Two Colleges, **20,000 Aggies** Seen For 1976

Growth of Texas A&M through 1976 will include two additional colleges, an anual budget of \$200 million, 20,000 students and \$50 million in new construction, Dr. Wayne C. Hall predicted recently.

The academic vice president and graduate dean told the Brazos County A&M Club of projections for A&M's future.

"Texas A&M has enjoyed sound growth thus far and we look for orderly increases in students, faculty and facilities," he said. "Our graduate school, for example, may number 6,000 by A&M's centennial-almost three times its current number. We now produce 150 Ph.Ds per year. By 1976 that figure may be 250."

The dean suggested program emphasis would continue in fields of engineering, veterinary medicine and the sciences with additional thrust for liberal arts.

"A great university needs humanistic fields to support technical areas, he pointed out to local A&M former students and their wives.

Hall also explained the need for graduate programs.

"If an institution of higher education is to survive, it must be known as a major research and graduate center," he said. "It is a matter of financial support. The state legislature puts a premium on formula dollars for graduate programs, up to 20 times the rate for doctoral students as for undergraduates.

"I am confident A&M will conrequirements will no doubt bethe future will come as transfers from junior colleges.

A&M called for colleges in architecture and education within two years. Adding these to the newly formed Colege of Business and the six now in existence (engineering, science, geosciences, liberal arts, veterinary medicine and agriculture) A & M would have nine degree-granting divi- their daughter, Elizabeth, 17. He sions by 1970, he anticipated.



NEW RESEARCH PLANT

Dr. W. W. Meinke, head of Texas A&M's Chemurgic Research Laboratory, examines a hake fish which is being used to produce fish protein concentrate in a new pilotresearch plant at the university's Research Annex. The plant and study are financed by SWECO, a Los Angeles food industry equipment manufacturer.

"Victim of Plot," Says Glue-sniffer

GEORGETOWN, Tex. (AP) tinue its emphasis on strong un- James Wolcott was suffering dergraduate programs," the vice from delusions that his parents president added. "But entrance and sister were trying to destroy him when he shot them to death come increasingly difficult. And in the family home Aug. 5, a many of our undergraduates of psychiatrist testified Wednesday.

Dr. E. Wayne Goff, Austin, said he felt Wolcott, 16, was suf-Hall noted the master plan for fering from "a schizophrenic illness of a paranoid type" both now and at the time of the three

Young Wolcott was charged with murder in the shooting deaths of Dr. Gordon Wolcott, biology professor at Southwestern University here, his wife and is being tried only in the father's ing his family.

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Goff said Wolcott told him that in November, 1966, he suffered a deep depresion and wanted to kill himself. But, Goff said, Wolcott was afraid to do so.

Later, he continued, the boy told him he developed a general feeling of being threatened which developed about two weeks before the slayings into a feeling that "a conspiracy was at work to drive him out of his mind, drive him insane, destroy him."

"Then it became pinpointed on his family—his mother, father and sister," Goff said.

that he sniffed glue before shoot-

On-campus interviews

February 14 & 15

HUGHES

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Pilot Fish Plant Studies Protein

A fish protein concentrate pilot-research plant is now in operation at Texas A&M, Howard W. Wright Jr., SWECO president, announced Wednesday.

The plant, funded by SWECO, a food industry equipment manufacturer, is jointly operated by the company and the University's Chemurgic Research Laboratory.

Fish protein concentrate (FPC) is a diet supplement which holds promise of alleviating malnutrition in many parts of the world. It is a light tan powder, virtually odorless and tasteless, which contains more than 80 per cent of a balanced animal protein and several nutritionally beneficial minerals.

The FPC pilot plant will pursue the following objectives: 1) determine plant design and equipment specifications for future large-volume, commercial production of FPC, using a single solvent extraction system (isopropyl alcohol) process, 2) produce sufficient test quantities of FPC for food incorporation and market evaluation studies by interested industries, 3) investigate the feasibility of using a variety of fish for the commercial production of FPC, and 4) conduct an intensive test program to determine the most economical method for producing high-quality FPC on a mass production basis.

"The single solvent FPC extraction process we are using in the SWECO-Texas A & M pilot plant is the same process developed by the Bureau of Commercial Fisheries in its own laboratories," said Mr. Wright. "We have scaled-up the BCF process have scaled-up the box design."

1961 Chevrolet Impala. Four door, six cylinder, stick shift, new tires, radio, heater. Clean. \$550 cash. Phone 822-4972. to learn more about the design and operation of plants required for large-volume, commercial production of FPC."

Dr. W. W. Meinke, head of the university's Chemurgic Research Laboratory, said that "The addition of small quantities of fish protein concentrate supplies cerprotein concentrate supplies certain essential amino acids not available in vegetable proteins contained in wheat and rice flour the relationship of the relationship of the relation to the relationship of the relations -thereby providing a balanced

The U. S. Food and Drug Administration approved FPC, pro-Wolcott told him, Goff related, duced from hake, and hake-like fish, for human consumption in February, 1967. In addition to

working with hake, the SWECO-Texas A&M pilot plant will explore the possibility of converting other species of fish, such as menhaden, herring and anchovy, to FPC. Refrigerated storage capacity for ten tons of fish will enable the pilot plant to make long test runs on a variety of species

The pilot plant, designer by J. Paul Miller, SWECO chief process engineer, is being operated under Dr. Meinke's direction, and represents a coordinated university-industry research enterprise. In addition to the FPC pilot plant, Texas A&M University is engaged in a variety of other programs related to development of ocean re-



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with Different Isotopes of Strentium.
Biochemical Interrelations of Calcium
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me: Friday, Feb. 2, 1968 at 9:00 a. m.
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