



Dean Searls



Elwood Olver

Adams' Searls receives ASAE Kable Award

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

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

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

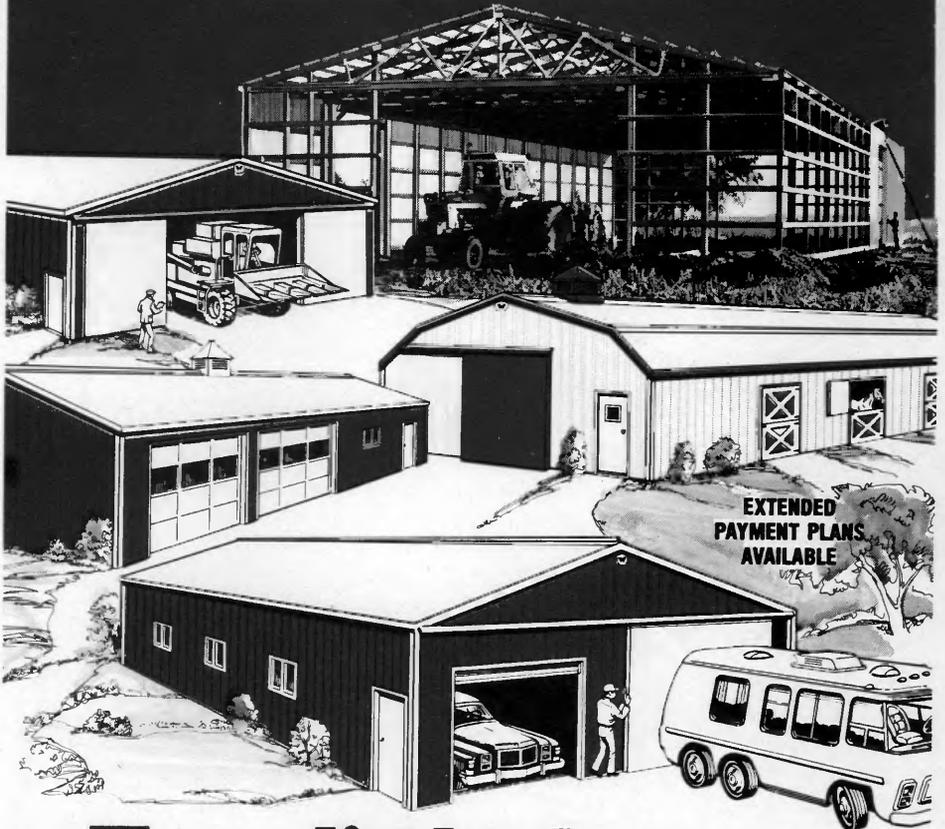
Searls has worked in the rural electrification field for 39 years, serving for the past 35 as manager of Adams. He is president of the board of the Illinois Farm Electrification Council. In 1973, he was elected to the board of directors of the national Food and Energy Council.

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

Olver is executive secretary of the Illinois Farm Electrification Council.

AUGUST 1978

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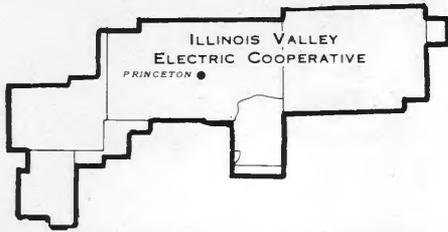
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I.V.E.C. Comments

ILLINOIS VALLEY ELECTRIC COOPERATIVE, INC.

815-875-1913

PRINCETON, ILLINOIS

Nominating Committee

Names Three

Members of the nominating committee met July 13 and nominated the following persons for a three-year term on the board of directors of the Illinois Valley Electric Cooperative, Inc.:

- Alvin Hepner of Kewanee
- John Reed of Cambridge
- Wilbur Nordstrom of Buda

Members of the nominating committee were: Ernest Rehn, Magnolia; Robert Arendt, Cambridge; John Turnbull, Toulon; Hugo Block, Neponset; Kenneth Stabler, Princeton; Richard N. Henneberry, Oglesby; Philip Corcoran, Jr., Ottawa; Verne Arnold, Buda; and Forrest McGaan, Dahinda.

Annual Meeting Program

11:30 A.M.—1:30 P.M.

Registration

For all members attending meeting, please register on arrival. Dorothy Eaton is in charge of registration, assisted by office personnel.

12:30 P.M.—1:00P.M.

Mickey Conant, Playing the Organ

1:00 P.M.

Call to Order Roy E. Horton, President

Invocation

Welcome to Members

Introduction of Visitors M.M. Jontz, Manager

Official Notice of Annual Meeting

Minutes of 1976 Annual Meeting . . . Mrs. Edith Kays, Secretary

Report of Officers:

Roy E. Horton, President

Mrs. Edith Kays, Secretary

Mrs. Eileen Slingsby, Treasurer

Report Roy E. Horton, State Board Representative

Report M. M. Jontz

Speaker

Report of Nominating Committee . . Kenneth Stabler, Chairman
Nominating Committee

Action on Delinquent Accounts

Introduction of New Directors

Adjournment

Refreshments

Attend Your Annual Meeting



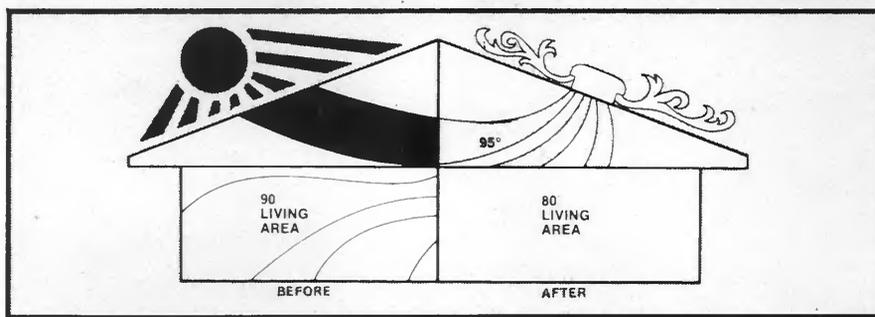
Tuesday, Sept. 26

*at the
Bureau Co. Fairgrounds,
Princeton*

Excessive Heat, Moisture Will Damage Your Home

When the summer sun beats down on a roof, attic temperatures soar to as much as 150 degrees F. Some heat penetrates through attic insulation and into living space below, increasing the air conditioning load. This transfer of heat is referred to as heat gain. The greater the difference between attic temperature and living area temperature, the larger the heat gain.

The power roof ventilator is designed to keep the attic temperature down so the heat gain will be less. The roof ventilator mounts in the roof or in the wall at the gable end. The power unit and fan are located inside a metal or vinyl shell on the roof. An adjustable thermostat is located in a four-inch junction box at the end of the electrical "pigtail" out of the fan motor. This thermostat is usually set at 110 degrees F. The thermostat has a 15-degree swing in temperature. This means that when the attic temperature reaches 100 degrees, the fan will start to exhaust the attic air and at the same time pull in the cooler outside air.



When the attic temperature reaches 95 degrees, the unit goes off until the attic temperature again reaches 100 degrees, which starts the cycle all over again.

With the installation of a power roof ventilator homeowners find that air conditioners that ran continuously during peak cooling requirements now cycle and still provide the desired comfort level. Quite often it eliminates some early and late season air conditioning requirements. If the air conditioner runs less, the life span of expensive air conditioning equipment is extended.

Power roof ventilators come in

varying capacities. The recommended volume of air movement is 10 air changes per hour or a minimum of 0.7 cubic feet per minute (cfm) per square foot of attic floor area. For a black roof, 20 percent should be added to the capacity of the power roof ventilator.

The most popular size power ventilator is rated at 1,400 cfm which will suffice for up to 2,000 square feet of attic area. For the 1,400 cfm unit, the minimum of 300 square inches of inlet vent area is required to keep from overloading the fan motor. Soffit vents are best since they are low and in a shaded area.

The power roof ventilator may also be equipped with a humidistat to control moisture conditions during the heating season. Moisture from the more humid areas of the home, such as baths, kitchen and laundry areas, constantly seeps into the attic. In fall and winter especially, moisture accumulates in the attic, particularly in today's tightly constructed, well insulated homes. When this warm, moisture-laden air contacts the cooler attic air, water is condensed on roof boards and rafters. Then with the first temperature drop, damaging ice and frost form. When warm weather comes, the frost and ice melt, soaking insulation and making it ineffective. Without proper attic ventilation, excessive moisture results in higher heating costs and causes extensive building damage. A power roof ventilator will remove moisture-laden air before it can condense and freeze.

The fall season is traditionally considered the ideal time to paint or roof your home. If you are considering roofing, don't fail to investigate the advantages of installing a power roof ventilator.

'Youth to Washington'



Timothy Brandow, Jr. of Ottawa and Kim K. Horton of Princeton were among 60 outstanding high school students from Illinois who toured Washington, D. C. June 10-17 as part of the annual "Youth to Washington" tour sponsored by the Illinois Electric Cooperatives. The students, who represented Illinois Valley Electric Cooperative, Princeton, are shown as they boarded the bus for the nation's capital. From left are M. M. Jontz, manager of IVEC, Timothy, Kim, and Dorothy Eaton, office manager.



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

First by land; now by water

(continued from page 6)

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

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

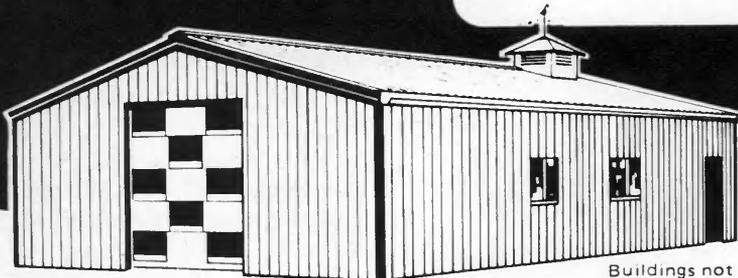
Thompson is past president of the Lake of Egypt Property Owners Association. John Ford is the current president.

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

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

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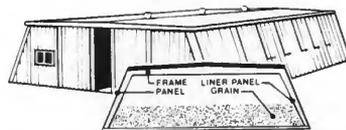
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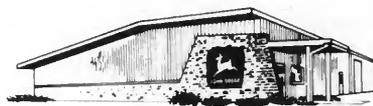


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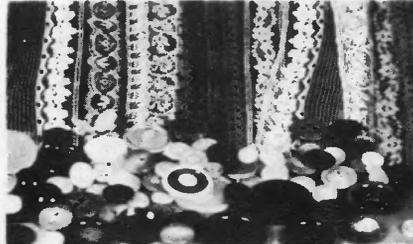
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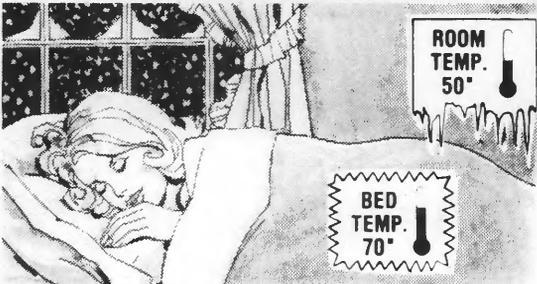
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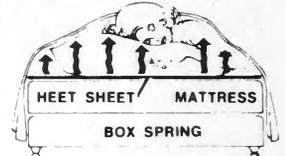
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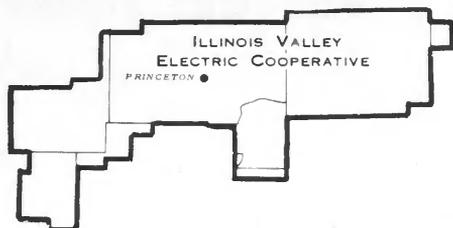
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I.V.E.C. Comments

ILLINOIS VALLEY ELECTRIC COOPERATIVE, INC.

815-875-1913

PRINCETON, ILLINOIS



Cooperative to upgrade facilities, add new lines

Illinois Valley Electric Cooperative plans to spend nearly \$3-million over the next 18 months to improve its distribution system and to add service for 800 new consumers.

Cooperative Manager M. M. Jontz made the announcement September 26, during Illinois Valley's 39th annual members' meeting at the Bureau County Fairgrounds in Princeton. The largest items in the system improvement budget approved by the cooperative board of directors is \$748,910 for line changes and conversion, Jontz said.

Other improvements will include new substations near Princeton and Norway, upgrading of existing substations, 63.6 miles of new distribution line and general improvements to Illinois Valley's 1,560-mile electric distribution system.

An estimated 475 members and guests attended the cooperative's annual members' meeting to hear officers' reports and elect directors to the cooperative's governing board.

Reelected to the Illinois Valley board of directors were Alvin Hepner

of Kewanee, John Reed of Cambridge and Wilbur Nordstrom of Buda. In another ballot question, cooperative members approved a bylaw amendment that allows members to generate their own electricity for use on their farms or in their homes.

Under the old bylaws, members were required to purchase from the cooperative all electricity used. The new bylaw amendment will make it possible for members to use solar, wind or other new energy technology if they desire.

Roy E. Horton of Princeton,
ILLINOIS RURAL ELECTRIC NEWS

president of the Illinois Valley Electric Cooperative board of directors, and Jontz said in their reports to members that the only thing certain about the nation's energy future is that the cost of electricity will continue to rise.

"Coal miners' strikes, delays in power plant siting and construction resulting in increased expenses, more and stricter environmental regulations, higher interest rates on borrowed capital and increased plant investment per member, as well as general inflationary cost increases in all areas of our operations, work together in a domino effect to keep electric service costs rising," Horton said.

Jontz said there are four main reasons for rising electric energy costs: general price inflation throughout the United States, the energy crisis which has continued since the Arab oil boycott of 1973, the high cost of meeting environmental regulations and government regulations that drive up the cost of new power plants.

"Recent studies have determined that most increases in electric power costs have been the direct result of inflation, government regulation and environmental restrictions," Jontz said. He urged members to express their concern over rising energy costs to state and federal officials. "Don't let costly government regulations and unreasonable environmental demands price electricity out of reach for future generations."

Treasurer Eileen Slingsby of Utica reported the cooperative had operating revenues in 1977 of \$2.415-million while operating expenses total almost \$2.2-million, including tax payments of \$55,883.

Following the annual members' meeting the board of directors met to reorganize for the coming year and reelected Horton as president; Hepner, vice president; Hepner, vice president; Mrs. Slingsby, treasurer; and Edith Kays, Ottawa, secretary.



Opposite page: Three reelected members of the board of directors of Illinois Valley Electric Cooperative are congratulated by Roy Horton, president of the board. Pictured are, from left, Wilbur Nordstrom of Buda, John Reed of Cambridge, Alvin Hepner of Kewanee and Horton. Nordstrom was first elected director last year to fill a vacancy while Reed has served since 1972 and Hepner since 1966. Top photo this page, a member registers for the meeting. In the bottom photo, another member receives an attendance prize.



Happy Thanksgiving from
Illinois Valley Electric Cooperative, Inc.

Questions about the future

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

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

Questions O'Connor said should be asked included:

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

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



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

Among the members of the conference planning committee was

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

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

Five persons addressed the conference during the discussion of

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

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

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

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

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