm production has skyrocketed. Now more attention must be paid to developing up-to-date management skills.

And it is essential, Stines continued, that farmers develop even more skills in marketing their products. He stressed the need for strong export marketing programs. These are essential, he said.

At the Springfield meeting attractive green bumper stickers were distributed by Illinois electric cooperatives. They carried the message: "Cooperatives Care."

Opportunity Is Where You Find It: Cochran

Children, is it true America is the land of opportunity?

Right you are!

But is it also true that Passport, that little town on a blacktop road somewhere southwest of Newton, also is a land of opportunity? Remember, it has only about 50 residents—if you count all the kids within a mile radius.

Right again!

"Opportunity is where you find it," says Mrs. Evelyn Cochran. She found it in her 85-year-old family home at Passport back in 1958 when she opened Cochran's Country Kitchen.

TODAY SHE HAS more business than she can readily care for. Dinner groups come from far and near. Recently two busloads arrived from Vincennes, Indiana with 80 hungry people aboard. Another night 60 came from Effingham. Electric cooperative groups have come from Newton, Flora and elsewhere.

Visitors have "dropped in" from Singapore and Venezuela. Governor Ogilvie, Secretary of State John Lewis and Congressman George E. Shipley have been guests. Passport, indeed, is "on the map."

Mrs. Cochran, a vigorous, cheery woman who must have some of the talents of an efficiency expert, says a thriving business such as hers can be started in almost any section of Illinois.

"You have to be a good cook and give people the food and service they like," she adds. "You have to be willing to work hard (an 18-hour day is not particularly unusual for Mrs. Cochran). But remoteness of your location is not a major handicap."

Mrs. Cochran, of course, has an advantage. Her grandmother used to operate the Bryant Hotel in the nearby village of Ingraham back in the late 1890s and early 1900s.

"Drummers—you know, traveling men—came from all around," Mrs. Cochran recalls. "They traveled by horse and buggy. The Bryant Hotel flourished and was famous."

With the passing years the number of drummers declined in the area and cars made them more mobile and less dependent on country hotels.

But Mrs. Cochran readily recalls the days when there were two grocery stores in Passport—there are none today—and drummers still called.

"My parents lived near one of the stores and frequently the owner would step out the door and holler to my mother, asking if she could feed a couple of drummers. When dinner was ready she'd ring a bell and they'd come hurrying over. They paid about 50 cents for all they could eat."

So it isn't too surprising that some years ago friends started asking Mr. and Mrs. Cochran to serve meals to visiting groups. Soon their fame spread. Mr. Cochran, who died in 1966, converted the family recreation room into an attractive dining area. There was an addition to the house. Numerous antiques added an interesting touch.

And the food . . . it was—and is—wonderful.

Carl Mitchell, electrification adviser for Norris Electric Cooperative, Newton, says flatly that Mrs. Cochran is a "wonderful" cook. No one disputes that. Some people say she bakes the most delicious angel food cakes in the world.



Mrs. Evelyn Cochran shows Carl Mitchell of Norris Electric Cooperative, Newton, some of the antiques in Cochran's Country Kitchen at Passport.

Mrs. Cochran serves evening meals only, Mondays through Saturdays, to groups having reservations. If she has no other reservations, the minimum service is for 12. Otherwise she'll accept reservations for groups of as few as six or eight.

Visitors making reservations normally specify the meat and dessert they prefer. Mrs. Cochran takes over from there.

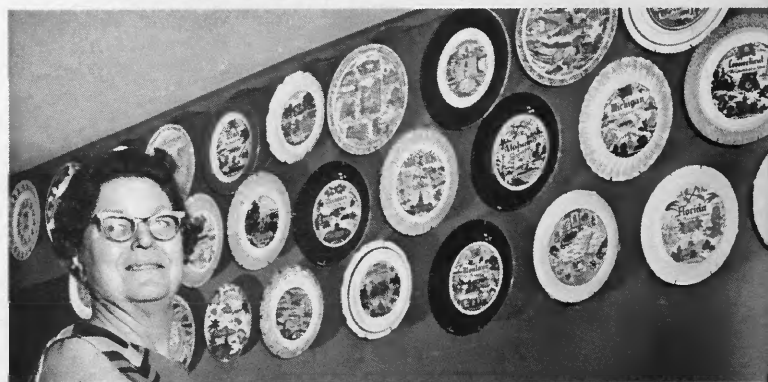
Her county fried round steak, roast beef, turkey, ham, fried chicken, Swiss steak, pies and casseroles all are famous. You should also try her scalloped eggs and cheese. Some say you haven't lived until then.

"I've many recipes that I obtained from my mother who obtained them from her mother," Mrs. Cochran says. "People frequently ask me for copies and I used to give them away, but not anymore. It just isn't a good idea. I've also been urged to prepare a cook book, but where would I find the time?"

Cochran's Country Kitchen is served by Norris Electric Cooperative. Mrs. Cochran uses five refrigerators and three 20-foot freezers. She does all the cooking. Her sister, Miss Alberta Kissel, who lives with her and serves lunches "over at the corner," does all the Country Kitchen serving.

If you'd like to know more about Cochran's Country Kitchen, or if you'd like to make a reservation, you might write Mrs. Cochran at Noble r.r. 2, or phone her at (618) 752-2202.

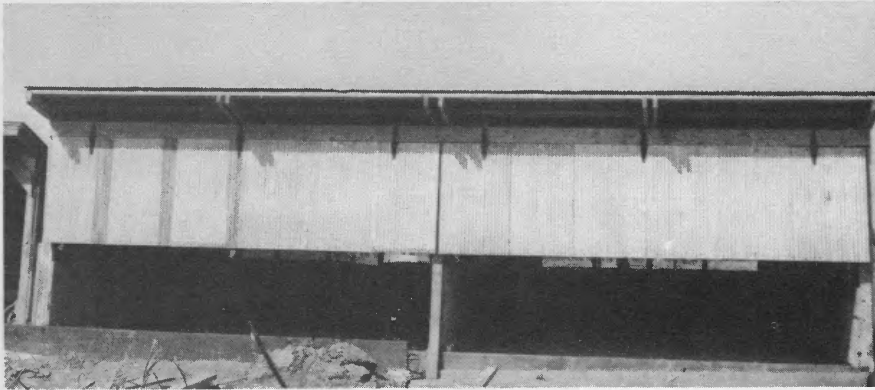
Plates from all states and several foreign countries, gifts of customers, adorn a wall of Cochran's Country Kitchen, a famed eating place in a town of 50 persons.



W. I. E. C. NEWS

Western Illinois Electrical Coop.

Carthage, Ill.



Pigs have faster gains on electrically-heated floors.

Heat with Wire—Not by Fire

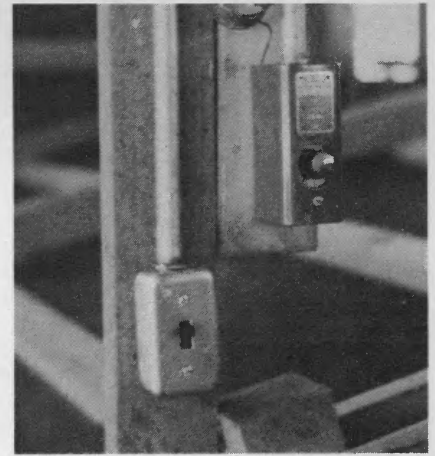
Heating buildings by the "beneath the floor" method has been used since Roman days. The method is still used by people in all parts of the world. Early people had to use open fires to supply the heat which was piped through vents or flues constructed under the floor. In some cases water was heated and piped beneath the floor.

Modern methods use ELECTRICAL HEATING CABLE or prepared MATS. These cables can be laid in concrete, laid on, or em-

bedded in a sand base under the concrete slab floor. Like any other type of electric heating, it requires proper and necessary insulation. Recent data has reflected low operating and installation costs making heat mats an even more attractive feature.

It is well-established that hogs require more energy during cold weather to maintain normal body temperature. This extra energy is lost from productive use and therefore results in a loss of potential

Les Aeilts, member service director, spaces the prepared heat mats in a bed of sand.



A sensing bulb, thermostat and switch permits the Bennetts to control the floor heat in one or both pens.

profit to the producer. Any means of adding to the comfort of the pigs during cold weather results in an improvement in feed efficiency.

The Donald and Clair Bennett families, who have electric base-board heat in their homes, farm south of LaHarpe. They farm 1,200 acres, plan to raise 1,200 swine and maintain a 90 cow Angus herd.

Donald recently returned from the service and he and his father plan to expand their swine enterprise. This expansion would have crowded their farrowing facilities. To ease this problem and to temper the change for the pigs they installed ELECTRIC HEAT CABLE in a hog house. The electrically-heated hog house will be used for the transition of pigs from the farrowing house to finishing. The Bennetts contacted Western Illinois Electrical Coop. for information regarding the installation of ELECTRIC HEATING CABLE in floors.

The Bennetts used prepared ELECTRIC HEAT MATS, 20 watts per square foot, laid in a sand base before the concrete was poured. They placed an inch of rigid urethane insulation against the inside of the foundation to a depth of two feet below ground level. A temperature sensing bulb, buried in the concrete floor, is connected by a capillary tube to a thermostat. The capillary tube and non-heating wires of the mats are inside rigid galvanized conduit and junction boxes for protection. The 12 x 24 foot hog house is divided into two pens and a switch permits the Bennetts to heat the floor of one or both pens. They can turn it all off with the thermostat.

For additional information contact the member service department at your Western Illinois Electrical Coop.

CO-OP COMMENTS

by Lee Leonard

Why do we use more electricity during the winter months?

This is a question we often receive this time of year. Although we have some ideas as to why one's usage may be higher than usual, we do not know specifically why a particular individual's electric energy usage increases because we don't know how the power is used.



Lee Leonard
Manager

The individual asking the question does not always know how he used it either. This is because electricity is used for so many things throughout each day that it's taken for granted and we are not really conscious of the fact that we are using it.

For those who may be questioning why their electric energy usage is up in the winter months, we will try to list some of the easily overlooked uses for this time of year:

1. Holiday (Thanksgiving, Christmas, and New's Year's Day) cooking and baking.
2. More use of lighting because of the shorter daylight period.
3. Most heating systems require the use of electric power and run almost continuously during the extreme cold periods.
4. Many use space heaters here and there in their homes and buildings.
5. Stock tank heaters and foundations are in use.
6. Engine heaters are being used for cars and tractors. In some known cases as many as five engine heating units are being used at the same time.
7. Electric blankets and heating pads are being used more.
8. Clothes dryers are used more, and those in unheated rooms use more energy.
9. Forgetting to shut a light or an oven off and discovering it several hours—or a day or two—later, conscious of the fact that we are
10. Heat lamps left on in pump houses or well pits.
11. Thermostats set too high on stock waterers.
12. A faulty thermostat on refrigeration equipment.



*Best Wishes for a
Happy Holiday Season
from the Directors and
Employees of
WESTERN ILLINOIS
ELECTRICAL COOP.*



Carbon Monoxide Is Deadly Killer

Many deaths are caused from carbon monoxide gas. It is a bigger problem in the winter because windows and doors are kept closed.

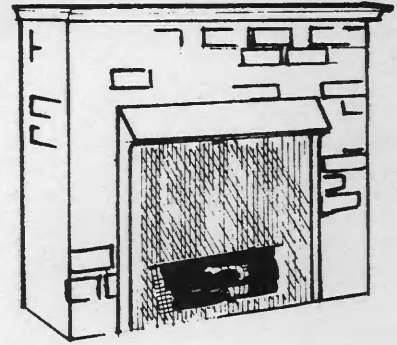
Carbon monoxide is a colorless and odorless poison which cannot easily be detected by sight or smell. It is the result of incomplete combustion of fuel usually due to faulty equipment. Defective or clogged chimneys and vents often are the cause. The incorrect mixture of air and fuel can create this hazard in your car or in your home.

It is present in the exhaust of a car. Always open the big door behind your car before starting the motor. Check the exhaust system periodically. A crack in the floor boards can allow fumes from a rusted out muffler to seep into the car and asphyxiate the occupants. NEVER sit in a parked car with the motor running and the windows closed. Occupants can be overcome without knowing what happened.

Carbon monoxide works fast. At first signs of dizziness, nausea and drowsiness, open windows or get into fresh air.

To give FIRST AID to an asphyxiated victim, you must first move him to a room of fresh air, not necessarily outside in extremely cold temperatures. Call for help. Shut off the gas and electricity to prevent an explosion. Start mouth to mouth resuscitation at once.

An Electric Fireplace Will Gently Warm You



Electric fireplaces are easily installed and do not need venting. They are adequate to heat any room. There are models designed for corners, for use as room dividers, to set on a platform or to be hung on the wall.

The variety of styles range from traditional to ultra-modern and include a rainbow of color choices. Now you can have the charm and fascination of a fireplace without the mess and problems that wood-fired units present.

There is no worry of flying sparks, no ashes to remove and no need to throw another log on the fire.

Electric fireplaces are inexpensive to buy and install and come as complete units. The heating element is sealed in and controlled by a built-in thermostat. A built-in fan system radiates warmth throughout the room. They range in heating capacity from 1,500 to 5,000 watts. The smaller units operate off a regular 120 volt outlet. The larger capacities must be wired to a 240 volt circuit.

If you have always wanted a fireplace but couldn't afford one, now you can, or if you have need of heat in a room, this is the answer to your needs. They make a welcome addition to any room.

Entertainment centers vary in quantity, quality and cost. They can be purchased all in one cabinet or a unit at a time.



What's New?

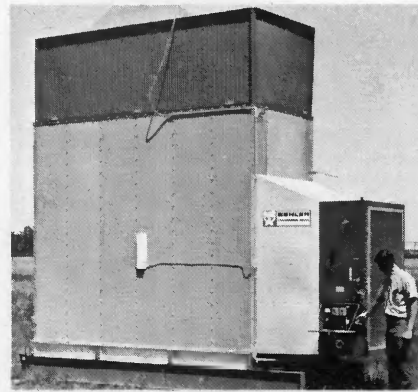
● Socialite Lamps

The Socialite lamp and fixture combination by Westinghouse includes a globe-shaped 25-watt bulb with a rated life of 2,500 hours; heavy black base; six-foot cord and an on-off switch. Moods can be heightened with the soft glowing lamps which come in deep rich colors: passion red, celebration fuchsia, meditation black, solitude blue, serenity green and togetherness amber. The lamp and fixture combination is expected to retail for less than \$8; bulb only for less than \$3.35.



● Furniture Look

West Bend's humidifiers for 1972 feature an elegant fine furniture look and exclusive constant comfort control, which coordinates fan and water wheel speed to produce an unwaveringly uniform humidity level effortlessly and quietly. A concealed control panel and reversible summer cover will convert the unit into an off-season end table. Top-of-the-line models feature tilt out front panels for convenient filling.



● Re-designed Dryer

Behlen has re-designed their compact "380" continuous dryer with a unitized ring burner and control section with a built-in control panel to provide greater operating convenience and protection against dust and weather. The unit will dry and cool grain through two vertical columns at rates up to 265 dry bushels per hour (input, 281 wet bushels), removing five points of moisture. Filling and unloading augers simply plug into the dryer's electrical system to achieve total automation.



● Electric Mower

The new John Deere Electric 90 riding mower has plenty of power to mow an acre of lawn. The electric motors reduce noise and vibration and eliminate exhaust fumes and heat. One motor propels the riding unit and two motors power the twin cutting blades. To recharge the batteries the operator plugs a self-contained charger cord into any household electric outlet. Full power is restored in 12 hours and 80 per cent power is restored in five hours. Optional equipment includes a front-mounted blade designed for light snow removal.

Time to Plan Now for '72 Essay Contest

High school students (your parents may listen too), this is just for you. It's a special message from the more than 500 Illinois young people who in recent years have participated in electric cooperative-sponsored "Youth to Washington" tours.

They say, in effect:

"The week-long, expense-paid trip to Washington will always be a highlight of our lives. We'll never forget it. At Washington we met hundreds of other high school students from throughout the nation, all staying at the same big, beautiful motel. What excitement! We made wonderful friends. We had a ball and we learned things about our cooperatives and our nation that we possibly would have learned in no other way."

THESE YOUNG people, and their parents, are saying, earnestly, to today's high school students, "If you're eligible, be sure to enter the 1972 contests that will determine this year's winners. It costs nothing. And practically every one of the hundreds of previous winners thought they had no chance of winning. But they won. So may you. But you have to start."

Last year 51 young Illinois students made the Washington trip. They represented 21 participating electric cooperatives.

Each participating cooperative makes its own rules. Most use an essay contest to determine winners. Essays may be as short as this article, although most run closer to 1,000 words. That's usually the limit. Some winners have spent only a half day, or even less, on their entries.

USUALLY participating cooperatives limit entries to high school juniors, but some permit sophomores to enter.

It's a good idea to talk with someone from your cooperative and learn whether that cooperative is participating and whether you're eligible. You'll find your cooperative representatives are fine, friendly, knowledgeable men and women who are extremely interested in YOU. You doubt this? Try them! You may make some fine new friends. And that's a good idea.