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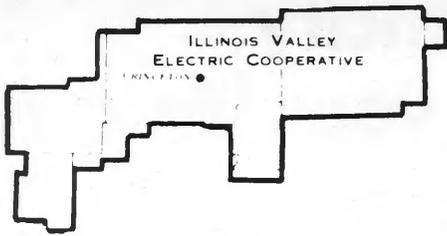
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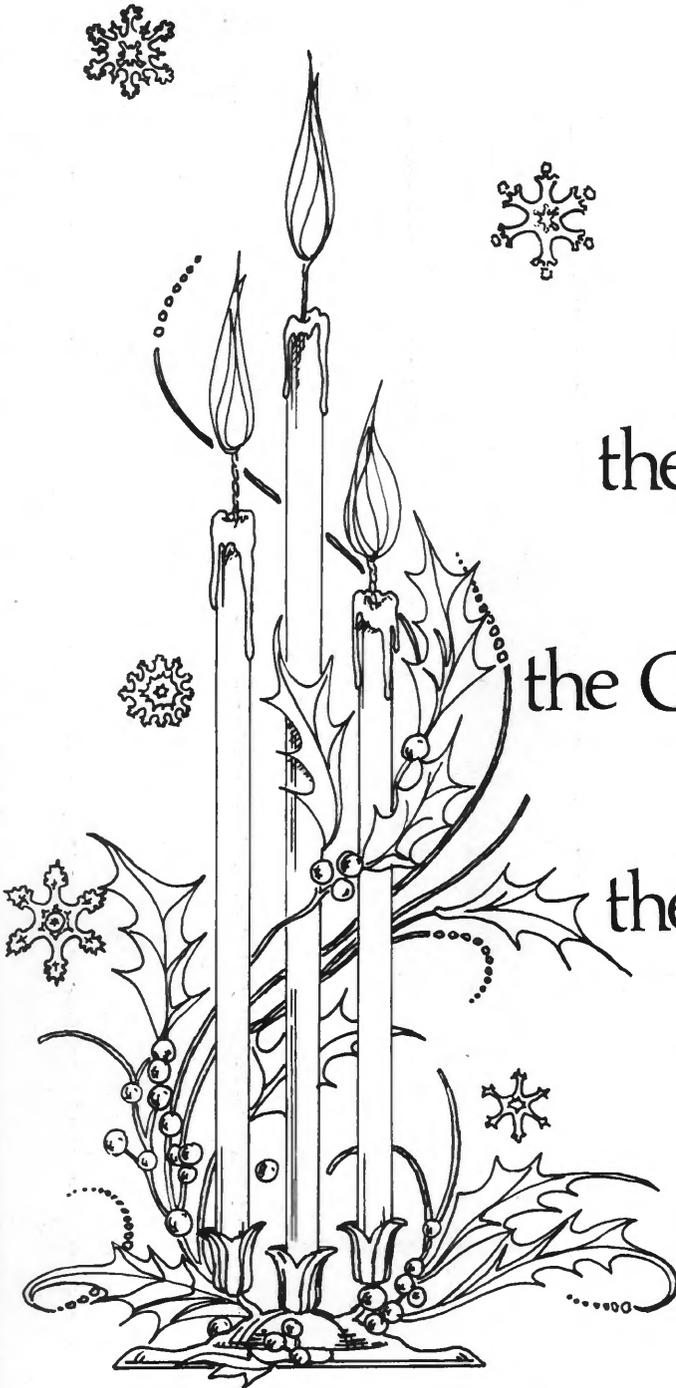


I.V.E.C. Comments

ILLINOIS VALLEY ELECTRIC COOPERATIVE, INC.

815-875-1913

PRINCETON, ILLINOIS



May you have
the Spirit of Christmas
which is Peace
the Gladness of Christmas
which is Hope
the Heart of Christmas
which is Love.

*from the Directors, Manager and Employees
of Illinois Valley Electric Cooperative, Inc.*

Energy Conservation with Electric Grain Drying

With the increasing cost of electricity and other fuels, everyone must become more conscious of how to properly operate their electric grain dryers. The amount of electric heat installed and the amount turned on for drying can have a big affect on your drying costs.

When electric grain drying first started, it was standard practice to recommend nine degrees of heat. As we have advanced we find that three degrees will do the job, thus requiring smaller heaters and less cost for wiring.

As a rule-of-thumb for new bins, install one horsepower on the fan and 1,000 watts of heat for each 1,000 bushels of corn in the bin. Have this heat controlled with switches so only small amounts of heat can be on for economical drying.

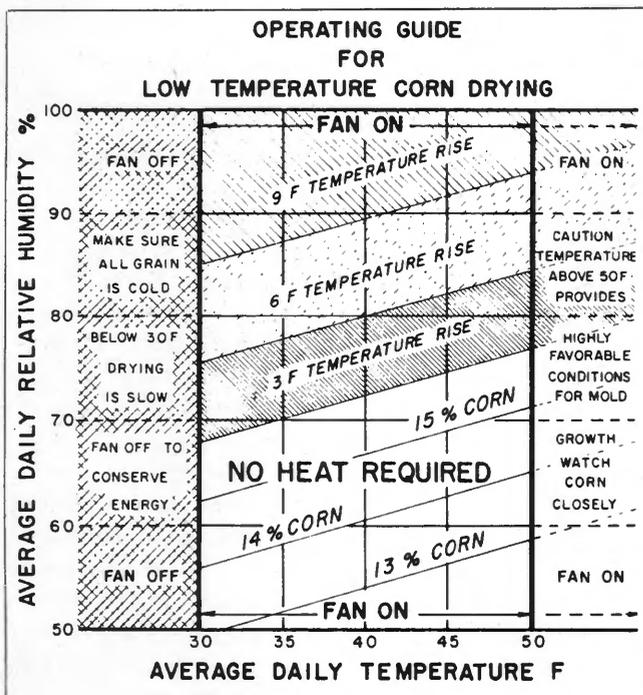
We are continually facing installations having twice or three times the above capacity being installed. Such installations are wasteful of both money and energy.

Grain drying, either gas or electric, can be expensive

and any savings can be important. Good management of electric grain dryers can affect the amount of energy used to dry grain. The original instructions for the electric grain dryers was to turn them on and leave them on until the grain was dry. Now with additional information available, you at times turn off the heater and use natural air to dry the grain. This approach takes more time and more caution will have to be used. The grain will have to be watched closely, however, you can save money and energy and this is the name of the game.

The chart below was prepared by the University of Illinois and can be used as a guide in managing your electric grain dryer.

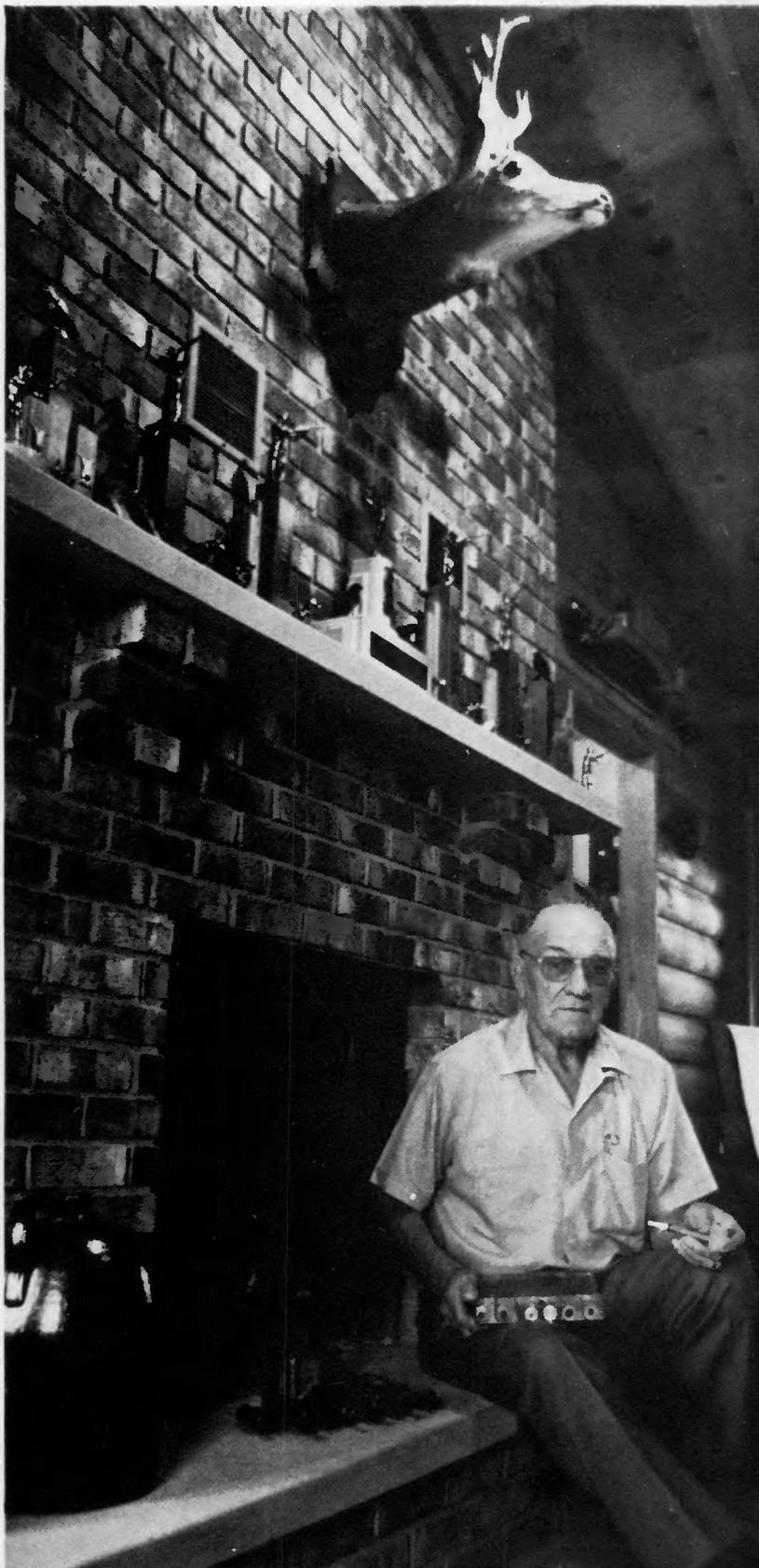
We at Illinois Valley want to help you conserve energy. Any time you have a question about your grain drying needs or the proper operation of an electric grain dryer, call us.



NOTES:

1. Operation of heaters on average air conditions since grain tends to dry to a moisture content in equilibrium with the average air conditions.
2. Temperature rises indicated on the chart are designed to dry shelled corn to approximately 15 percent moisture content and can be generalized as follows:
 - 70 percent relative humidity requires 2 degrees (fan only)
 - 80 percent relative humidity requires 5 degrees (fan plus 3 degrees from heater)
 - 90 percent relative humidity requires 8 degrees (fan plus 6 degrees from heater)
3. Heaters can be sized by: $kw = (cfm \times temp. rise) \text{ divided by } 3,000$ (A 3 degrees temperature rise requires approximately one kw for each horsepower on most crop drying fans.)

former
national
crow
calling
champion



The life a national crow calling champion leads while he is still in competition isn't all glory, Herb Dieckmann of Vandalia can attest to that.

"Mess up once and come back with only one lousy crow and you'll never hear the end of it," Dieckmann said, telling how that happened to him during the 25th annual crow shoot which was held in Southern Illinois. And how as the old saying goes, he had to "eat crow" because of it.

What was even worse, a photographer was present, the crow was placed on a meat platter, Dieckmann was given a bib and carving utensils and the whole humiliating scene was captured on film and reproduced in a number of newspapers.

Dieckmann still chuckles when he tells the story and swears it was an "isolated incident" and has over 30 trophies won in crow calling and shooting competition to prove it.

He won his first championship in 1954 and topped the field once again in 1964, placing well up in the running all the years between, with the exception of that one year.

A crow shooting and calling championship is held over a specified area of several counties. Hunters draw by lot, an area in which they are to hunt and are given an hour to get there, three hours to "call in" and shoot the crows and an hour to return to the tourney headquarters.

To win the 1954 championship, Dieckmann killed 27 crows in his

ILLINOIS RURAL ELECTRIC NEWS



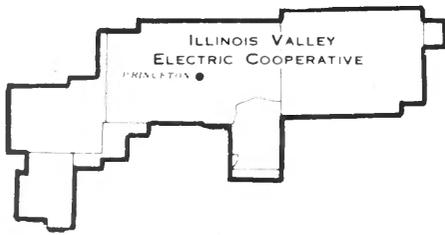
BOTTOM: Six of the Hammann's 11 deer graze on the lakeshore. LEFT: Tinsel, the family favorite, takes a cracker from the youngest Hammann, Chris. BELOW: Leonard and Roberta pose by the fireplace at Deer Run Inn.



Deer Run Inn

25 Years of Dreaming





I.V.E.C. Comments

ILLINOIS VALLEY ELECTRIC COOPERATIVE, INC.

815-875-1913

PRINCETON, ILLINOIS

youth to washington

Illinois Valley Electric Cooperative, Inc., will again sponsor two area high school sophomores or juniors on an all-expense paid trip to Washington, D. C. this summer.

If you are a high school sophomore or junior, you can win this coveted prize by successfully writing in Illinois Valley's "Youth to Washington" essay contest.

The selection of the best essays will be based on originality, accuracy of facts, content and composition. Contestants will submit an essay not to exceed 1,000 words on the subject "Illinois Valley Electric Cooperative's

Contribution to the People and Area It Serves." Exact title may be of the student's choosing. Judges will select the trip winners.

Members of the immediate families of any director or employee, present or past, of Illinois Valley Electric are not eligible to enter. Contestants, however, do not have to live in a home receiving electric service from the cooperative.

Research materials and other information on the contest may be obtained from the cooperative.

Contest entries must be received no later than April 15, 1975 and may

either be mailed to the cooperative at P. O. Box 70, Princeton, Illinois, 61456, or delivered to the cooperative's headquarters.

The two local winners will join some 50 other Illinois youngsters, winners of similar contests by other Illinois electric cooperatives, at Springfield on June 7. They will travel on air-conditioned buses returning on June 14. They will visit such attractions as the White House, Capitol Building, Smithsonian Institute, Arlington National Cemetery, Lincoln Monument, Mt. Vernon, Gettysburg and many other national monuments and places of interest.

This year's trip promises to be even more exciting and interesting than last years according to Robert Patton, tour director with the Association of Illinois Electric Cooperatives.

Essay Contest Entry Form

Please send me information on "Youth to Washington" tour.

Name _____ Age _____

Parent's Name _____ Phone _____

Address _____

School _____

Class Year (check one)

Sophomore

Junior

**"Because
it matters to us
and
to you . . .**

**we'll continue to fight
for
energy programs
and policies that
put the consumer first
and foremost."**



Robert D. Partridge
Executive Vice President
National Rural Electric Cooperative
Association

We are the nearly 1000 consumer-owned, nonprofit electric utilities serving more than 22 million people in the rural areas of 46 states.

Since we're locally owned, we're known by many names—rural electric cooperatives most often, but also public power or utility districts, electric membership corporations, and the like.

We all have one major objective in common: providing our consumers with reliable electric light and power at rates reflecting only the costs of doing business—yes, including costs for protecting the environment. That's our business too.

We're proud to be an influential force in the electric utility industry. And now as our nation hammers out a much-needed energy policy, we're in there fighting. Our consumer advocacy role comes naturally . . . because we're small enough to stay in touch with the people, and concerned enough to lead.

Ours is a big job . . . but then, we work for a big country.

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Flints, Frizzens and Flashpans

(continued from page 13)

"Usually, in foreign-made flintlocks, the grooves in the rifle aren't cut well . . . the rifling isn't always properly done. They just aren't as good," Lilly explained.

Lilly is as knowledgeable about the history of the muzzleloaders as he is about the ones he makes. Each one of the rifles he has made has at

least one story he can tell about the original weapon.

"This is a .38-calibre slug rifle," Lilly said as he held up a 40-pound monstrosity outfitted with a telescopic lens. "It was used first during the Civil War and today is used as a match rifle.

"A group of Union Army sharpshooters called Burden's Riflemen

used a similar gun during the Civil War to pick off Confederate officers from about a half-mile away.

"As the story goes, one of the sharpshooters was trying to hit a Confederate general who was sitting at a desk. Another officer came out of a tent. The Union rifleman fired.

By the time the slug got to the Con-
(continued on page 22)

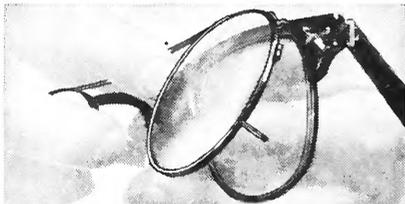
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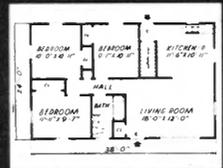
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CLASS BACK IN THE CLASSICS

(Continued from page 13)

and spend all his time writing and doing illustrations.

His artistic talent and knack with mechanical things may have been inherited from his grandfather Guy P. Smith. Although his grandfather didn't know much about vintage cars, he was a part-time inventor who came very close to fame and fortune.

Grandfather Smith, a photoengraver with a St. Louis newspaper lived in Richmond Heights, Missouri. It was there, in 1912, he built the world's first 35mm camera—years before a similar version was introduced by foreign camera manufacturers.

At the time of his invention, the only film available was movie film. It was extremely grainy and any enlargements from it were extremely poor. Because of the problems with the film, Smith didn't patent the invention and put it on the shelf.

Grandfather Smith's invention was written up in the December, 1938 issue of *Popular Science*. The article posed the editorial question, "Who Invented the Miniature Camera?" and explained about Smith's invention.

Although Grandfather Smith never achieved any great acclaim, he did live a very interesting life. In his early years, he lived for a period of time on the Sioux Rosebud Indian Reservation. His father was a doctor there and he was the only white child on the reservation.

Growing older, Guy Smith took up oil painting and began his inventing. Most of his inventions took their shapes in wood, a material he was very skilled with.

Picture frames, mandolins that were inlaid with mother-of-pearl, were later followed by the first 35mm camera, which itself had a wooden body.

While the elder Smith was intrigued with inventing new things, his grandson at the present time seems content with restoring autos of the past. But the same restlessness the elder Smith had is apparent in the ever-searching work of his grandson.

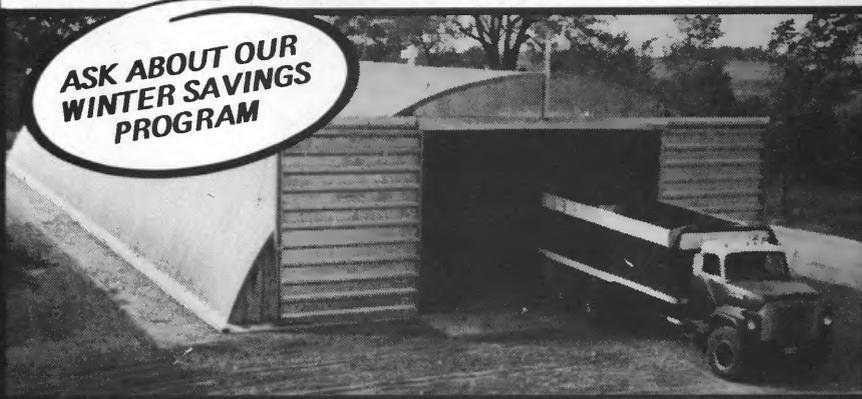
And maybe someday, someone will be restoring one of his classics.

NOVEMBER, 1975

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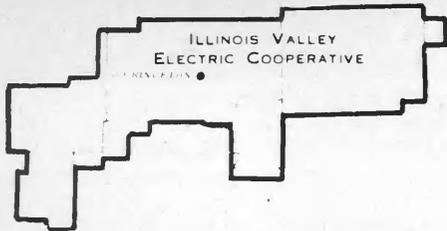
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- Grain Storage
- Other





I.V.E.C. Comments

ILLINOIS VALLEY ELECTRIC COOPERATIVE, INC.

815-875-1913

PRINCETON, ILLINOIS

During
36th
Annual
Meeting



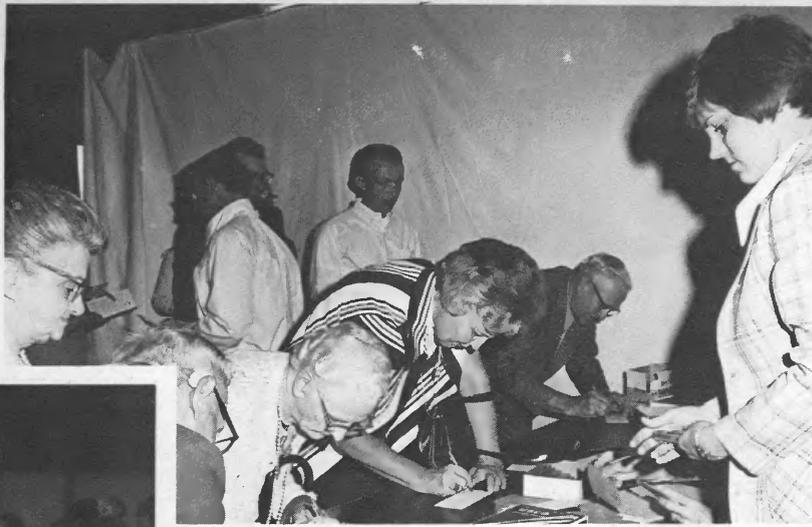
Jontz urges coal pricing investigation

"All cooperatives and their member-owners are the victims of unreasonable coal costs, as is every consumer of electricity," Illinois Valley Electric Cooperative Manager M. M. Jontz said recently at the Princeton-based cooperative's 36th annual meeting.

He continued by citing comparable coal price figures to illustrate the fact that these rates have tripled since the Arab oil embargo in 1973. This was

part of the message he and other officials of the cooperative brought to the more than 350 members and guests attending the meeting held at the Bureau County Fairgrounds.

Jontz said the price of coal is what affects the wholesale power cost adjustment, a surcharge added to the regular cost of wholesale power to cover the fuel cost increases, after a base rate has been set.



Clockwise from far left: IVEC President Roy Horton reporting to members. More than 350 members attended the 36th annual meeting. Registering of members and guests. Officers for 1975-76 are from left, Alvin Hepner, vice president; Edith Kays, secretary; Eileen Slingsby, treasurer and Roy Horton, president. Manager M. M. Jontz discusses the effect of coal price increases on members' bills.



"At Illinois Valley our wholesale power cost adjustment was just \$22,000 in 1970 but by last year it had climbed to \$119,800," Jontz said. In 1974 the cooperative's total wholesale power cost was \$609,550.

"The fact of the matter is that measured by any standard, the cost of mining and supplying coal has not increased to an extent to justify the prices now being charged by the suppliers," Jontz said. "Greed has replaced reason and today there is no relationship between the cost of production and the cost charged for a ton of coal."

Jontz urged governmental investigation of coal pricing policies as one means to bring the cost of electricity under control.

President Roy E. Horton of Princeton, also spoke of inflation and high fuel costs as problems the cooperative's board of directors must deal with on behalf of the members. He also cited pollution control costs as

adding pressure on electric rates.

"I know, as a farmer, that we are all concerned about clean water and clean air," Horton said, "but creating rules and regulations that cannot be adhered to, creates an expense that will have to be paid by you, the consumer."

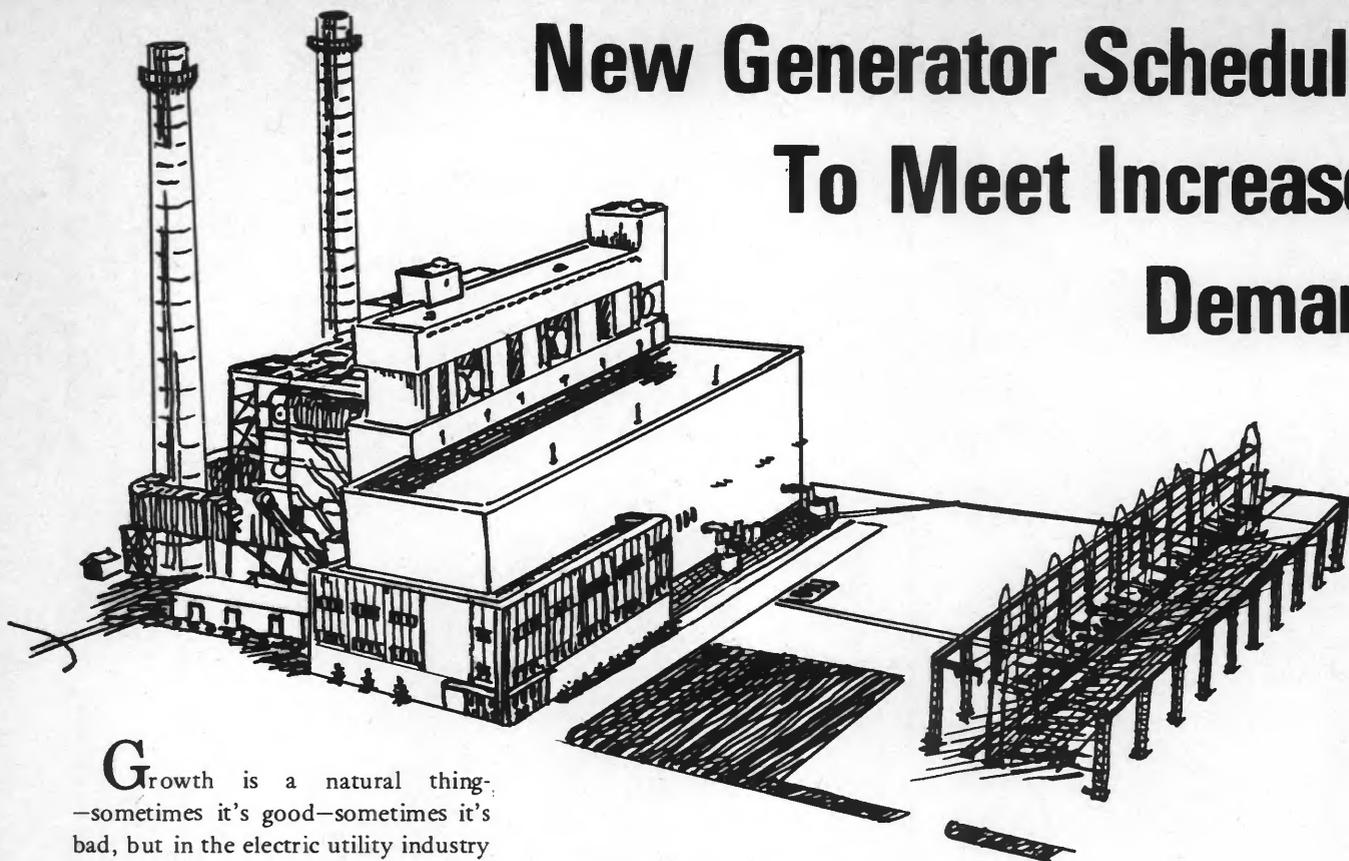
Illinois Valley Electric Cooperative serves more than 4800 consumer-owners over nearly 1500 miles of distribution lines in parts of Henry, Knox, Bureau, Stark, Kendall, LaSalle, Putnam and Marshall counties.

During the members' annual business meeting, Alvin Hepner of Kewanee, John Reed of Cambridge and John Bittner of Tiskilwa were reelected to three-year terms on the cooperative's board of directors.

At a reorganizational meeting, following the business session, members of the board elected Alvin Hepner as new vice president, and reelected Roy Horton as president, Edith Kays as secretary and Eileen Slingsby as treasurer.



New Generator Scheduled To Meet Increased Demand



Growth is a natural thing—sometimes it's good—sometimes it's bad, but in the electric utility industry it is always necessary, necessary that is, if the supplier is to stay ahead of the consumer and his ever-increasing use of electricity.

Southern Illinois Power Cooperative (SIPC) located about eight miles south of Marion, presently supplies electric power generation for three electric distribution cooperatives in Southern Illinois. In taking steps to meet the projected growth in the service area of Eldorado-based Southeastern Illinois Electric Cooperative, Steeleville-based Egyptian Electric Cooperative and the Dongola-based Southern Illinois Electric Cooperative, SIPC is in the process of more than doubling its capacity.

Although the increased capacity is extremely necessary, it is also expensive on the other hand. The original plant, which was dedicated in August in 1965 by Governor Otto Kerner, cost \$12.5 million. SIPC financed the plant, Lake of Egypt and 460 miles of transmission line with a \$25.8 million Rural Electrification Administration (REA) loan.

In today's inflated monetary terms it is going to cost \$83 million to double the plant's capacity. Breaking down the total costs, \$66 million will go for the generating capacity and approximately \$17 million will be used to purchase and install required

pollution control equipment.

Funds for the needed expansion have come to SIPC through a loan from the REA and is the first power supply loan of its type in Illinois. The money comes from the Federal Finance Bank, which was set up several years ago to handle all government loans. The loan is guaranteed by the government and is issued at the bank's going interest rate.

Presently the three generators in service provide net generation capacity of 35 megawatts (Mw) each. The new fourth unit alone will have 160 Mw of net generating capacity, some 55 Mw more than the present facility. Together they will produce enough power to meet short term needs.

According to SIPC officials, 80 percent of the material for the plant are on order and are being fabricated. However, no actual construction will begin until the first of January. Plans are for the unit to begin commercial operation in June of 1978, supplying a needed total (projected for 1979) of nearly 750 million kilowatt-hours (kwh) to consumers in the three cooperative area.

The projected figure for 1979 can be readily compared to the present three cooperative consumption of 482 million kwh's a year, and the projected

total consumption of 1031 million kwh by the year 1985.

These figures are from studies made by each of the cooperatives during the past year. The projected figures are growth that can be expected today for the next 10 years. It may be that these projections will be low, but it is very unlikely that they will be high.

Growth in the Egyptian Electric Cooperative service area is expected to climb more than 131 percent in the next 10 years. Canalization of the Kaskaskia River played a big part in boosting the growth figures. Industrial growth, bringing with it residential growth in the Kaskaskia basin has played an important factor in the Steeleville-based cooperative's plans for the future.

Along with this potential, the proposed coal gasification plant south of New Athens, will itself bring in satellite residential growth of a proportion that must be considered in any future power requirement planning.

Along with these factors, Egyptian officials are expecting a tremendous growth in the Carbondale-Murphysboro area, where it already serves over 2200 members.

Southern Illinois Electric Cooperative
ILLINOIS RURAL ELECTRIC NEWS