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July 1979

Illinois Rural Electric News

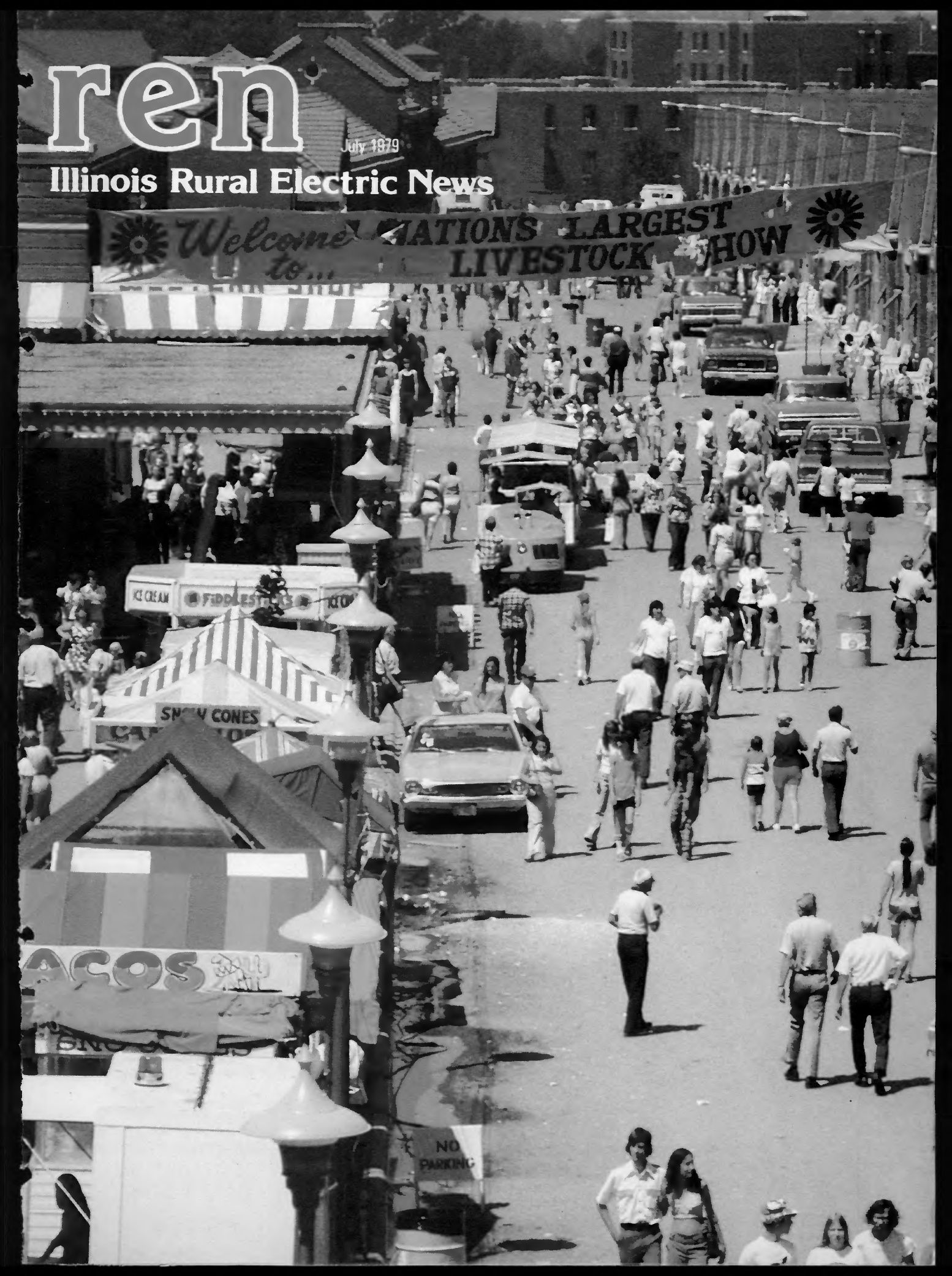
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Illinois Rural Electric News

Adequate electric generating capacity a 'constant challenge'

Oil and gas imports will continue to play a key role in helping meet the nation's energy needs at least through the end of this century. And, despite evidence that a combination of voluntary conservation and new efficiency standards for appliances may help trim the rising growth in electricity demand, a recent energy supply and demand forecast of the Electric Power Research Institute (EPRI) shows electric producers will face a "constant challenge" in building the capacity to keep pace with growth through the year 2000.

This challenge will result, according to an article in the June 1979 issue of the *EPRI Journal*, from possible severe cutbacks in the expected growth of nuclear power and difficulties imposed by the siting and environmental requirements for new coal plants.

"Electricity use will continue to rise (at least through the year 2000) faster than total energy use," according to the *Journal*. Electricity's total share of energy used in the United States is now seen as reaching a level of between 35 and 40 percent by the end of the century, according to the article.

The forecast of continued high oil consumption, "is not a happy prospect," reports the *Journal*, "in terms of the national drive to switch our energy base from oil to

coal. Coal needs for electricity production can be met domestically, whereas increasing oil use inevitably points toward increasing imports."

As for new sources, including solar and geothermal, the *Journal* says that—at least for the remainder of the century—"the role of alternative technologies is expected to remain very small."

"All of them put together will provide only about five percent of our domestic energy supplies," the report says. "By 2030, however, that figure could grow to about 25 percent."

Hydro power is limited in its potential to help supply the country's future energy needs, the report says, "for one simple reason: the number of suitable sites is limited."

Noting that there are natural advantages to trade between North American countries, the report adds that "an increasing portion of our fuel imports may come from our immediate neighbors, Canada and Mexico."

In the meantime, the *Journal* says, periodic energy crunches will occur, and the "dream of providing all our needs from domestic resources will not come true during this century."

"And," it adds, "we will never again have energy at the bargain prices of the past."

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Cover: Summer is State Fair time in Illinois and August 9-19 are the dates of this year's edition in Springfield. For what's happening this year, see pages 18 and 19.

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Godfrey Weber of rural Paris in Edgar County told his wife, Okel, it was "high time" to do something about the situation at their local electric cooperative.

Godfrey Weber is 88 and is not above using the office of his age to get things done. In fact, the folks around Edgar County will tell you that the twinkling-eyed octogenarian is almost always up to getting something or other done. This time the life-long farmer had Edgar Electric Cooperative in his sights.

Cooperative Manager Maurice Johnson was overwhelmed after a short telephone conversation with Weber. A seasoned manager with 25 years experience at the 5,000-member system, Johnson had never encountered a situation like this. "I assumed it was a routine call; some remote storm damage at the worst or maybe we'd accidentally set a pole in his driveway or sprayed weed killer on his lilac bushes. But this call really caught me off guard."

Johnson had barely regained full composure from the phone call, when Godfrey Weber arrived at the cooperative's Paris headquarters and demanded to see him in person. Johnson was unnerved as he faced

Weber, a cooperative member since the first lines were energized in 1939.

Weber thrust a hand-written letter at Johnson. "I took the letter in myself so I could see the expression on his (Johnson's) face as he read it and so he would know that we should make arrangements on this thing as soon as possible," Weber recalls.

Godfrey Weber didn't have a "beef" about high electric bills or unsatisfactory service; no complaint at all in fact. But he did want some attention and he could think of no better way to get people's attention than to say, "Let's eat."

A strong cooperative supporter since the early days of Edgar Electric's organization, Weber wanted all his cooperative's employees and board members to join him and Okel, his wife for 63 years, on June 14 for a home-cooked dinner "to say thank you to all the faithful folks who have for so many years given of their time and energy, many times beyond their actual duties, to keep the cooperative's work taken care of at the

proper time."

Nearly 80 persons, including present directors, employees and their families, joined the Webers for a ham dinner in Paris. Also attending were three surviving members of the cooperative's original board of directors: O. Clifford Winans, an incorporator; Russell Elledge, a director and employee, and C. Earl Winans, all of Paris. The meal was provided by Reels Catering Service of Paris, who are also members of the cooperative. Byron G. McCoy, president of Edgar's Board of Directors, served as master of ceremonies.

After dinner the group heard brief speeches from retired board members and a condensed history of the cooperative delivered by Lawrence Langford of Paris, a member of the Edgar County Farm Bureau committee which helped organize the cooperative in 1938. Manager Johnson thanked the Webers for their hospitality on behalf of the cooperative's directors and employees and recounted his tale of

'I assumed it was a routine call'

Member gets feelings about





In the far left photo, employees and directors of Edgar Electric Cooperative were guests of the Godfrey Webers during a special appreciation dinner. Weber and his wife, Okel, seated in the foreground of the photo at the near left, said they wanted to say "thank you" to the co-op employees and board for the 40 years of faithful service to the Edgar members. Seated behind Weber is Edgar Board President Byron G. McCoy and standing at the microphone is Lawrence Langford, a member of the committee which helped organize the electric cooperative in the late 1930's.

cooperative off his chest

initial shock at Weber's invitation.

Then it came time for a "few small stories" from the host and hostess. It's doubtful if a tape recorder could have kept up with the Webers' rapid-fire monologues as they recalled cooperative pioneer tales and humorous local events, interrupted only by the laughter of an appreciative audience.

Weber recalls his May 21st letter delivered to the cooperative manager:

"I've been using electricity from the time the cooperative started and I've really appreciated all the willingness and kindnesses all the good people have shown for so many years. I thought many times I would like to thank all of you in some way, but never have and I know that there are hundreds of folks all over the country that have the same sentiment as me, but that never express themselves in any way."

Weber explains that he's "mulled the idea over for a long time, and

thought perhaps the idea might seem like a lot of foolishness to some people." Following hospitalization from "a bladder problem which held me back some," Weber contacted Johnson. "It seemed to me to be the best time to do this so I could show some appreciation to these cooperative people for all their hard work."

Admonishing electric cooperative employees on what, at times, can be a thankless job, Weber says, "All you folks working with the cooperative should realize you are doing a great favor to the people you serve. Think of the benefits we all receive with electricity. We would feel real sad now to be without it for only a very short time.

"You seem so different than so many classes of (public) servants that care only for the money, go on strike, whine for so many extra favors and throw down their tools on the dot.

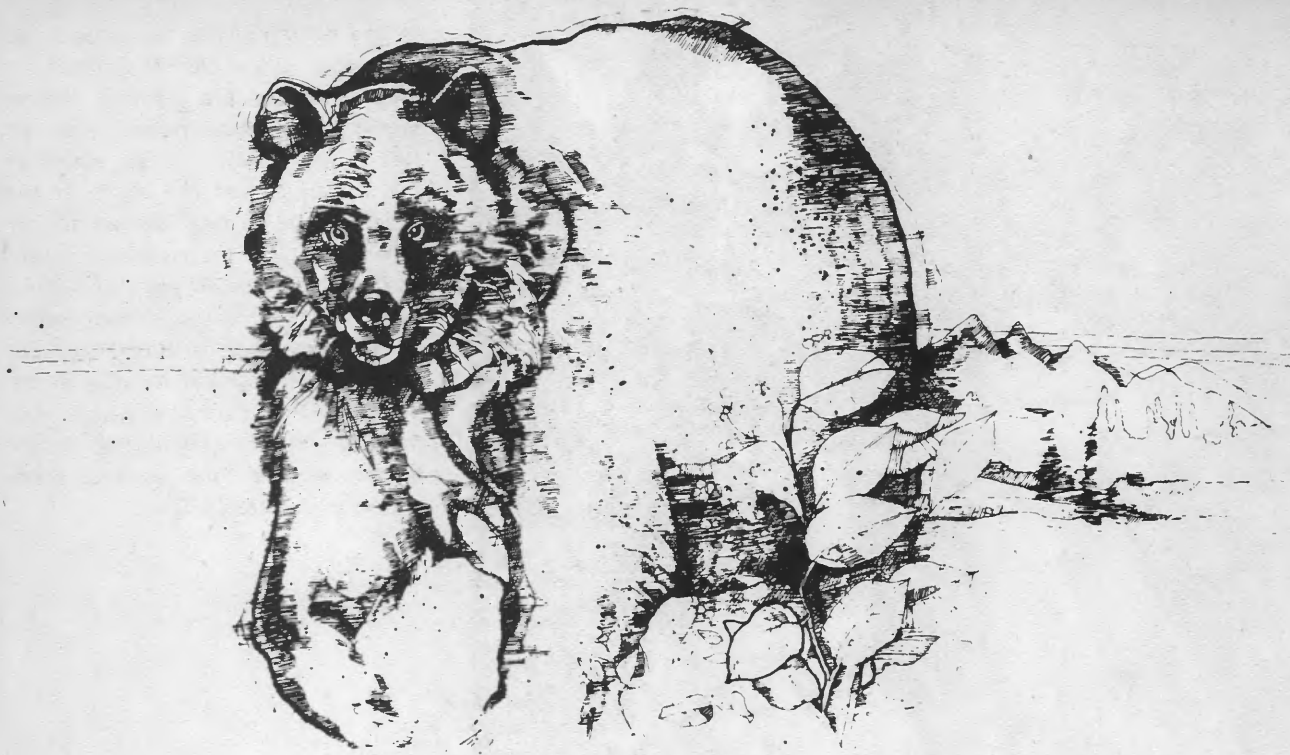
"But we see many of you in time of storm or trouble. Instead of saying,

'We'll try and do it tomorrow,' you take out right now in rain or storm, Sunday or not, and get the job done. And this is not one day or a week, but for many years it has been the same."

Echoing the sentiment of many a cooperative pioneer, Weber philosophizes about cooperative people. "I think people who work to help others in so many ways besides just for the money have a better feeling inside because they are helping others and probably enjoy their life more than the selfish folks. They're pleasanter and healthier folks and contented people are just a little better."

Godfrey Weber was one of those first Edgar Electric member-owners to have his farm home electrified. "Few people today realize the time and planning and work it took to get this cooperative started. It was impossible to get the electric companies that were here to supply electricity to country people because homes were so far apart and it would cost them so much to build the lines that it would not pay the cost and make them money. The country people took it upon themselves to try and get it done," Weber said.

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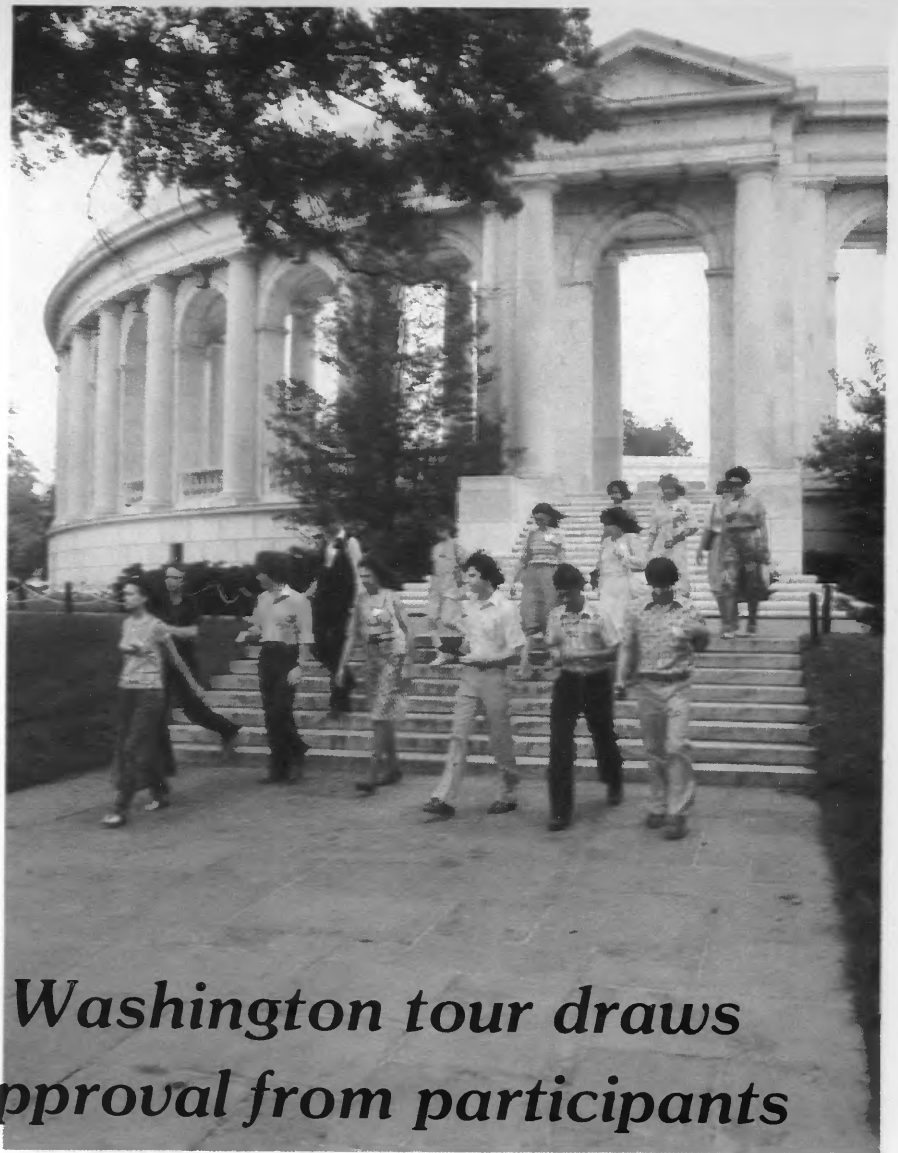
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At the right, the amphitheater at the Tomb of the Unknown Soldier provides a background for Illinoisans during their tour of Arlington National Cemetery. Below, Illinois students await the arrival of President Carter's son Chip during their special day at the White House.

When one of the participants in the Youth to Washington tour wrote that the trip "had to be about the best experience in my life," he spoke for a great number of the young people who made the trip. Comments coming in from the 66 Illinois students who made the journey to the nation's capital in June indicate the 20th annual tour was another success for the 21 sponsoring electric cooperatives and the Association of Illinois Electric Cooperatives, which coordinated the tour.

From the time the students departed Springfield June 8 by chartered buses until their return on June 15,



20th Youth to Washington tour draws enthusiastic approval from participants





Clockwise from left: After a busy week the travelers relax prior to their return to Illinois with a poolside cookout-style lunch. The National Air and Space Museum offered tour participants a look at the history of manned flight. High on the list of things to photograph was the grave site of President John F. Kennedy. Stephanie Green (front row) of Mounds was elected the Illinois representative on the NRECA Youth Consulting Board; second from left is Randy Rings of Burnside, whose year-long term as president of the YCB ended during the June activities in Washington.

they were active participants in one of the outstanding tours of Washington, D. C., and Gettysburg, Pennsylvania. In a fast-paced week, the young people, many of whom were winners of electric cooperative-sponsored energy essay contests, visited a variety of Washington historic and national attractions, as well as the National Military Park at Gettysburg.

In addition, they participated along with more than 900 students from 23 other states and eight countries in "Rural Electric Youth Day" activities.

Included in their tour were: the



Capitol (complete with a visit to the Senate gallery), Library of Congress, Supreme Court, Smithsonian Institution, Washington Monument, Lincoln Memorial, Jefferson Memorial, Arlington National Cemetery, U. S. Department of Agriculture, Embassy of Japan, Islamic Center, Marine Corps War Memorial, Ford's Theatre, Mount Vernon, Bureau of Engraving and Printing and Kennedy Center.

During the week the students had the opportunity for visits on the Capitol steps with the state's two Senators, Charles Percy and Adlai Stevenson, as well as meal functions or office visits with Representatives Paul Simon, Paul Findley, Tom Corcoran and George O'Brien.

The trip also involved the youngsters' participation in youth day activities, including Illinois' election of Stephanie Green of Mounds as the state's representative on the Youth Consulting Board of the National Rural Electric Cooperative Association. Miss Green was sponsored by Southern Illinois Electric Cooperative. Randy Rings of Burnside, who as a participant in last year's tour was elected President of the YCB, presided during youth day activities.

Highlighting the day's program was a speech by noted energy-nuclear consultant and author Dr. Ralph Lapp.





Camping in Illinois an answer to fuel supply problems

As the fuel situation changes—usually for the more confusing—the nature of the American vacation seems to be shifting, too. Many Americans are taking vacations closer to home. For many, that means a camping trip instead of a long-distance tour.

There are many campgrounds in Illinois, offering accommodations ranging from paved pads with water, electric and plumbing hookups down to shower facility places for backpackers finishing a long day of walking. Some offer a combination of sites, as do two campgrounds in Western Illinois Electrical Coop.'s service area.

As many vacationers turn to camping as a "new" vacation, they are likely to find that they forget a few of the items they feel are

essential. No matter—most campgrounds these days have fairly well stocked stores to help the forgetful, or for those who stay long enough to use up their staples and do not want to drive into town.

Alan Korte, of the Deer Run Campground, a few miles east of Carthage, notes that most campers forget the little things such as water hoses or extension cords, or their three-prong adapters. "We have a pretty good supply of campers' needs in our store," he says, "and so do most campgrounds, so it's not as big a problem if the camper forgets an item as it was several years ago."

As for those new to camping, or just returning after several years of more sophisticated vacations, Korte notes that other often-forgotten items

are flashlights and swimwear.

"Kids like to have flashlights to wander around here at night," he says, "and they can have a lot of fun at it. And, unlike some of the larger and more heavily-used public park areas, it's quite safe here, where the admission's pretty well controlled. Insect repellent would be a good bet, too."

He adds that most campgrounds have some kind of swimming area, either a pool or a beach. "We have a solar-heated pool here," he says, "and it's a really popular place." Deer Run also has a two-acre pond which is periodically stocked with full-size channel cat for those who like to wet a line now and then.



ILLINOIS RURAL ELECTRIC NEWS

At left is a view across the two-acre fishing lake at Deer Run. The lake is stocked periodically with channel cat to add interest. At the lower left, Korte checks the solar-assisted swimming pool heater. The solar setup, made up from leftover pipe, increases the temperature of the water from the pool by 10 degrees F. on a sunny day, he says.

As in many campgrounds, there is a variety of sites. Individual plots under the pines are popular and have full facilities, while the camp's other full facility area is popular, too, even without the trees.

A tent camping area is provided, and a semi-primitive area is set aside for those dedicated souls who need no more amenities than a nearby water faucet.

Breezewood Campground, a few miles South of Nauvoo, offers similar facilities in a different setting: it is on a hillside overlooking the Mississippi, and offers a splendid view of that waterway.

Breezewood is owned and operated by Lyal and Jane Davis and their sons, and Mrs. Davis concurs with Korte's belief that water hoses, electric cords and swimwear are the most often forgotten items. Their store also carries a fairly full line of supplies for forgetful campers.

The Davises were featured in a national publication as a family who kicked out of the nine-to-five races and went into business for themselves, apparently a dream of many.

Breezewood, like Deer Run, also offers seasonal camping, where families may bring their camp trailers in at the beginning of the season and leave them until fall, perhaps just visiting on weekends and vacation times.

No matter what your choice of camping styles, there are plenty of campgrounds in Illinois that will have facilities to suit your tastes, and you may be able to avoid the fuel crunch, too.

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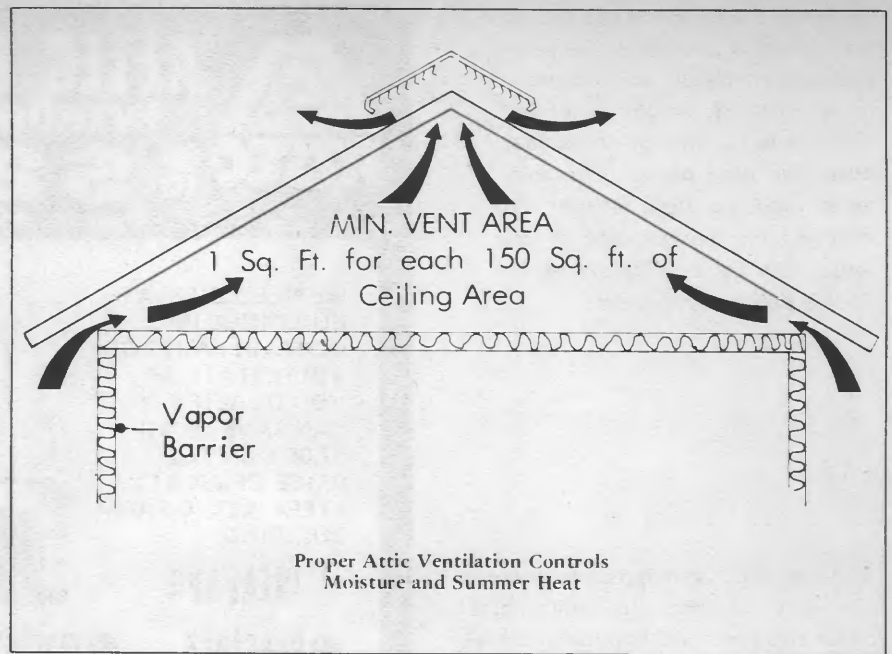
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In winter and summer, proper ventilation is

Ventilation of attics and crawl spaces should be of particular interest to homeowners, especially with the larger amounts of insulation being installed in residences today. Properly installed ventilation equipment is extremely helpful in reducing moisture build-up in winter, lowering the risk of mildew conditions and helping to prevent excessive heat gain to the structure in the summer. The proper installation of this equipment is an important part of any plans which call for the addition of insulation in either an old or a new home.

Many times the addition of ventilation equipment is often overlooked by homeowners simply because of lack of knowledge of the purpose for these units. But, because of their importance, more forethought should be given to the amount, type and location of these units during any

installation. Because of the different roof shapes and attic sizes, it is very difficult to make general recommendations which will apply in every case. Therefore, the installed ventilation equipment should be discussed with the builder or insulation installer prior to the actual installation.

Ventilation is necessary for both attic and crawl space areas. The amount of ventilation in both cases will depend upon whether a vapor barrier is installed in both locations. All ventilation equipment should be installed to take as much advantage as possible of natural air movement. The amount of equipment and particular type of equipment you choose should fit into your overall heating and cooling plans for your home.

It is important to note when you purchase the various kinds of equipment that each will have listed on the

unit the net free area of ventilated space. When reading the specifications for ventilation, the net free area which should be installed is the total net free area. It is important to note that a 12-inch-by-12-inch vent, because it has a certain amount of louver cover and screen mesh cover, will not be one square foot of free vent area. It is more likely to be one-half a square foot of free area. This would necessitate the installation of two of these units to get one square foot.

Depending on the shape of the roof itself will also have a bearing on how effective wind power or electrical powered ventilators will be. To know the effects of any of these installations one must inspect the installation after it is completed and in use.

For attic ventilation, the net free area should be no less than one square foot per 150 square feet of ceiling area if there is no vapor barrier installed in the ceiling and one square foot per 300 square feet of ceiling area if there is a vapor barrier in the ceiling. Of this net free area, approximately 50 percent should be installed low on the roof with the other 50 percent being installed high on the roof. A good example would be to have soffit ventilators in the eave and a ridge ventilator in the middle of the roof.

For crawl space ventilation, it is of particular note here that a 4-mil polyethylene vapor barrier on the

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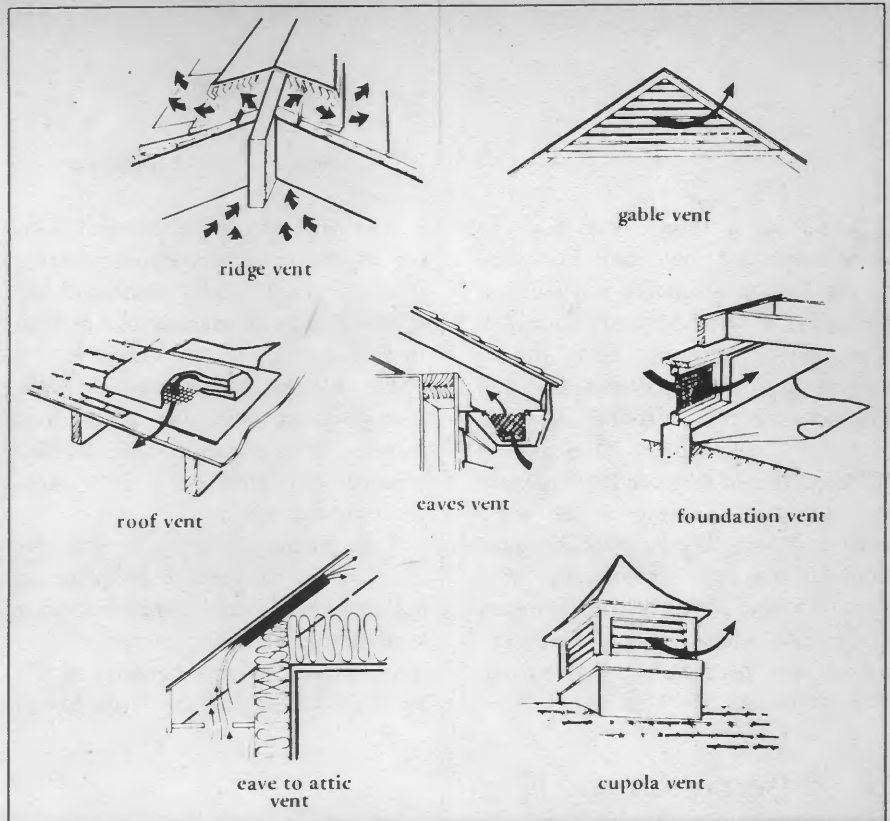
necessity

floor of the crawl space is recommended to help prevent any moisture problems. This vapor barrier should be laid on the floor and allowed to extend up the crawl space walls approximately six inches on all sides. With this vapor barrier installed, it is only necessary to install one square foot of vent area for every 1,500 square feet of floor area. Without the vapor barrier, it would be necessary to install one square foot of free vent area for every 150 square feet of floor area.

The ventilation in the attic should be free at all times. Special care should be taken when additional insulation is installed so that no blocking of this vent area occurs. In the case of the crawl space ventilators, one may want to close them in the winter depending upon where the heat ducts are and/or how that crawl space is insulated. They should remain open in the summer.

Remember, different construction requires different solutions no matter whether you choose natural ventilation or some type of artificial ventilation, the only way for you to be sure the installation is doing what it should be doing is by checking the installation after it has been installed. By knowing what to expect from the ventilator after it has been installed, will be able to judge after the completion of the installation whether or not it is doing what was intended.

JULY 1979



VENTILATION AND MOISTURE CONTROL

1. Kitchen: An exhaust fan vented to the outside air should be installed.
2. Utility Room: In rooms containing plumbing fixtures and laundry equipment and not readily accessible to the free movement of air from an area controlled by a fan, install an exhaust fan of not less than 300 CFM capacity. Vent this fan to the outside air.
3. Bath: Equip all baths with an exhaust fan. Vent all fans to the outside air.
4. General:
 - a. Vent all clothes dryers to the outside air.
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Rural areas should not have to bear more than their fair share of the burden of energy conservation measures, a Rural Electrification Administration official told Illinois electric cooperative power use and member services personnel in June.

John T. Barringer, Director of REA's Office of Program Development and Analysis, speaking at the semi-annual Power Use-Member Services Conference at Mt. Vernon, said, "If it comes to real sacrifice in the interest of energy conservation, we don't believe rural people should have to do more than their fair share."

Barringer's reference to rural areas and their fair share of conservation effort restated REA's understanding of the growth of electric use in rural areas compared to the country as a whole. Electric cooperatives, he said, average about twice the annual load growth of the nation, due to the growing population in non-metropolitan areas.

The greater rate of growth for areas served by electric cooperatives has been taken into consideration in formulation of REA energy conservation programs implemented last fall, Barringer said, adding that probably all

of the electric cooperatives in Illinois are in compliance with the new policy. He said that all some systems needed to do was "get down on paper what you're doing to conserve energy and to help your members conserve." Barringer was speaking of long-existing energy conservation and efficiency programs carried on for many years by Illinois electric cooperatives. Long before energy problems became front-page news, the state's electric cooperatives have worked with their members to help best utilize electric power.

For Illinois electric cooperatives, REA's main emphasis on conservation is in the area establishing procedure for collection of information related to the cooperatives' conservation programs. All REA electric distribution borrowers are required to provide REA with energy conservation infor-

Of conservation sacrifices

Co-ops should carry only their fair share



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Len J. Koch, Vice President of Illinois Power Company, updated conferees on the status of nuclear power in the wake of the Three Mile Island incident. Koch emphasized the necessary role of nuclear as a replacement for petroleum in the nation's energy mix, noting that the United States is faced with a petroleum problem, not an energy problem.

Illinois Power Company is a partner along with two Illinois generation and transmission cooperatives—Soyland Power Cooperative and Western Illinois Power Cooperative—in the nuclear Clinton Power Station.

How Kentucky electric cooperatives have developed and implemented energy audit and conservation programs was discussed by Jim Norris,

At the right, Len Koch of Illinois Power Company was one of the speakers during the two-day session. Below, power use and member services representatives gather pamphlets and brochures on energy conservation and efficiency available during the meeting.



Member Services Director of Jackson Purchase Electric Cooperative, Paducah, and Krista Kennedy of Western Kentucky Rural Electric Cooperative and a Residential Energy Advisor for the Tennessee Valley Authority. Norris focused on his cooperative's energy conservation and management plan and the various forms and worksheets used to complete home energy audits. Kennedy outlined how TVA personnel work with consumers for on-site inspections and audits.

Bill Simpson of Country Mutual Insurance Company, Bloomington, used a slide presentation to illustrate wiring problems facing both farmers and insurers. He showed several instances of inadequately wired hog confinement buildings, many of which had a high potential for fire loss unless changes were made.



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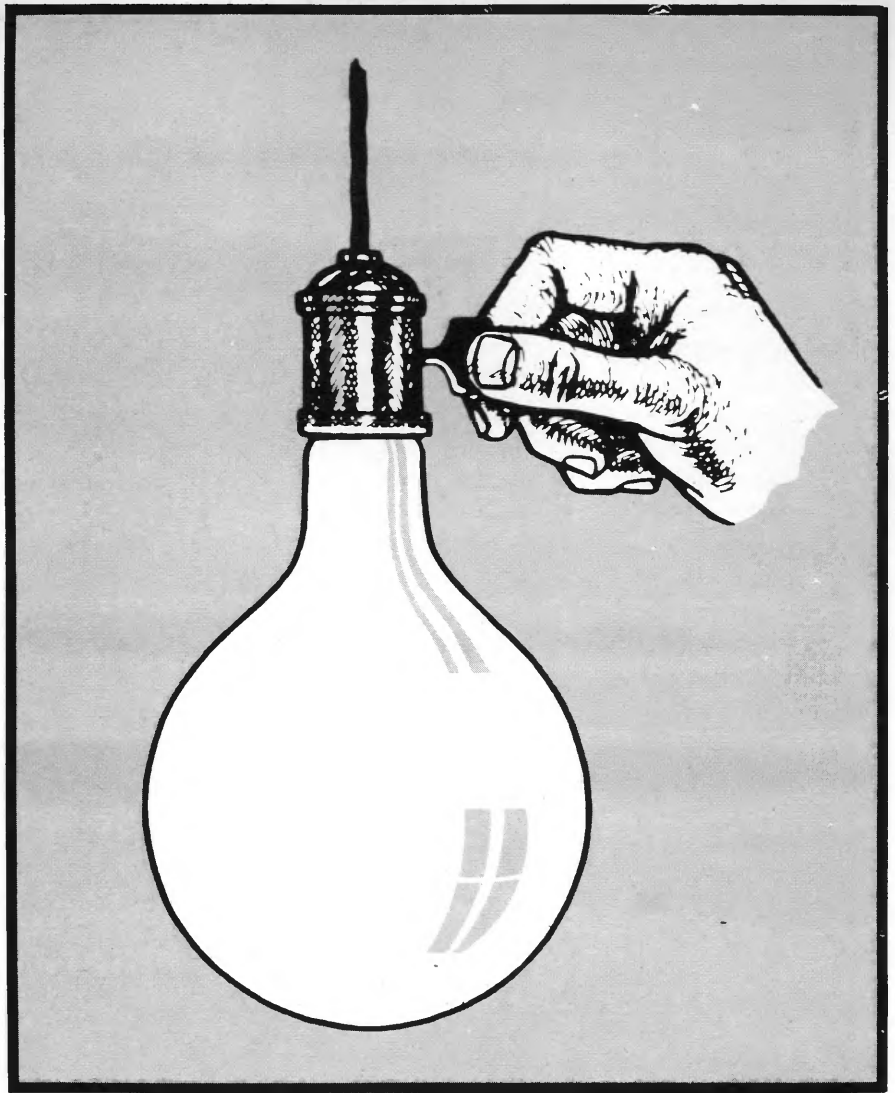
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Indoor lighting conservation can save you money



It is easy to use more light than you need. The U.S. Department of Energy estimates that more than 16 percent of the electricity we use in our homes goes into lighting. Many of us overlight our homes, so lowering lighting levels can be conservation.

To reduce your use of electricity and save money, consider these DOE tips for indoor lighting:

Turn off lights in any room not being used.

Light-zone your home. Concentrate lighting in reading and working areas and where it is needed for safety (stairwells, for example). Reduce lighting in other areas, but avoid very sharp contrasts.

Reduce overall lighting in non-working areas, remove one bulb out of three in multiple-bulb fixtures and replace it with a burned-out bulb for safety. Replace other bulbs throughout the house with bulbs of the next

lower wattage.

Consider installing solid-state dimmer or high-low switches. They make it easy to reduce lighting intensity in a room and thus save energy.

Use one large bulb instead of several small ones in areas where bright light is needed.

Use long-life incandescent lamps only in hard-to-reach places. They are less efficient than ordinary bulbs.

If you need new lamps, consider the advantages of those with three-way switches. They make it easy to keep lighting levels low when intense light is not necessary, and that saves electricity. Use the high switch only for reading or other activities that require brighter light.

Always turn three-way bulbs down to the lowest lighting level when watching television. You will reduce the glare and use less energy.

Try 50-watt reflector floodlights in

directional lamps (such as pole or spot lamps). These floodlights provide about the same amount of light as the standard 100-watt bulb but at half the wattage.

Use fluorescent lights whenever possible. They give off more lumens per watt. For example, a 40-watt fluorescent lamp would save about 140 watts of electricity over a seven-hour period. These savings, over a period of time, could more than pay for the fixtures you would need to use fluorescent lighting. Fluorescent lighting is especially suitable for kitchen sink and countertop lighting, as well as makeup and grooming areas.

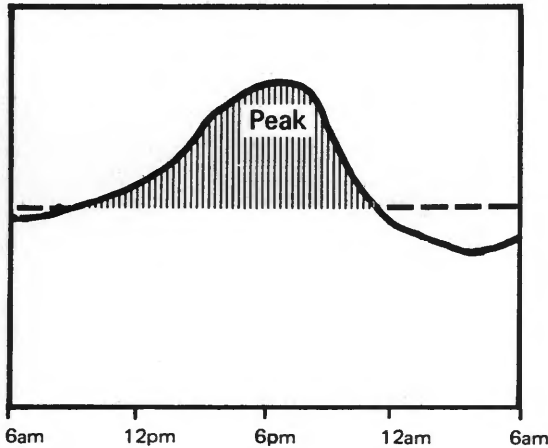
Keep all lamps and fixtures clean. Dirt absorbs light.

You can save energy through decorating. Remember, light colors for walls, rugs, draperies and upholstery reflect light and therefore reduce the amount of artificial light required.

You Can Do Something About Rising Power Costs

PRACTICE 'PEAK AWARENESS'

The most expensive electricity that you use is produced between 5 p.m. and 9 p.m. on hot summer days when higher cost fuels are burned to meet consumers' surging electrical demands. You can reduce your Electric Cooperative's rising power costs by limiting your electrical consumption during this critical daily peak period, particularly during the hot summer months.



Peak demand occurs during one critical period each day when consumers use the maximum amount of electricity.

As summer temperatures rise, the daily peak demand climbs higher and the cost of producing your electricity climbs, too. The peak demand usually occurs between 5 p.m. and 9 p.m. when many members and their families return home from work and other activities and wash, cook and become active around the home or farm.

Be aware of these expensive peak demand periods. Wash clothes in mid-morning, delay showers and dish washing until late evening hours and use no more than one major appliance at a time. You can help balance your Electric Cooperative's overall system load and can reduce the need for more expensive wholesale power to meet high peak demands.

Effective energy management in your home or at work makes the most of available energy resources and can delay future rate increases by postponing the need for costly new power plants.

Practice "peak awareness" and help us keep your electricity costs down.



Electric Cooperatives of Illinois

Energy: today and tomorrow

At right, the focus is on the best in Illinois agriculture as several breeds of cattle are judged at the fair. Other animals, such as poultry, swine, mules and sheep, are judged as well during the largest agricultural exposition of its kind in the U.S. At lower left is the arch to the popular midway, near the main gate. At lower right, while most of the fairgoers walk, others take to the air to get across the fairgrounds and see the sights. The area is filled with entertainment, exhibitions, special tents and contests that all Illinoisans can enjoy.



State Fair offers something for all Illi

The Illinois State Fair is set for August 9-19, and all the old standby features are still planned; some new attractions are in the works, too.

Illinois Talent on Parade, a daily variety show, will present the best talent from throughout the state. It will feature Illinoisans of all ages in every kind of act, and will be held

in the Illinois Building Theater.

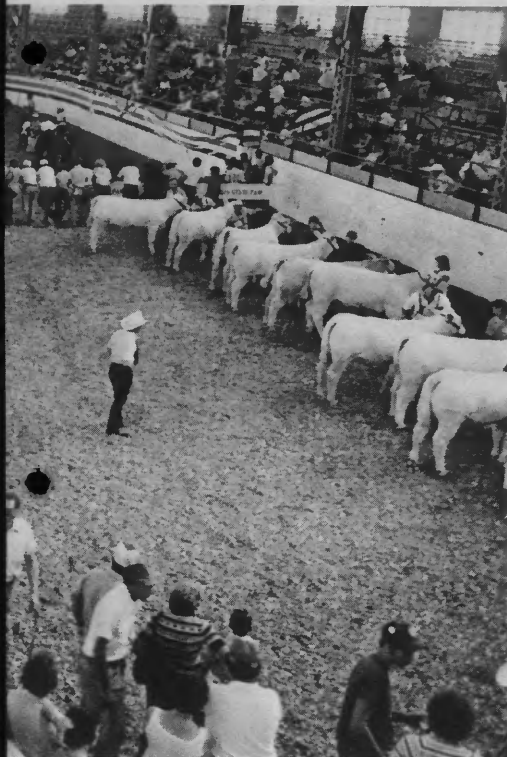
Racing buffs will be able to "Get the Feel of the Wheel," as cars of every description, displays and well-known drivers fill this huge exhibition. Fans will be able to talk to drivers and crew members, and climb into a car to catch the flavor of the track.

A Water Follies show is new this year, too, and the world's largest

pools and stage are used to present the show. Champion stunt divers, water ballet scenes and lavish stage production numbers will make this two-hour show an attraction for many.

For alternative energy enthusiasts, there will be a Solar Hot Water Design Competition. The Institute of Natural Resources and the Illinois Office of Education have joined forces to





noisans

bring to the State Fair competition which seeks design approaches to solar domestic hot water systems. This complex will be on the southeast end of the grounds.

Among the established displays, Agri-World 1979 will again give farmers an opportunity to look over the largest in farm machinery and related equipment. About 100





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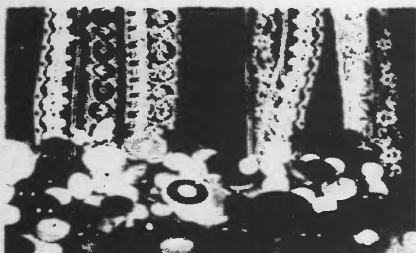
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exhibitors will display their wares.

For those who like music and entertainment, that part begins with Bill Cosby and Mary Macgregor on Friday, August 10. The slate continues with Willie Nelson the next day, and with Chicago on Monday, August 13, Helen Reddy on Tuesday, August 14, Chic on Wednesday, August 15, Tony Orlando on Thursday, August 16. The Dallas Cowboy Cheerleaders will be an added feature on that day. The Statler Brothers and Barbara Mandrell will perform Friday, August 17, and Dr. Hook and Tanya Tucker will be the next evening's attractions. The final night, Nostalgia Nite, will feature Jerry Lee Lewis, Chubby Checker and Brenda Lee. Each entertainer will perform two shows, one at 7 p.m. and another at 9 p.m., except Sunday, August 19, when there will be only one show at 7 p.m. Tickets are already on sale.

Quarter horse racing will be the featured event on Thursday, August 9, and the tractor-pulling competition will take place the next day, and finals will be Saturday, August 11. Tickets are general admission, and are sold at the gate. August 13-17 will feature harness racing at the grandstand with post time at 11 a.m. daily.

The Tony Bettenhausen Memorial 100 Auto Race will begin at 2:15 p.m. Saturday, August 18, and the Alan Crowe 100 Late Model Stock Car Race will start at 2:15 p.m. the following day. Time trials for both these USAC sanctioned races will begin at 11 a.m. on the days of the races.



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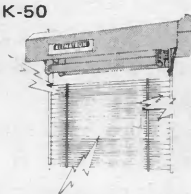


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Hundreds of these have been sold in our state and we have heard nothing but praise for their performance and high quality. They are ideal gifts for family and friends.

Use on your patio, around a pool, on a tennis court, in barn or in your yard. Costs less than patio or yard light—about 30 cents a month. You can't buy bug spray for that.

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Children (under 13)	\$.50
Senior Citizens (60 and over) on Golden Age Day only , Friday, August 17	\$.50
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ADVANCE discount ticket book (11 tickets - \$16.50 value)	\$10.00
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7 & 9 p.m.
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7 & 9 p.m.
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CHICAGO


7 p.m. only Jerry Lee Lewis.
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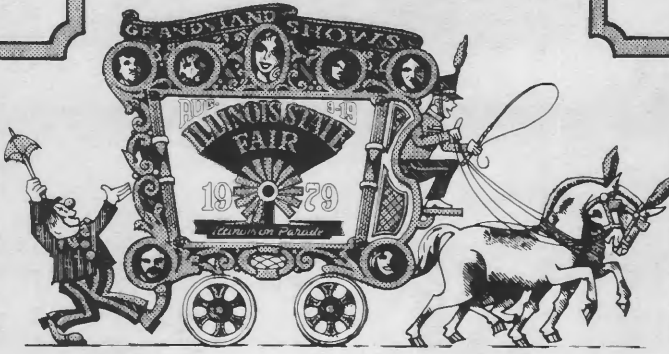


August 18
7 & 9 p.m.
DR. HOOK

August 15
7 & 9 p.m.
CHIC




Aug 17
7 & 9 p.m.
STATLER BROTHERS
BARBARA MANDRELL




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Tickets for the above performances are \$7, \$6, and \$4. They may be obtained by calling (217) 782-1979 or by writing: Illinois State Fairgrounds, P.O. Box 576, Springfield, Illinois 62705. Tickets purchased in advance for Grandstand Evening Entertainment will include a stub granting admission to the grounds on the date of the performance.

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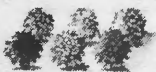
dwarf size trees. For eating out of hand right off the tree, in favorite desserts, even canned or stored, our Red & Gold team gives you and your family the best all-around flavor.

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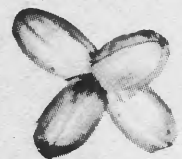
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The Battle Of New Orleans; Sink The Bismark; When It's Springtime In Alaska; Whispering Pines; North To Alaska; The Mansion You Stole; I'm Ready If You're Willing; All For The Love Of A Girl; Coann Che (The Brave Horse); Johnny Reb; Jim Bridger; Johnny Freedom.

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Don't Be Angry; Life To Go; Waterloo; Smoke Along The Tracks; Second Choice; Why I'm Walkin'; A Wound Time Can't Erase; Leona; Old Showboat; I Washed My Hands In Muddy Water; Lost In The Shuffle.

SPIKE JONES - ANLI-1035 - SPECIAL \$2.98
Cocktails For Two; William Tell Overture; Chloe; My Old Flame; The Glow Worm; None But The Lonely Heart; Laura; The Man On The Flying Trapeze; You Always Hurt The One You Love; Der Fuehrer's Face; Dance Of The Hous; Hawaiian War Chant (Ta-Hu-Wa-Hu-Wai).

THE LOUVIN BROTHERS - SM 1061 SPECIAL \$2.98
The Family Who Prays; Born Again; If We Forget God; Satan Lied To Me; God Bless Her ('Cause She's My Mother); Love Thy Neighbor As Thyself; Preach The Gospel; Just Rehearsing; Pray For Me; Satan And The Saint; Swing Low, Sweet Chariot; Make Him A Soldier.

BILL MONROE AND HIS BLUE GRASS BOYS - 16 GREATEST HITS - CS-1065 SPECIAL \$2.98
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MAC WISEMAN - ANLI - SPECIAL \$2.98
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MARTY ROBBIN'S HITS - CS-8639 - SPECIAL \$2.98
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At the near right, Tom Hillebrenner (right), District Conservationist Wayne Kinney (left) and Bill McCartney of Two Rivers Conservation and Development District look over terracing work under way in preparation for the August 1-3 show at Hillebrenner's farm. At the far right, George Lindsey (left) of Illinois Rural Electric Co. points out to Roger Mohrman of Adams Electrical Co-Operative some of the features of the insulation demonstration house that will be on display at the show.



Resource conservation - including er

Thousands of visitors are expected early in August on the Pike County farm of Tom Hillebrenner. For three days Illinois farmers and other persons with agriculture-related interests will tour the 338-acre farm, to examine closely the early results of a large-scale resource conservation program that will continue for five years to determine the effects of the several conservation techniques being employed.

The conservation show, scheduled August 1-3 on Hillebrenner's farm north of Pittsfield on Route 107 just west of the Pittsfield airport, will feature a number of plots designed to show what farmers can do to protect against erosion and maintain high

water quality standards while keeping crop production levels high.

Hillebrenner is a member of Illinois Rural Electric Co. (IREC) of Winchester and IREC will provide electric service for the show.

Two different wagon tours are planned. Each is about 2½ miles long.

The west tour will take visitors to see:

- no-till soybeans planted directly into a vegetation base of rye, which serves as a ground cover to reduce topsoil loss.
- tillage demonstration plots to compare stands of corn planted on four different tillage systems: no-till, spring chiseled, fall chiseled and



Energy - subject of demonstration show

conventional tillage.

- double-crop soybeans planted in a wheat field after harvest, using the wheat stubble to prevent soil erosion.
- insecticide effects demonstrations.
- drainage tile, waterways and two different types of terraces.

On the east tour, visitors will see:

- no-till corn.
- herbicide demonstrations.
- Timber improvement methods and wildlife demonstrations.
- Close-sown soybeans, planted in rows only eight inches apart.
- pasture renovation featuring three different types of pasture seed.
- conventionally planted soybean field seeded with field brome grass from the air.

JULY 1979

In addition to the soil conservation techniques to be demonstrated, two electric cooperatives serving the western Illinois area will staff an exhibit to show how insulation can save money and energy. Adams Electrical Co-Operative of Camp Point and IREC will have a conservation booth at the site to show how proper insulation and building techniques can save consumers money and energy.

George Lindsey of IREC and Roger Mohrman of Adams will use a scale model house to show the insulation values obtainable by use of the various insulating materials and amounts of materials used.

The small house, which has a

removable roof for closer inspection of ceiling and wall insulation, was built in 1969 for use by IREC in meetings with electric heat installers, builders and insulation contractors. The insulation recommendations have been updated since 1969, Lindsey reports.

There is no charge for admission to the show.

The electric cooperatives' exhibit will be one of several set up by agriculture-related organizations and businesses at the main entrance on the north side of the farm.

Planning for the show began in December and a large number of local persons worked on committees to plan the show.



Mixed Doubles Buffet

BAKED ROLLER COASTER RING AROUND

- | | |
|--|------------------------------------|
| 4 eggs | 1/4 cup chopped pimento, drained |
| 2 cans (15 oz. each) fluted macaroni with tiny meatballs | 1 cup grated cheddar cheese |
| 1/2 cup evaporated milk | 3 tablespoons instant minced onion |
| Nutmeg | 1 medium onion, thinly sliced |

Place baking pan (suitable for holding 6 1/2 cup ring mold) with 1" water in it, in oven. Set oven for 350 degrees. Beat eggs lightly. Combine with remaining ingredients, saving 6 to 8 meatballs from Roller Coasters for garnish. Stir gently. Pour in well-greased ring mold or spring pan. Place in water in baking pan. Bake for 55 minutes or until inserted knife comes out clean. Allow to set for 10 minutes. Unmold; garnish with onion slices and meatballs. Serves 8.

SALMON PATE SALAD

- | | |
|---|-----------------------------------|
| 2 cans (7 3/4 oz.) or 1 can (15 1/2 oz.) salmon | 1/2 teaspoon garlic salt |
| 2 pkgs. (3 oz. each) cream cheese, softened at room temperature | 1/4 teaspoon salt |
| 1 tablespoon lemon juice | 1 teaspoon dill weed |
| 2 tablespoons finely chopped green onion | 4 medium cucumbers |
| | Crisp lettuce |
| | Fresh dill or parsley for garnish |
| | French dressing |

Prepare salmon stuffed cucumbers several hours or a day ahead. For Salmon Paté, drain salmon well and flake into bowl, removing bones and skin. Blend with cream cheese, lemon juice, onion and seasonings. Cover and chill. Wash cucumbers and score peels with tines of fork. Slice in halves, lengthwise and scoop out seeds. Cover with salted ice water and refrigerate at least 1 hour to crisp. Before stuffing, drain cucumbers well, patting cut surfaces and centers with paper towel to absorb excess moisture. Fill centers of cucumbers with salmon paté and place halves together to make whole cucumbers. Wrap each salmon stuffed cucumber in plastic wrap and refrigerate several hours or overnight. To assemble salads, slice cucumbers 1/4 inch thick and arrange on individual lettuce-lined salad plates. Garnish with sprig of fresh dill or parsley. Serve with French dressing. Makes 8 salads.

SPARKLING SALMON MOLD

- | | |
|------------------------------------|----------------------------|
| 1 can (7 3/4 oz.) salmon | 1/4 cup diced green pepper |
| 1 (6 oz.) pkg. lime-flavor gelatin | 1 cup diced grapefruit |
| 1 1/2 cups boiling water | 1 tablespoon grated onion |
| 1 1/2 cups grapefruit juice | Crisp greens |
| 1 cup diced celery | Horseradish Mayonnaise |

Drain salmon and flake with a fork. Dissolve gelatin in boiling water. Add grapefruit juice. Chill until partially set. Fold in salmon, celery, green pepper, grapefruit and onion. Pour into lightly oiled 2-quart mold. Chill until set. Unmold on lettuce-lined platter. Serve with Horseradish Mayonnaise. Makes 8 servings.

Horseradish Mayonnaise: Fold 2 tablespoons prepared horseradish into 1 cup mayonnaise. Makes about 1 cup.

LEMON TENNIS CAKE

- | | |
|------------------------------------|---|
| 1 pkg. (18 1/2 oz.) lemon cake mix | 1/4 cup grated coconut |
| 1 tablespoon grated lemon rind | 1 can (16 1/2 oz.) prepared vanilla icing |

Prepare cake mix according to package directions. Add lemon rind and coconut to batter. Pour into 13"x9"x2" baking pan. Frost with prepared icing. Color some icing yellow; some green. Using pastry tube, decorate with tennis rackets.

GERMAN POTATO SALAD

- | | |
|----------------------------------|-----------------------|
| 10 medium potatoes | 1/2 cup vinegar |
| 4 tablespoons green onion flakes | 6 beef bouillon cubes |
| 1/4 cup cooking oil | 6 slices bacon |

Cook potatoes in skin, cool, slice thin. Add salt and flakes. Warm oil, vinegar, beef cubes. Pour over potatoes and mix well. Fry bacon, crumble and add.

BEAN SALAD

- | | |
|--|-----------------------|
| 1 small onion, sliced thin | 1 can green beans |
| 1 1/2 cups celery, sliced | 1 cup sugar |
| 1 No. 303 can Chinese vegetables | 3/4 cup cider vinegar |
| 1 large can small English peas | 1 teaspoon salt |
| 1 5-oz. can water chestnuts, sliced thin | 1 teaspoon pepper |
| 1 can mushroom bits | |

Drain vegetables; boil sugar, vinegar, salt and pepper. Add all ingredients and chill overnight.

LIME PEAR SALAD

- | | |
|-------------------------|----------------------|
| 1 No. 2 can pears | 9 oz. pkg. Cool Whip |
| 8 oz. pkg. cream cheese | 2 boxes lime gelatin |

Drain pear juice and boil. Add to jello (Use extra water to make 2 cups liquid). Congeal. Put pears in blender till soft, add softened cream cheese and gelatin till mixed well. Fold in Cool Whip. Congeal.

EASY CHEESECAKE

- | | |
|-------------------------------------|----------------------------------|
| 1 cup graham cracker crumbs | 1/2 cup sugar |
| 3 tablespoons sugar | 4 1/2 oz. pkg. Cool Whip, thawed |
| 1/4 cup softened butter | 1 can cherry pie filling |
| 1 8 oz. pkg. cream cheese, softened | |

Combine crumbs, 3 tablespoons sugar and butter. Mix well and press into 8-inch pie pan. Chill 1 hour. Beat cream cheese with 1/2 cup sugar until creamy. Blend in Cool Whip. Top with pie filling. Chill at least 3 hours.





Oliver Steffa (right), Production Superintendent of Western Illinois Power Cooperative's Pearl Power Station, explains the operation of WIPCO's plant to foreign visitors, from left, Leandro Suguitan, Sarah Thomas, Fathy Ebeid and Lorenzo Marcelo.

Illinois cooperative hosts electrification officials from Egypt and Philippines

A week of studying the operations of an Illinois electric cooperative, a tour of a cooperative power station and a visit to the state electric cooperative association offices were on the itinerary recently of four representatives of foreign countries' rural electrification programs.

Officials of the National Electrification Administration of the Philippines and the Egyptian Rural Electrification Authority spent one week of their six-week United States study tour in Illinois, observing the day-to-day operations of Adams Electrical Co-Operative, Camp Point, and traveled to the Pearl Power Station of Western Illinois Power

Cooperative and the headquarters of the Association of Illinois Electric Cooperatives, Springfield.

The representatives of the Philippine NEA were engineers, while those from Egypt were financial specialists. From the Philippines were Lorenzo S. Marcelo, NEA's Operations Division Chief, and Leandro C. Suguitan, NEA Project Supervisor. From the Egyptian REA were Sarah Thomas, Director of Economic Studies and Research, and Mohamed Fathy Ibrahim Ebeid, Director of Finance.

While at Adams, they were guests of Manager Dean L. Searls, who has served as an advisor to three foreign countries in the development of

rural electrification.

The Egyptians spent most of their time examining the cooperative's financial procedure, accounting methods, working with business officer personnel, and studying work orders, billing and recordkeeping.

The engineers spent most of their time observing outside functions, including construction techniques and engineering procedures.

In addition to the power station and AIEC tours, they visited a newly opened strip coal mine near Golden, the contractor and laborer school near Versailles and a number of farms in the Adams service area.

Adams was one of three U. S. electric cooperatives on the visitor's schedule.

At the Pearl Power Station they were conducted on a top-to-bottom inspection by WIPCO Production Superintendent Oliver M. Steffa. The AIEC organizational structure was of special interest to the visitors, as they noted that the AIEC directors were elected consumer representatives of the various electric cooperatives.

After Illinois, they were scheduled to visit in New Mexico and Washington, D. C., before their return home.

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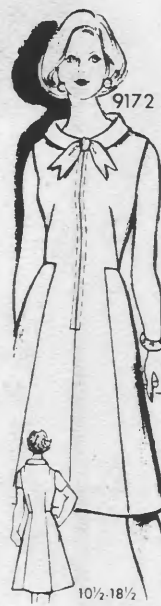
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Miscellaneous

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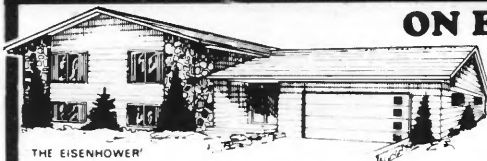
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