

# UNION ELECTRIC NEWS

## Trash Program Goes Into High Gear

Time Magazine earlier this month likened trash to Cinderella and implied that Union Electric may deserve credit for a fairy godmother role in discovering the hidden beauties of trash as fuel.

The comparison is apt, since President Charles J. Dougherty had, a few days earlier, announced the Company's plans to proceed with the development of a \$70 million "Solid Waste Utilization System." The decision follows evaluation of the prototype project operated by the Company, the City of St. Louis and the En-



vironmental Protection Agency since April of 1972.

Larger in scope than most people — even within the Company — expected, the system will be capable of serving all of St. Louis and seven surrounding Missouri and Illinois counties.

On March 11, close on the heels of Dougherty's announcement, Executive Vice President Earl K. Dille approved formation of a team which will be responsible for the engineering and design aspects of the new system.

David L. Klumb, formerly of Engineering and Construction, is project manager. He will be assisted by a four-man engineering team whose backgrounds represent various facets of the project.

Assistant project manager is Paul R. Brendel, who comes from Power Operations. He was assistant general superintendent of Labadie Plant.

The other team members are William K. Hackel, Richard P. Wendling, formerly of E & C, and Earl M. Wells, transferred from Corporate Planning.

The Corporate Planning function will be responsible for the coordination of the administrative aspects of the project, under the direction of R.J. Kovach, supervising engineer, Rates & Planning. Such administration includes coordination with other functions in the Company of contracts, legal, accounting, financial, labor, public relations, regulatory and organizational aspects of the project.

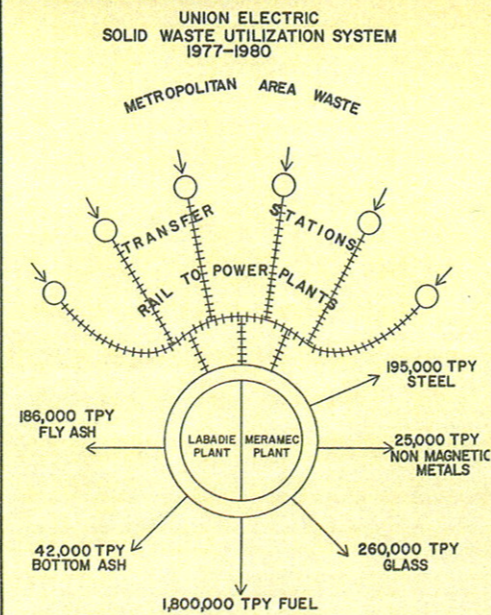
A volume of refuse is involved far larger than ever before tackled for recycling — anywhere — from 2.5 to 3 million tons annually.

Under the plan, Union Electric will establish and operate five to seven strategically-located collection/transfer centers capable of handling the volume of solid waste expected in the late 1970's and beyond. Refuse will be received from private and public haulers at these centers and transferred in closed containers to processing facilities at Meramec and Labadie plants.

Processing would include crushing, magnetic separation of the steel and air classi-

fication into light (combustible) and heavy (non-combustible) materials.

Approximately three-fourths of the tonnage is combustible and will be burned with coal at Meramec and Labadie plants. The estimated 1,800,000 tons in refuse fuel realizable per year will conserve from 700,000 to 900,000 tons of coal. The sulfur content of the refuse is about 0.1%, the same as that of low sulfur fuel oil and lower than low-sulfur coal.



The non-combustible materials will be sold for recycling. "The project is expected to yield 200,000 tons of ferrous

metals per year and we also hope to be able to recover aluminum and possibly copper and lead." Klumb says. "Sampling indicates that about 25,000 tons of these non-magnetic materials get into the metropolitan area's rubbish stream each year."

One of the first moves toward putting the plan into effect, Klumb said, will be to locate sites for the refuse collection centers. All must be on or close to railroad lines that will be used to transport the closed refuse containers to the power plants.

Klumb points out that, "by locating the new processing equipment at the power plants, rather than at the collection center sites, we can take advantage of the economies of scale. We will have two large processing facilities, instead of a half dozen smaller ones."

The major difference between the Solid Waste Utilization system and the prototype joint venture is that the system is to be built, owned and operated without governmental subsidy. Economic justification for the \$70 million capital investment and \$11 million in annual operating costs will come from the heating value of the combustible material, dumping fees, and the sale of recyclable materials.

Dougherty said that he found the decision exciting. "Obviously, recycling and re-using waste materials makes sense environmentally. While the heat value of the solid wastes is a plus for us, we believe that the solution this offers to municipal waste disposal problems is even more important."



## UNION ELECTRIC NEWS

Published for Union Electric employees.

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St. Louis, Mo. 63166

## Service Anniversaries

### 40 Years

Lee H. Bugnitz, Jr. Ashley Plant

### 20 Years

Thomas E. Bagsby	Meramec Plant
Floyd J. Berneking	Cahokia Plant
John F. Estes, Jr.	Meramec Plant
Ebbit B. Fields	Labadie Plant
Thomas E. Filla	T & D
Charles E. Gilmore	Venice Plant
Andrew B. Huston	T & D
Mildred E. Jasper	Washington
Henry W. Jehling, Jr.	Meramec Plant
Ronald E. King	Methods
Stanley G. Kurosz	Meramec Plant
Alexander L. Lance	Sioux Plant
Leslie R. Lewis	Sioux Plant
John F. Marica	Meramec Plant
Roy B. McFerron	Geraldine District
Miles P. Relich	T & D
Armin C. Shadwick	Cahokia Plant
James E. Walker	Relay Testing

## It Was In March. . .

### 50 YEARS AGO

Union Electric announced plans to spend \$100,000,000 on construction in six years. A third of that would go into Cahokia, the "superpower" enterprise of the Company.

A suggestion contest offered employees cash prizes ranging from \$1.00 to \$50.00.

A 1,600 pound truck was designed to adequately accommodate the transporting of tools and materials as may be required for one day's work by a line crew.

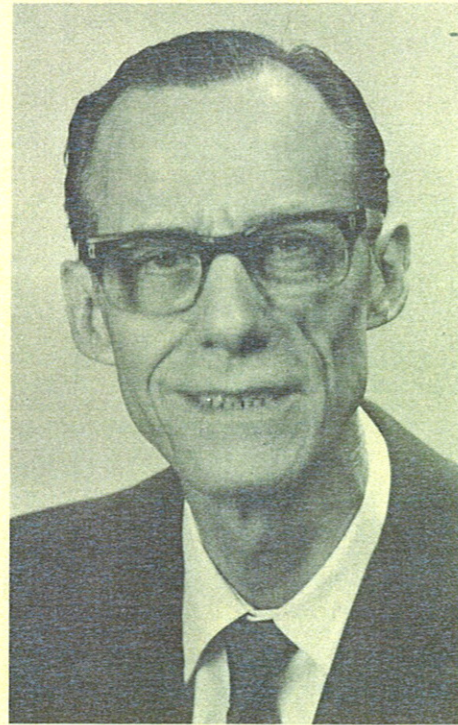
### 25 YEARS AGO

Union Electric acquired the common stock of Missouri Light and Power Company.

Fly ash precipitators at Ashley were tested by the city and found to be three times as efficient as required by law.

### 10 YEARS AGO

Union Electric purchased the historic De Menil Mansion and gave it to the community as its St. Louis bicentennial gift.



Ralph W. Lauenstein

## Five Join Retirees

Ralph W. Lauenstein, Data Processing, is the only double veteran retiring March 1. Other retirees are Andrew F. Barry, Sioux Plant, Donald A. Brown, Keokuk District, Paul A. McHugh, Treasurer's, and Mrs. Vivian J. Hallemeier, St. Charles District.

Lauenstein started as a blueprint and photostat clerk in 1928. Since that time he has worked as a drafting tracer, draftsman, and group leader.

Barry joined the Company in 1940 as an ash handler at the Cahokia Plant. There he worked up to furnace mechanic-brickwork and pipecovering. In that classification he transferred to Sioux Plant in 1969.

Brown has been with the Company for 26 years. He started as a draftsman in the Keokuk District. He became an estimator and inspector in 1951 and a project estimator in 1954.

McHugh joined the Company 18 years ago as stockholder records manager. He had been in charge of the same records for 14 years in the New York offices of the North American Co., which was dissolved in 1955. He became assistant to the treasurer in 1964.

Mrs. Hallemeier has been at the St. Charles Office since 1960. She started as a clerk-stenographer and leaves a job as district office clerk.

## Return of the Heat Pump

Awakened by the energy crunch, the heat pump is coming out of hibernation.

Totally unlike any other device for heating a home, heat pumps have been on the market for decades. There are numerous installations in the Company's service area. Some are in homes, others in offices, schools, stores and motel rooms. One multi-unit installation is in the East St. Louis District office building.

Interest sagged in the 1950's and 60's, however, when other types of electric heating equipment proved less expensive to maintain than the early heat pumps.

Heat pumps are making a comeback this year with Union Electric encouragement. Two factors influenced the decision to help promote the sale of heat pumps, according to H.E. Wuertenbaecher, Jr., vice-president Customer Service.

"One is the development by General Electric, "Wuertenbaecher explained," of improvements in their Weathertron heat pump that have increased its reliability. GE now offers the same warranty and service contracts on the Weathertron as on their combination gas furnace-electric air conditioner.

"The other is the new importance of efficiency brought on by increases in the cost of fuels. The heat pump not only reduces a customer's annual heating costs but also uses less of our nation's irreplaceable fuel resources than any other heating system."

General Electric now has nine St. Louis area dealers who have been trained in the installation and servicing of the Weathertron. GE plans to double its heat pump production capacity in 1974.

Commenting on the fact that he was mentioning only one manufacturer, Wuertenbaecher made clear that others are also making heat pumps. "We are working with GE only because they have made such strides in setting up a dealer organization and in providing for service on the units," he said.

"We are not saying that the Weathertron is the best way to go — only that the customer should consider it along with other sorts of electric heating equipment. We want to do our part in correcting any false impressions made by the early-day models."

For anyone unfamiliar with heat pumps, they are a kind of reversible air condi-



Wuertenbaecher Hanna

## It Was Myron's Day

December 31, 1973 was a great day for Myron D. Hanna. It closed off a year in which he won the distinction of top salesman in the Residential Sales Department's Field Service Section. It was also the day he retired at age 55.

His Sales Achievement award, the first ever to go to a retiree, was presented to him at a recent dinner meeting by H. E. Wuertenbaecher, Jr., vice president — Customer Service.

To merit his award, Hanna more than doubled his quota of electric heat installations. He modestly credits much of his success to the rising price of heating oil.

Others honored at the dinner for special achievements were Paul A. Martz, Harry Kraatz and Harold Stiver. Collectively, the section hit 195 percent of its heating goal while falling 11 percent short of its Dusk-to-Dawn quota.

tioner, they absorb heat from inside a building and discharge it outside. In heating, they reverse themselves, absorb heat from the outside atmosphere and discharge it inside the building. One setting of the thermostat maintains a year-round comfort level because the heat pump changes from cooling to heating or heating to cooling automatically.

In appearance, a heat pump is difficult to tell from an air conditioner.

GE studies show that heat pumps use about 15 percent less energy than a oil furnace and about 5 percent less than a gas furnace.



# Sour Notes

... may drown out the sweet ones when young fellows like this make their first acquaintance with an instrument at the Community Music School.

But the total effect is a more harmonious community when the varied activities of the music school and nine other Arts and Education Fund agencies swing together.

Union Electric is doing its part to help the Fund by urging employees to give toward its 1974 community-wide objective of \$1,750,000. Employee Campaign Chairman James J. Beisman, director of Public Relations, heads an organization of key men and solicitors who are out to meet a Company goal of \$11,000.

As a convenience for employees who are already giving or would like to give, payroll deduction contributions to the Fund can be spread over a full year, Beisman said, instead of being limited to eight months as in previous Arts and Education solicitations. Deduction forms and pledge cards can be obtained by getting in touch with Beisman.

The outstanding support of Arts and Education by Union Electric employees has been nationally recognized. The Company was one of 85 honored last year by Esquire Magazine and the Business Committee for the Arts. Such recognition, while gratifying, Beisman notes, is secondary to the satisfaction of helping the community grow in cultural vigor.

The Community Music School, which the young man pictured attends, is a 48-year-old agency with almost 1,000 students. In age, students range from preschoolers to senior citizens and they take their lessons at numerous centers. They pay what they can afford, from 10 cents to \$4 a week.

The other nine agencies are the Adult Education Council, KETC-TV (Channel 9), the Little Symphony, the Loretto-Hilton Repertory Theatre, the Mark Twain Summer Institute, Shaw's Garden, the St. Louis Symphony Orchestra, Young Audiences and the coordinating Arts and Education Council.

Beisman points out that the Beaumont Foundation has challenged individual donors this year to increase their giving by at least \$150,000. If the challenge is met, the foundation will match new individual contributions and increases in individual gifts with a \$150,000 contribution.

In effect, the Beaumont pledge parallels the Company's Matching Grant Program. The latter provides for Company contributions equal in amount to employee contributions to colleges and universities.



Bulletin:  
Employee Contributions as of  
March 29:  
\$9,085.00

# In Memoriam

Casey M. Lomax, who retired in January 1960, died on January 25 at age 80. Mr. Lomax was a 32-year veteran and a maintenance foreman, Cahokia, when he retired. Surviving are his widow Marjorie of 5717 Cherokee Rd., Meridan, Mississippi 39303, and one son.

Norman W. Miller, who retired in May 1956, died on January 28 at age 78. Mr. Miller was a 26-year veteran and a sub-truck driver operator, Substations, when he retired. A widower, he is survived by one son and three daughters. Mr. Miller lived at 3233 Taft Ave. 63111.

Raymond C. Crane, who retired in May 1968, died on January 29 at age 66. Mr. Crane was a 25-year veteran and a first auxiliary operator, Cahokia, when he retired. Surviving are his widow Ruby of 500 S. Castle, Salem, Illinois 62881, and one daughter.

Paul H. Hutchings, T & D Clerical, died on February 1 at age of 55. Mr. Hutchings had been with the Company for 27 years. Surviving is one sister, Pearle H. Daugherty, of 8721 Charlton Lane 63123.

Aloysius J. Haberberger, who retired in October 1972, died on February 6 at age 57. Mr. Haberberger was a 26-year veteran and a truck driver-operator, DesPeres District, when he retired. Surviving are his widow Leona of 121 Cedar Rd., Rural Route 2, Box 126, Eureka, Mo. 63026, two daughters and one son.

Alfonzo B. Brookhart, who retired in March 1963, died on February 8 at age 74. Mr. Brookhart was a 31-year veteran and a meter reader, T & D, when he retired. Surviving is his widow Lera of Donnellson, Iowa 52625.

Michael N. Chiarottino, senior engineer, T & D, died on February 7 at age 56. Mr. Chiarottino had been with the Company for 20 years. Surviving are his widow Bonnie of 12528 Big Bend Blvd. 63122, one daughter and one son.

Donald H. Dillon, trouble supervisor, East St. Louis, died on February 11 at age 53. Mr. Dillon had been with the Company for 32 years. Surviving are four daughters and one son. Mr. Dillon lived at 7899 St. Clair Ave., East St. Louis, IL 62203.

Edgar R. King, lineman, St. Francois District, died on February 18 from a heart attack. Mr. King was 45 years old and had been with the Company for 18 years. Surviving is his widow Gladys of 224 N. Large St., Elvins, Mo. 63639.

Jessie F. Rogers, who retired in March 1964, died on February 19 at age 72. Mr. Rogers was with the Company for 19 years and was a plant mechanic-machinist, Cahokia, when he retired. Surviving are one daughter and two sons. Mr. Rogers lived at Box 177, Gerald, Mo. 63037.

Oscar S. Ficklin, who retired in January 1946, died on February 26 at age 94. Mr. Ficklin was a 40-year veteran and a steam power plant technician, Ashley Plant. A widower, he is survived by one daughter, Melba Sweets, of 4557-a Garfield Ave. 63113.

Joseph E. Short, who retired in May 1959, died on February 27 at age 84. Mr. Short had been with the Company for 13 years and was a unit mill tender, Venice II, when he retired. A widower, he is survived by three daughters. Mr. Short lived at 2218 Chippewa St. 63118.

## Company Gains A Citizen

Sohrab H. Devitre, Central Laboratory, is the Company's newest United States citizen. He was naturalized in February in the Federal Court in St. Louis.

Devitre, who is from Rangoon, Burma, came to the U.S. in 1962 on a student visa. He attended the Indiana Institute of Technology in Fort Wayne, Indiana, and received a bachelor of science degree in Chemical Engineering in 1964. He also holds a degree in Chemistry from St. Xavier College in Bombay, India.

The Michigan firm that Devitre was working for after graduation from the Indiana Institute of Technology sponsored him so he could become a permanent resident. He was able to live in the U.S. as long as he wanted to, but each year he had to check in with the Immigration Office. Requirements for citizenship were that he live in the U.S. for five years, take an oral exam and speak the American lan-



guage. To prepare for the oral exam Devitre attended citizenship classes at the University City High School for eight weeks.

He and his wife, Tamara, have been in St. Louis since 1970. He has been with the Company as an assistant engineer since last September.

Square dances will be held at the Employee Club on the second and fourth Thursday of June, July and August from 8 to 11 p.m. Callers, beginning with the June 13 dance, will be Bern Aubuchon, Tony Strautmann, Bob Vinyard, Art Galvin, Lloyd Squires and Bob Wickers. George P. Sinovic of T&D is in charge. His station is 2130, his mail code, 666.

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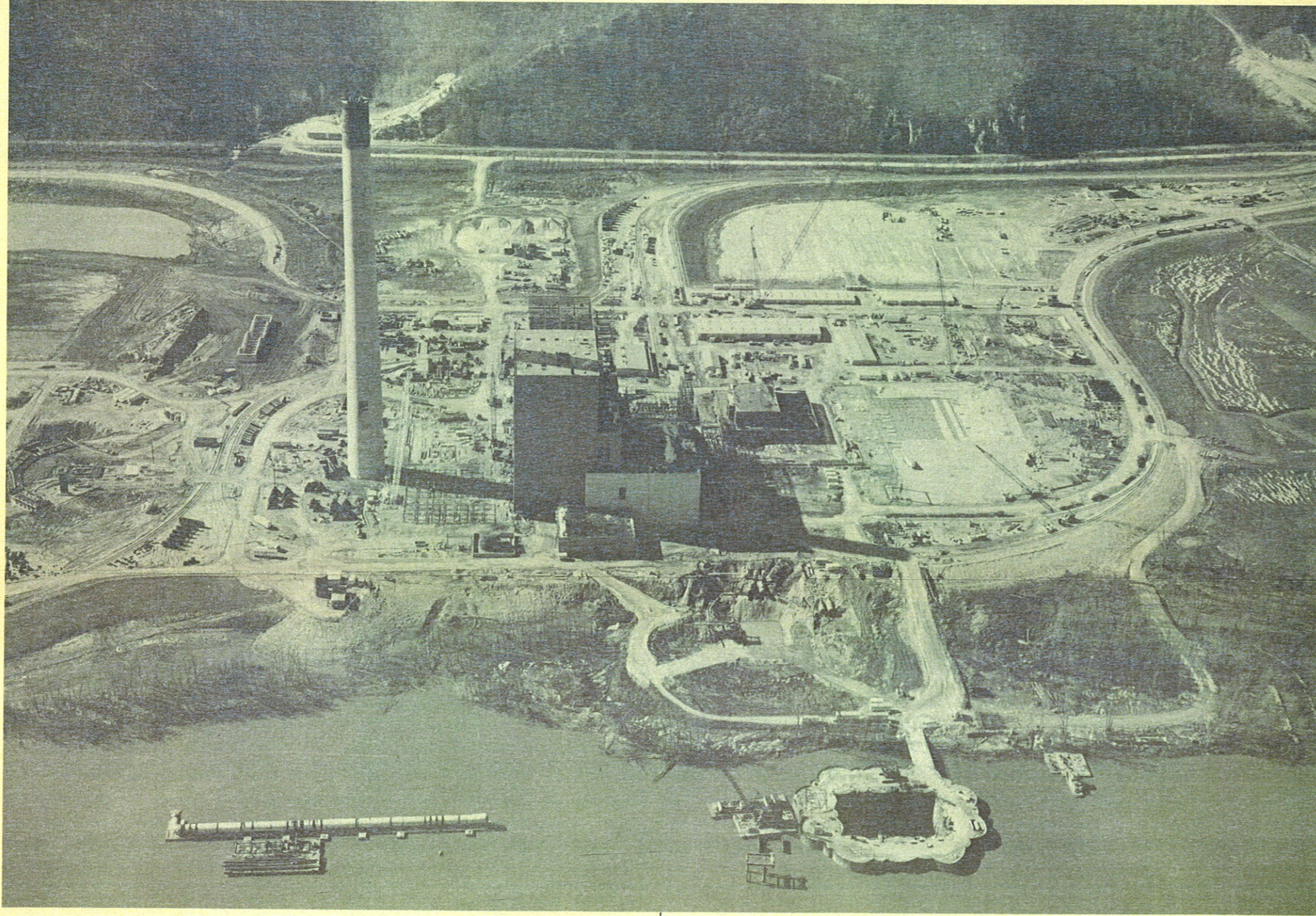
Retiree Fred Hanson, commander of the Union Electric American Legion Post 179, has accepted for the post the Legion's National Award for Child Welfare Service. The post meets at 7:30 p.m. each third Tuesday in Conference Room R & S.

\* \* \*

Bob Sykes, assistant superintendent of Keokuk Plant, was described as "a conscientious and hardworking public servant" by the Daily Gate City on completion of his fourth two-year term on the Keokuk City Council.



# Progress at Rush Island



LOOKING DOWN FROM A HELICOPTER 1200 feet over the middle of the Mississippi River, we get an appreciation of progress being made toward firing up Rush Island Plant's Unit One on May 1, 1975.

Inside loop at far left is site of coal storage pile with foundations of track hoppers and conveyor system.

Stack concrete is topped off at 680 feet. Steel liner will extend another 20 feet.

Assembled on pontoons in river is the water discharge pipe, 400 feet long and 12 feet in diameter, that will provide the Company's first mid-stream discharge of condenser coolant. Pipe has since been swung perpendicular to the river bank and sunk just to left of cofferdam in right foreground.

Cofferdam will be removed on completion of intake structure.

To right of main plant building for units 1 and 2 at center is the shorter administration building. Units 3 and 4 will go between Units 1-2 and bluff.

Access road winds off at upper right toward Festus, 12 road miles away.





## Choo Choo Henze

Interested in model trains? Well, the person to see is Bill "Choo Choo" Henze. Henze, a city meter reader, runs a hobby shop in his spare time at 2160 Chambers Road in North St. Louis County. The specialty of the shop is model trains.

Henze has been in the hobby business for 20 years. His wife, Thelma, a former Company employee, opens the shop in late afternoon and he joins her after he completes his meter reading. The shop is open in the evenings and Saturday mornings.

He got started in the hobby shop because he was interested in a particular size model train and was not able to get it. So he opened his shop and now cannot find time to work on his trains that are in his basement.

The sizes of model trains that Henze has in his shop are "O" gauge which is 1/48 actual size, "HO" gauge which is 1/87 actual size, and "N" gauge which is 1/160 actual size. These would be more familiar to model train builders.

He doesn't repair the trains himself but he does have someone to do it.

Besides the model trains, the Henzes have a variety of hobbies for men and women.

## Education, Edison & Eagles

The spotlight was on youth when Union Electric took part in three major programs for young people in February.

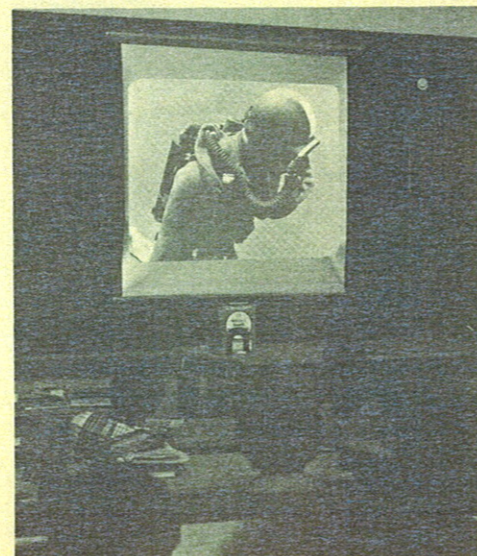
First, the Company bought and delivered to the St. Louis Board of Education two subscriptions to the Science Screen Digest. Two 16-millimeter color films, a new pair each month, will be circulated to the city high schools by the board's audio-visual library.

Then we observed Edison's Birthday with an all-day program for nearly 100 high school

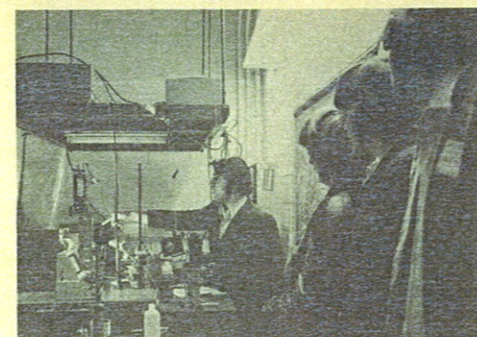
students, each from a different school and all selected by their principals. The day began with talks and demonstrations in the Company auditorium. After lunch all went by chartered bus for a visit to the Washington U. School of Engineering.

Finally, Community Affairs took nine Eagle Scouts on a round of visits with Company executives and Company facilities as part of Eagle Scout Free Enterprise Day. Some 300 Eagles participated in the St. Louis Council program.

First class to see the Company-sponsored Science Screen Digest was this one at Central High School. The film had to do with new medicinal materials found underseas.



Lasers are demonstrated by Instructor Bhushan Sopori for high school student guests of Union Electric on a tour of the Washington U. Engineering School. The occasion was Edison's Birthday.



Eagle Scout sons of employees met President Charles J. Dougherty as they began a day-long visit with UE. From left are Dean, son of Luekett Smith, Sioux Plant, Ken, then Glenn, sons of John Donnelly, T&D, and John, son of Leonard Saul, Labadie Plant.



## Lionmen's Tale

Snakes, scorpions and other varmints are job hazards that Trouble Serviceman Jim Mitchell and Apprentice Mike Langvin take in stride in the Lakeside District.

But Lions?

Mitchell and Langvin fell back and reconsidered when they found, late one March Saturday night, that an outage they were sent to remedy necessitated invading the "African Lion Safari," a tourist attraction near Camdenton.

The gates in the 20-foot fence surrounding the establishment were locked and no attendant could be found. Scaling the fence was out of the question, for more reasons than one, but service to several hundred customers was at stake.

Lightning had struck a 7200-volt line which crosses the safari property, causing a reclosure on a pole inside the fence to open. Closing it would be a simple matter — ordinarily.

Mitchell put in a call for District Manager Van Guy Sutliff, who hurried to the scene with M.E. Sutton, Distribution and Service superintendent.

"We could see some animals moving around inside but we couldn't see much. It was pretty dark," Sutliff relates.

Between the frustrated four, someone thought of calling the sheriff. The sheriff had the name and number of the safari custodian.

A call to the custodian who, fortunately, was in bed and not out hunting, brought him on the double with keys and advice on how to get safely to the pole.

Monday morning Sutliff fired off a letter to the safari management. Union Electric has an easement through the property, he pointed out, that gives us "right of ingress and egress . . . at any and all times." Locking up the area and leaving it unattended, he added, extended the outage by several hours.



## Long Story

One of the lesser activities of your Community Affairs Department is keeping tour guides at Osage and Keokuk Plants supplied with uniform trousers and shirts.

Recently Keokuk Plant Superintendent Ken Mathews put on a lanky young new janitor-guide and requested two pair of blue uniform slacks, waist 36, length 34.

The order was duly placed by Community Affairs and a week or so later, two pair of pants arrived in the office and were sent to Keokuk. No one noticed that they were meant for Osage.

Within days the pants were back in Community Affairs with a note from Mathews that they were too short — by four inches.

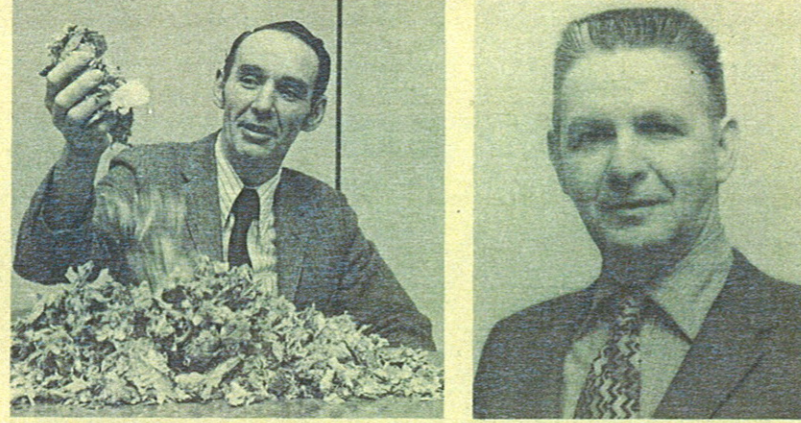
Somebody goofed, was the half-right presumption. Longer pants were ordered. Before they arrived, a record of Osage's old order for 30-inch pants surfaced and the pants from Keokuk were sent to Osage. It began to look like things were falling in place.

When the 34-inchers arrived and were forwarded to Keokuk, a staff member decided to double check. He called Mathews.

"Did you finally get the right pants?" he asked.

"Yes, we did," Mathews replied, "but the man we wanted them for quit."

## Trash Task Force



Charged with implementing the extended Solid Waste Utilization System are Project Manager David L. Klumb (Upper Left), Paul R. Brendel (Upper Right), assistant project manager, and (From Left, Below) William K. Hackel, Earl M. Wells and Richard P. Wendling.

## Two More Units for Rush Island

Selection of Rush Island as the site for two 600-kilowatt fossil fuel units to go on line in 1979 and 1980 has been announced by John K. Bryan, vice president — Engineering and Construction. Addition of the two units to the two under construction at Rush Island will make that plant equal in size to Labadie Plant, presently the Company's largest.

The fact that the Company would build the two units was made public by President Charles J. Dougherty last summer. No location was given.

The Bechtel Corporation will direct construction, just as it is doing on the initial units at Rush Island.

Design and equipment will duplicate Units One and Two to the maximum extent possible. Drawings will be re-used, and, with this much notice, Bechtel should be able to keep together the construction team now working on the first Rush Island units, Bryan pointed out.

Executive Vice President Earl K. Dille has been named to the Mercantile Trust Company's board of Directors.

Joseph E. Parent, East St. Louis District office supervisor, has been installed as president of East Side Associated Industries.

# UNION ELECTRIC NEWS

UE

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