

Bryan files complaint

CS seeks cheap power

By GARY LOVAN
College Station can save approximately \$3,000 a day by purchasing megawatts of electricity from Gulf States Power, said Jim Dozier, College Station city councilman. The city has a contract with Gulf States which provides for the sale of megawatts of electricity to College Station beginning this summer, said Dozier.

Utilities so that when the Bryan contract expires in 1979, the city can make transition to Gulf States smoothly.

Bryan contends in the complaint that Gulf States doesn't have the authority to sell electricity to College Station because Gulf States hasn't filed a certificate of convenience and necessity with the Public Utilities Commission.

Dozier said there was some doubt as to whether or not Gulf States has to file such a certificate. He said that was something the commission must decide. Gulf States offers some other ad-

vantages over Bryan Utilities, Dozier said. "Gulf States has the capacity to furnish us with whatever volume of electricity we request. They have the most adequate supply at the cheapest price. They also gave us a 20-year contract."

Dozier said the first thing the commission will probably do is decide whether they have the authority to make a ruling on the case. He said there is some doubt as to whether the sale of electricity by one city to another falls under the jurisdiction of the commission.

If the commission decides it doesn't have the authority, Dozier

said the case will probably be taken to court.

If the commission does make a ruling, two courses of action would be available to the city decided against, he said.

"That city can appeal the decision or they can go to court over the interpretation of the contract," he said.

Dozier said the commission doesn't have the authority to rule on the interpretation of the contract. He said only the courts could do that.

He said he didn't know how a decision against College Station would affect the city's contract with Gulf States.

One of protein sources studied

Powdered blood may feed world

By SUSAN RIFF
Two research projects underway at Texas A&M University may help provide more protein for human consumption. One project is a process that makes protein concentrate from edible animal blood. The other is a process that makes protein concentrate from cottonseed flour to make a protein isolate.

Dr. C. W. Dill, professor of animal science at Texas A&M, directs the animal blood project. Edible blood, according to Dr. Dill, is blood taken from a healthy animal at the time of slaughter. It is contaminated by hair, dirt or other foreign particles.

The first stage of the process is to separate out the red blood cells from the blood and decolorize them. This leaves blood plasma pro-

teins which are desalted, pasteurized to get rid of pathogens and spray-dried. The final product is a white, powdery protein concentrate that has no bloody odor or taste," Dill said.

He said the protein concentrate could be added to bread in place of about 10 per cent of the flour used. This would produce a bread with enough proteins to satisfy human needs.

"Since bread is eaten all over the world, it would be easier to give people more protein without making them accept a new food. The United Nations has shown over and over again that people won't eat what they're not used to eating," Dill said.

"Because of its binding quality, the concentrate also makes it possible to add more soy protein to ground meats. The concentrate keeps the mixture from becoming too crumbly and may make it possible to add up to 50 or 60 per cent soy to the meat."

The cottonseed flour project is under the direction of J. T. Lawhon, associate research engineer.

Used are cotton seeds from a variety that does not contain gossypol, a pigment that is toxic to humans and other one-stomach animals.

This variety of cotton was first produced through cross-breeding at Texas A&M, and the seed, which has a nutty flavor, is called a Tamunut.

Tamunuts are about the size of shelled sunflower seeds and can be eaten as a salted snack or used whole in bakery goods.

Lawhon's research involves using flour made from defatted Tamunuts to make a protein-rich product called an isolate. Isolates are 90 per cent protein.

"The new process we're developing to get this isolate is called ultrafiltration," Lawhon said.

"In the first stage, proteins are removed from defatted Tamunut flour. Then the carbohydrates and salts are removed from the whey left after the protein is removed. The protein isolate is used for human consumption and the carbohydrates and salts are used for animal feed.

"The final effluent of the process is pure water, which can be recycled for use in the first stage."

Lawhon said this process is more efficient than current methods because it is cheaper and it does not leave the whey, as the final effluent. Whey is high in nitrogen and is considered an environmental pollutant.

Class of '77 joins Former Students

Members of Texas A&M's Class of 1977 became official former students during inductions held Monday and Tuesday nights. Dr. Jack Knox, Association of Former Students president, formally welcomed the first graduating class of Texas A&M's second century.

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