

Utility Companies Sponsor Study of Nuclear Power Plant

Portland - Pacific Power and Light company and nine other western utility companies Saturday announced sponsorship of a two-year study program directed to the technological problems and economics of utilizing a 250,000-kilowatt capacity nuclear-powered generating plant on a typical electric company system.

In describing the study program, D. R. McClung, PP&L

president, said the investigations are another forward step in the company's continued interest in the advancements being made in civilian nuclear technology.

The PP&L executive said the utility group had organized as Advanced Reactor Development Associates (ARDA). Will Help Industry

"The ARDA study program will help our industry be prepared for the time in the fu-

ture when nuclear-fired steam generating plants might become competitive with modern and efficient coal or oil-fired steam - electric power plants," McClung said.

McClung noted PP&L operates a large-capacity coal-fired plant in Wyoming and expects to utilize coal in that Rocky Mountain state for many years. In the other states in which PP&L has service areas, he added, the coal and

oil fuels are of higher cost and the company will study the possibility that nuclear-fired plants may be more economic when large steam plants are needed to back up the low-cost hydroelectric-based systems.

The PP&L official said the ARDA study program will be co-sponsored in association with General Atomic Corporation, the firm that developed an advanced-type gas-cooled nuclear reactor which PP&L and 10 other utilities are backing.

A prototype of the G-A gas-cooled reactor is now under construction. When it is completed next year it will be the world's first nuclear reactor to produce steam under high-pressure, high-temperature conditions comparable to steam produced in modern oil or coal-fired power plants.

McClung said the new study program will be based on the assumption that a 250,000-kilowatt nuclear plant was to be operated on the system of Public Service Company of

Colorado. He said the Colorado utility, which serves a state adjacent to PP&L's Wyoming system, is generally typical of the participating western companies.

"We are concentrating on the design and operating characteristics and the economic potential of a nuclear plant for the future," he added.

The information from the technical and economic studies will be available to Pacific Power in making system power supply comparisons with the Pacific Power's

steam - electric operation in Wyoming and its hydroelectric operations in Washington, Oregon and northern California.

The other utilities participating in the program include: Arizona Public Service, Iowa Public Service, Portland General Electric, Public Service of New Mexico, Puget Sound Power and Light, San Diego Gas and Electric, St. Joseph Light and Power, Washington Water Power and Tucson Gas, Electric Light and Power companies.

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CONTAINS GOLD — Haystack Mountain make mining profitable until labor and material costs boosted the cost too high, contained a sufficient amount of gold to

Haystack Mountain Shows Oddity in Shape, Coloring

By J. O. McKINNEY
Mail Tribune Correspondent

Haystack Mountain beside Highway 97 about seven miles north of Weed, Calif., shows its oddity both in its shape, and in its coloring.

While the surrounding formations are irregular in the extreme, as is so often the case with lava, the coloring

too shows the yellow mountain is "different." Its shape is that of a pile of hay built to shed rain, its coloring is that of grass ripening in the sun, a striking contrast to lava.

The yellow metamorphic rock of Haystack Mountain contained gold in sufficient quantities to make mining profitable until spiraling labor and material costs became too much for a governmental pegged gold price to show profit. No one ever finds gold in lava, and lava covers all lands that lies for miles across the land surrounding Haystack Mountain.

where thousands of tourists pass every day seeking interesting sights is scarcely noticed.

One enterprising owner once tried to make Haystack Mountain a rendezvous for bighorn sheep when some Mouflon sheep from Corsica were given him. He thought they might adapt themselves to Haystack Mountain and nearby Sheeprock. That effort failed. Today a remnant of the original band may be found near Dwinell Lake on another mountain.

A band of bighorn sheep there might slow down eager sightseers, but a mountain that contains plenty of gold in a region where untold millions of dollars of gold have been burned out of the country surrounding it is never given a thought.

Neither are these the only oddities in the region through which Highway 97 runs. Whitney Creek across which this road runs is dry throughout most of the year, and always when other streams are flooded. But when most streams are dry, when the heat of a stifling summer lies over the land, Whitney Creek becomes a roaring flood.

Another attraction seldom seen is Wind Cave a short distance from Haystack Mountain. A current of chill air comes from the entrance to this cavern. Another cave not many miles distant has a room temperature where fresh meat is kept throughout the summer.

PET TALK

By M. I. L.

HOW YOU CAN HELP

Whether or not the crime and folly of cruelty to laboratory animals is to be ended depends entirely upon what members of Congress hear from the public. In Oregon, you can help by writing to Sen. Wayne Morse, Sen. Maurice Neuberger and Rep. Robert Duncan, to President John F. Kennedy and to Rep. Kenneth Roberts who is chairman of the House committee to which this legislation has been referred. Ask all of them to support Randall Bill H. R. 4856.

This bill has been approved by the majority of humanitarians as being the most effective, and would rapidly improve the quality of medical research and would save huge sums for taxpayers, besides preventing cruelty.

For details on the treatment of laboratory animals read, "Is Science Cruel to Animals" in the current issue of the Saturday Evening Post. Truth is often painful, yet we must not shrink from it; for only by the honest appraisal of facts can we equip ourselves to fight cruelty wherever it is found and in whatever capacity. Only an enlightened public can be expected to oppose the almost unbelievable atrocities that continue unabated in this modern day.

Why Be Lonely?

There are many lonely people in the world. This does not necessarily apply to isolated members of society. In the midst of plenty (of humans) loneliness may still exist. But generally the hardest to bear is the isolation endured by those who through death or maladjustment have been thrown on their own resources to use time as best they can.

It is amazing the number of people who spend their lives without companionship of any kind. Often this is unavoidable. Accommodation restrictions frequently prevent the keeping of a pet. This is tragic, for many a kind heart beats and possession of some sort of animal would be beneficial to owner and pet.

There are, of course, people who, while not unkind to animals, have never been deeply interested. Perhaps the acquisition of a dog or cat would open up a new vista. An animal which is cared for as an intelligent being can give so much in the way of friendship and sympathy. It questions not, does not backbite, and its faithfulness and devotion cannot be valued in money.

"Without a heart it is dangerous to have a brain."—Ingersoll.

Cottage Grove Man Waits Sentencing

Lewiston, Idaho — (UPI) — Jude C. Kaus, 29, Cottage Grove, Ore., awaited sentencing Friday after pleading guilty to charges of attempted armed robbery and assault with a deadly weapon.

Kaus entered the guilty pleas Thursday before 10th district Judge John Cramer. He was jailed in a holdup attempt at a nightclub near Lewiston last Sunday morning when a musician, Max Durham, tried to take Kaus' .22 caliber pistol from him.

Durham was shot in the chest in an ensuing tussle but is recovering from the wound.

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