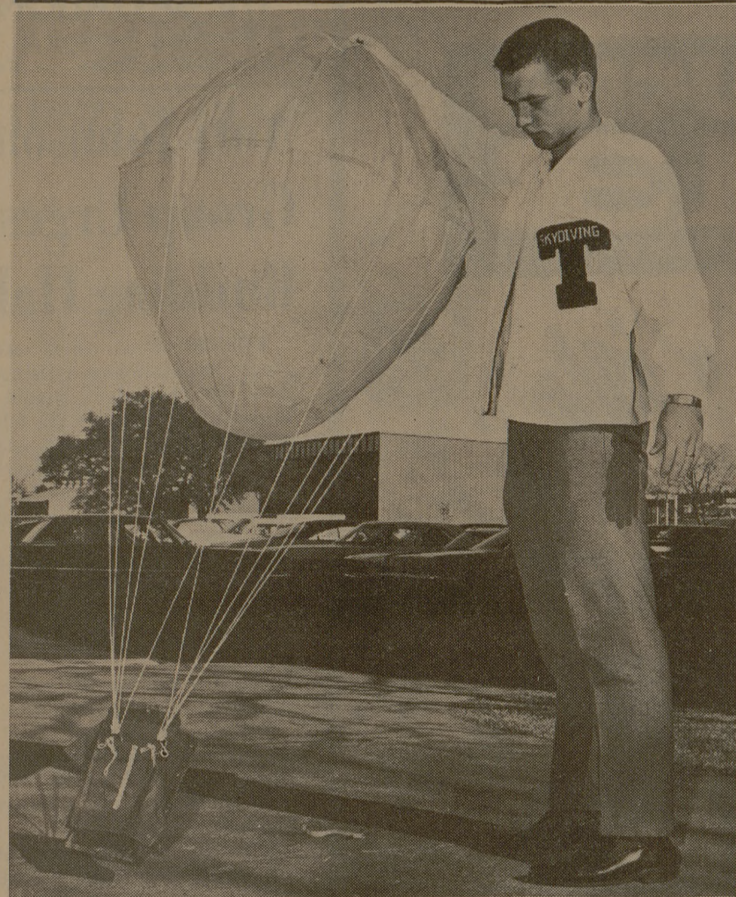


May Save Lives

A&M Student Tests New Parachute



LIFE-SAVING IDEA

Texas A&M aerospace engineering major John M. Haynes is working on plans for a parachute that can be inflated in the air—into a balloon. The senior from Dallas has several ideas about how it could be employed to save pilots of stricken aircraft.

Smoke spews from a stricken jet, which trembles on the brink of its last plunge to earth.

The pilot bails out. His parachute blossoms as the doomed plane follows a downward curve of destruction.

Enemy forces watch below as the billow of fabric lowers the pilot toward certain capture. Instead, the canopy changes shape as the airman opens valves on a seat-tank beneath him.

The umbrella becomes a tear-drop-shaped balloon and the aviator's descent slows until he is suspended in midair. A brief radio transmission is followed shortly by the appearance of a military transport.

A FRAMEWORK OF METAL and rope beneath the craft snares the chute-balloon shrouds and the downed pilot is snatched to safety.

A Texas A&M University aerospace engineering major, John M. Haynes of Dallas, has begun developing the device and believes his aerial-retrieval system has other uses.

"The system merits development if only one life can be saved that would otherwise be lost," Haynes declared.

He pointed out that air rescue techniques used by armed forces

in Southeast Asia often jeopardize several U. S. fighting men other than the pilot who is forced down.

"A chopper usually goes for him, placing at least two more men in practically the same predicament as the pilot," Haynes noted.

WITH HIS CHUTE-BALLOON, pilots who bail out stay above ground weapons fire.

Haynes' system was revealed in a senior problems course instructed by Prof. Charles A. Rodenberger. The aero major computed and tested the system's aerodynamic stability, size requirements of canopy, seat tank and lines-risers system and structural characteristics.

"It is well within the capability of our present materials technology," said the son of Air Force Lt. Col. and Mrs. Baylor R. Haynes, 9 Bay Drive, Fort Walton Beach, Fla.

He has the aerial - retrieval system in the patenting process.

"I've only made a feasibility study," Haynes pointed out. "Several areas need work, especially the tank. There are two possibilities: a tank for lighter-than-air gas or an air heater."

HAYNES' MODEL, which underwent several tests, is about six

feet long. The inflated canopy is about 30 inches in diameter.

The Aggie senior visualizes the full-scale system as a balloon of 28-foot diameter. About 8,000 cubic feet of gas would be required to provide buoyancy for 350 pounds at 5,000 feet in standard atmospheric conditions.

Haynes lists numerous commercial-military uses of the device. Outpost observers could inflate the system, ascend to a vantage

point for reconnaissance and then deflate for a slow, safe descent, he noted. Smoke jumpers wouldn't have to worry about being surrounded by fire.

"If things get too hot, they simply inflate and rise out of danger," the 22-year-old said.

"PERSONS ON a sinking ship might find it more practical to wait for help in the air rather than on a storm-tossed sea. A modified system could be attached

to the ship to keep it afloat.

Haynes went on. The senior has mulled the possibilities of combining ballooning and parachuting for a new age sport.

He qualifies to test the working size chute-balloon. Haynes has taken off in an aircraft 80 times, but never bailed. He has 80 jumps to his credit as a member of the A&M Sky Club and Sky-diving

Noted Prof To Join Eco Staff

Dr. Charles E. Ferguson, economics professor at Michigan State, will join the Texas A&M faculty Sept. 1, announced Dr. M. L. Greenhut, head of the university's Economics Department.

Before accepting the Michigan State appointment last year, Dr. Ferguson taught 10 years at Duke. He was elevated to the rank of full professor in 1962.

He earned his Ph.D. in 1957 at the University of North Carolina, where he had previously studied as a university fellow and Earhart Foundation fellow.

While at Duke, he was awarded four annual Ford Faculty Summer Fellowships, beginning in 1957.

Dr. Greenhut said Ferguson is internationally recognized for his research. He has published more than 50 articles both in this country and abroad. He also has written two textbooks, "Principles of Economics" and "Microeconomic Theory," and two pro-

fessional level books, "A Macroeconomic Theory of Workable Competition" and, soon to be released, "The Neo Classical Theory of Production and Distribution."

Dr. Ferguson is active in numerous economic societies and associations. He was vice president of the Southern Economic Association last year and is currently a member of the organization's board of editors. He also is an editorial reader for The American Economic Association and The Econometric Society and an editorial collaborator for the American Statistical Association.

Ferguson is married and has two children. Mrs. Ferguson, a chemist, attended graduate school at the University of North Carolina and Duke after receiving her undergraduate degree from Hendrix College in 1952. Several of her articles have been published in the Journal of Dynamic Chemistry.

S. Viets Arrest Three Politicians

SIAGON (AP) — The United States was reported seeking an explanation from President Nguyen Van Thieu's administration Wednesday for the arrest of three prominent anti-government politicians, all rounded up at a time when opposition elements were talking of unity against the Communists.

The official word was that the U.S. Embassy was in consultation with the government about the three, held in what national police called protective custody. Embassy officials were known to be seriously concerned about the impression the arrests might have on the government's image abroad.

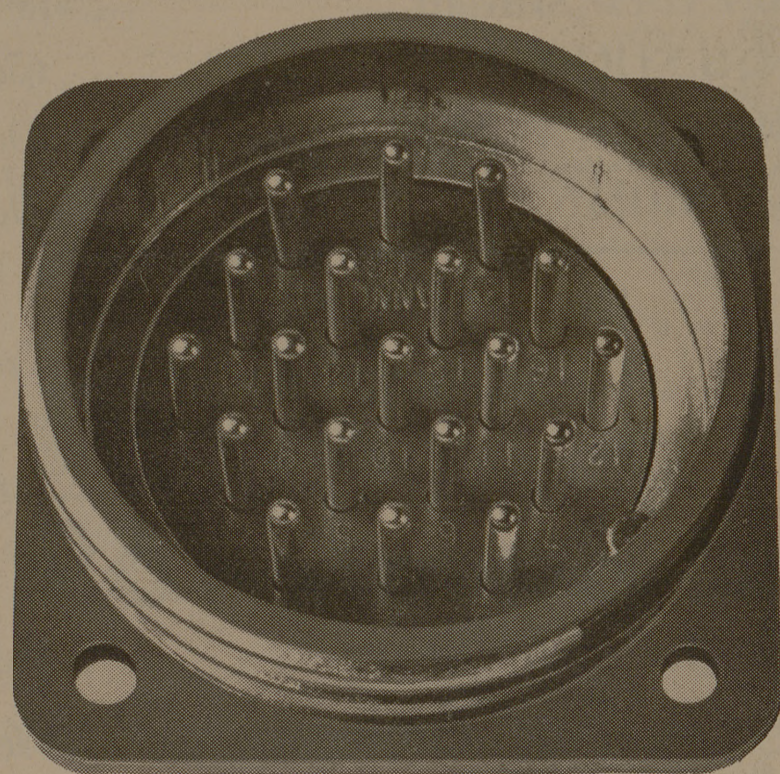
High Vietnamese sources let it be known that a captured Viet

Cong list named South Vietnamese personalities who might figure in a coalition government. Thieu's government has gone firmly on record against a coalition with the Communists. The implication was that other political figures might be detained.

NO OFFICIAL reason has been given for the arrests.

However, Nguyen Ngoc Linh, director general of information, without directly saying the Viet Cong considered the three prospects for either assassination or coalition government jobs, suggested: "Maybe they got their names on some list."

"You know the Viet Cong could jump on those guys and kill them and blame the government," Linh said.



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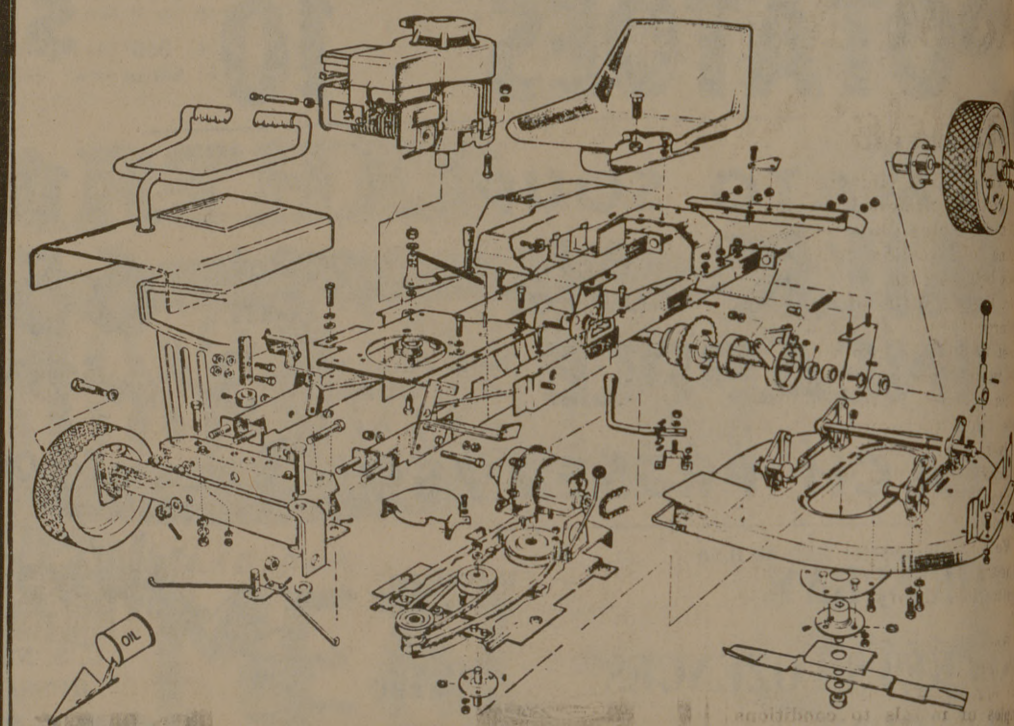
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