

As food centers

Sewage plant use change proposed

Conversion of sewage plants into food producing centers was proposed here recently as a solution to the world's food shortage problem.

The concept was outlined in a special lecture by Georg Brogstrom, a Michigan State professor widely recognized as a world food supply authority.

"The only alternative we have left is to rapidly convert sewage plants into food producing centers," Brogstrom declared in his talk sponsored by Texas A&M's Institute in Ecology.

He explained the waste could be converted into nutrients and used as feed for such animals as rabbits and fowl as quail and pigeons, which in turn would be consumed by humans.

Brogstrom said such small creatures would be far easier to handle in a plant-type operation than such traditional meat sources as beef.

The ecological discussion, he observed, has been going on without a deep understanding of the food issue.

"It is my contention that food is the key issue in the overall ecological issue," Brogstrom emphasized.

He said that man's quest for food has been the overwhelming force in reshaping the globe—through such activities as cutting down forests to grow crops.

"We have been inclined to judge such activities in terms of the 'credit-post,'" reminded the author of three recent books on the food supply issue, "but we have not made a complete accounting and looked at it in terms of the price we have paid—the 'debit-post'—and emptied ground water resources and depletion of soils."

Brogstrom warned of the growing shortage of farm land on a global basis.

"We are gobbling up farm land at a frightening pace," he said. "We more or less take it for granted that we are going to compensate for this loss with increased production on the remaining land."

He said several European countries will no longer have farm land by the year 2000, if current trends continue.

The professor cited the "intimate relationship" between water and food, with more water constantly being needed to support food production.

Alvin miss, Richardson boy take titles

Susan Ober of Alvin High School and Vance Krebs of Richardson were named Mr. and Miss Workshop at the annual High School Publications Workshop Saturday.

The workshop favorites were selected by 350 teenage journalists attending the one-week program which ended Saturday morning with awards presentations.

Miss Ober, 17, is the daughter of Mr. and Mrs. A. L. Ober of Route 1, Box 115, Alvin. She is a senior at Alvin High School.

Krebs, 16, son of Mr. and Mrs. Donald W. Krebs of 7178 Kendallwood, is a junior at Richardson High School.



Dr. Jack K. Williams (center), Texas A&M University president, receives Texas House of Representatives resolution from Representatives Joe C. Spurlock II (left) of Fort Worth and Bill Prenal of Bryan.

12 former students write it

House resolution praises Williams

Dr. Jack K. Williams, Texas A&M president, was presented Friday a copy of a Texas House of Representatives resolution commending his appointment and praising his achievements in higher education.

Rep. Joe C. Spurlock II of Fort Worth and Rep. Bill Prenal of Bryan presented the document to Williams during brief campus ceremonies.

Coauthored by the 12 Texas A&M graduates serving in the House of Representatives, the resolution says members of the 82nd Legislature "congratulate Dr. Jack Kenny Williams on his excellent achievements in the field of education, and on his appointment as president of one of the most outstanding universities in the country."

The resolution states the legis-

lators also "wish him success in continuing to advance the cause of freedom and education in our nation."

Concluding remarks of the document said it was prepared for Williams and his family "as a token of esteem from the Texas Legislature, and as an expression of confidence in his abilities."

"I am deeply honored and accept this in the name of Texas

A&M University," Williams told Representative Spurlock and Prenal.

Authoring the bill were Representatives Bill Baas of Wheeler, John F. Boyle Jr. of Irving, Bill Clayton of Sprinklake, Joe Goldman of Dallas, Aubrey Moore of Hillsboro, E. L. Short of Tahoka, Paul Silber and Wayland Simmons of San Antonio, Richard Slack of Pecos and W. L. Smith of Beaumont, along with Representatives Spurlock and Prenal.

The two legislators were accompanied by Michael H. Hopkins, a 1970 Texas A&M graduate currently serving on the House of Representatives staff.

Food Service worker counts many hours, friends here

Leo A. Grimaldo has punched the Food Service Department time clock more than 8,000 mornings and counts almost as many friends from his work at Texas A&M.

The veteran A&M employee is Duncan Hall supervisor with experience in virtually every phase of the department's operation.

"Leo's biggest asset is enthusiasm," commented Fred W. Dollar, director. "Every detail of a job gets all of his attention. Leo doesn't know any other way to do it."

Grimaldo's enthusiasm, humor and pitch-in-and-do-it attitude has won him friends inside and out the department, among them Sen. Bill Moore and Rep. Bill Prenal.

His brown eyes twinkle with it, whether checking details of a banquet with Duncan manager

Henry Wellnitz, talking about successes of his nine children or recalling friends made at Texas A&M since 1934.

"I came from Eagle Pass in 1934 to work only for the summer," noted the 67-year-old food service veteran. Except for 19 months in the Navy as a cook and ship barber, Grimaldo made it a lifetime career.

He started as a waiter under W. A. Duncan, former director for whom the 3,000-capacity east area dining hall is named. J. C. Peniston retired Grimaldo in 1945, when he was discharged as a petty officer, third class.

He was head waiter at the former Bryan Field annex when freshmen were quartered there four years. Grimaldo came back to Sbis and Duncan duty in 1950, under Peniston, Frank Nugent and Dollar.

Directly or indirectly responsible for every banquet held in Duncan, Grimaldo recalls an A&M athletic Hall of Fame event as the most elaborate. At such events he renews many acquaintances among former students with whom he worked.

"I enjoy my work, meeting all these wonderful people and being a part of Texas A&M," Grimaldo said. He credits Texas A&M as an important factor in helping he and his wife Mary "raise nine fine children."

The native of Hondo expects no less productivity from his offspring. He convinced a high school age son to attend the Bryan Academy of Cosmetology for the summer, to learn a skill.

Two daughters are beauty shop operators, three work at Bryan Hospital and Clinic as medical records librarian, bookkeeper and nurse, and his oldest son, Leo Jr., works in a Sinclair chemical lab in Pasadena.

The energetic Grimaldo thinks a younger daughter may become the first of his clan to attend A&M.

He's proud of their accomplishments and takes every opportunity to be with them. A recent swimming outing to the Research Annex pool pitted him against the younger members of the family.

"They couldn't beat their Dad," he chuckled. "I may be 67 years old, but I feel like 25."

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Student proposes engine use to make glider self-propelled

William K. Puckett, an A&M aerospace engineering graduate from Baytown, has formulated a small jet engine capable of creating sailplanes totally independent of a powered-aircraft tow.

Puckett's arrangement, while not a new idea, encloses the glider's auxiliary power source within the fuselage.

In that location, the lightweight jet engine does not intrude into the airstream nor detract from the sailplane's aerodynamics, designed to keep it aloft by taking lift advantage of

rising columns of warm air.

Hobbyists have been obtaining similar auxiliary power for gliders by mounting small reciprocating engines externally, pointed out Puckett.

However, this method leaves the mounting pylon, engine and propeller bare, introducing unwanted drag when the craft is flown as a sailplane. Such arrangements cause other problems, too.

Puckett's design utilizes a low-cost, 20-pound pulse jet manufactured at Ingram.

"It has no parts and produces

80 pounds of thrust," the aero major reported in a paper for Dr. Charles A. Rodenberger, aerospace engineering professor. Rodenberger allows the students to develop various ideas in his senior seminar course.

"The engine burns propane-butane gas and is extremely simple to operate," added Puckett. The incorporation of the small jet engine will have its effect on the gliding hobbyists because it will simplify the operation of getting the glider into the air, while at the same time provide a slight safety factor.

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