

# 75-Year-Old Railroader Catches Library Mix-Ups

A retired railroad worker who spent his younger days hunting rabbits and picking dewberries on the present site of the A&M library now checks students on the same spot for improperly marked books.

J. W. Haygood, looking 10 years younger than his 75 years, said, "I do it just to keep from having time on my hands." He retired after 33 years and nine months of railroading in Texas. His location on campus is a busy one. It's reminiscent of the "Elephant Walk" story where the magnificent house was built across the elephant's trail.

Unlike the elephant story which barred the great beasts from following their ancestors down the traditional walk, Aggies find ready access and exit to the \$3.8 million library which cut-off four streets when it was built.

HAYGOOD DOESN'T know for sure, but he estimates as many as 5,000 students a day enter and leave the library which opened last summer. Many of them use it "only as a cut-through" from one class to another, he added.

"They are not going to walk around," he said.

Haygood's job is checking every student that passes his check-out counter.

"We're not trying to catch thieves, but errors in circulation," he emphasized.

He pointed out books, which must have matching cards and numbers, are sometimes mixed up.

"When one book has the wrong card, it means two books are messed up," he said.

HE NOTED students occasionally "get library books mixed-in with textbooks" by accident. A constant vigil helps to eliminate many minor problems, he added.

"We actually catch them trying to take books," Haygood said, quickly adding, "I think most of them are real honest about it."

Haygood admits it still takes all kinds of people to make up the world.

"Some of them don't have respect for anybody, but most of them are very nice," he continued.

When improperly marked books are discovered, students "offer

many different excuses," he said.

RECENTLY confronting a student with an irregularly marked book, Haygood was told, "I don't give a darn what kind of a card it has!"

"Once it had been explained, there was no problem," he stressed. Pressures, however, from the many thousands of students exiting during a change in classes often prevents a full explanation, he said.

## Aero Students Solve Problem In Jet Travel

Aerospace engineering students here have put an old gadget to use in a new spot to solve a recurring problem of jet air travel. Miles L. Sawyer of Burnet and James S. Wilbeck of Hungerford engineered an indicator that could give a jet pilot advance warning of a potential flame-out. It would be built into the engine.

Sudden loss of power for a jet aircraft is often caused by compressor stall, an aerodynamic problem involving loss of engine turbine efficiency. Similar to a wing stall that causes loss of lift when a plane's air speed drops too much, unchecked compressor stall can leave a jet powerless on the ground or in the air.

THROTTLE manipulation usually clears it up.

"In the phenomenon of compressor stall, a stall pocket forms at the tip of a couple of turbine blades," explained Wilbeck.

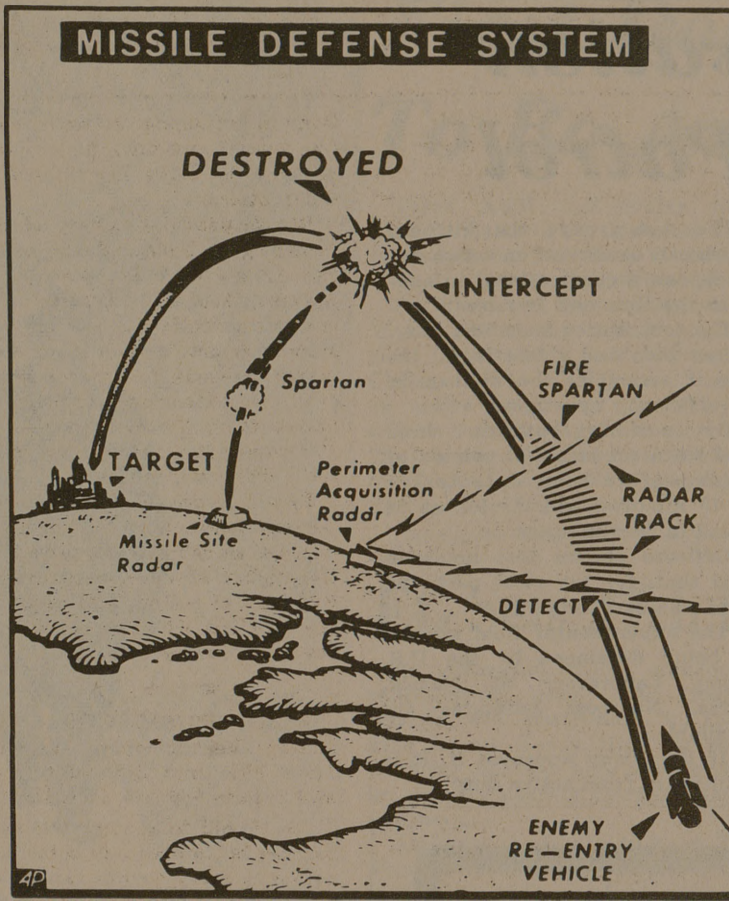
"As stall increases, two pockets form, then three and so on symmetrically about the compressor wheel. The pockets of low pressure air rotate with the turbine. It is both dangerous and costly in terms of wasted fuel and needed power. It also causes vibration in the compressor wheels and shaft," he said.

"Only a few seconds can pass from the time compressor stall begins until the pilot corrects throttle," pointed out Sawyer, an Air Force ROTC cadet and Squadron 13 commander.

The senior aero majors' instrument feels the stall when it first begins and warns the pilot of impending power loss.

IN THEIR research reported to Dr. Charles A. Rodenberger in a seminar course, Sawyer and Wilbeck indicate a column or cantilever beam-mass system built into the engine could detect the first pocket of low-pressure air.

"The beam is designed with a resonant frequency corresponding to the frequency of one stall pocket rotating at the same angular velocity as the compressor," Sawyer explained.



**HOW ABM SYSTEM WOULD WORK**  
If the suspended Sentinel antiballistic missile (ABM) program is put into operation, it will work as follows: enemy missile detected by radar; nuclear-tipped Spartan interceptor launched; Spartan intercepts and destroys enemy missile before it can hit target city. Drawing based on hearing before U. S. Senate subcommittee on International Organization and Disarmament Affairs. (AP Wirephoto Drawing)

## Final Rites Planned For Carl M. Lyman

Dr. Carl Morris Lyman, retired head of the Biochemistry and Biophysics Department, died early Sunday morning in a local hospital.

Funeral services were planned for 3:30 p.m. Tuesday at the First Christian Church in Bryan, where Dr. Lyman had been an elder. Burial will be in the College Station City Cemetery. Arrangements are by Hillier Funeral Home of Bryan.

Survivors are his wife, Louise, of 604 Hensel Drive in Bryan; his father, Carl Andrew Lyman of Eugene, Ore.; a sister, Mrs. Victor L. Hershiser of Electra, Texas; and two brothers, Norman C. Lyman of Denver, Colo., and the Rev. W. Harold Lyman of Salem, Ore.

Mrs. Lyman requested that in addition to flowers, contributions can be made toward a fellowship in the Department of Biochemistry and Biophysics or to the First Christian Church Building Fund.

Dr. Lyman headed the Biochemistry and Biophysics Department for 19 years until his retirement last August. He then joined the Department of Soil and Crop Sciences as a professor in cotton research.

THE SCIENTIST was considered an international authority on the biochemistry of animal nutrition. His best known work dealt with the development of techniques for determining proteins (amino acids) in feedstuffs by microbiological assay. He assisted in the discovery of Vitamin-C and pentathenic acid.

He was also widely known for his research on improving the nutritional value of cottonseed meal by reducing the content of gossypol, a toxic substance. Much of his work has led to improvement of swine rations.

LYMAN CAME here in 1940 as biochemist with the Texas

Agricultural Experiment Station and was appointed head of the Department of Biochemistry and Nutrition in 1949. The department name has since been changed to biochemistry and biophysics.

He was graduated in 1931 from the University of Oregon with a BS degree in chemistry. His master's degree in biochemistry came from Oregon State College in 1933 and his doctorate in the same field was in 1937 from the University of Pittsburgh.



LYMAN

## Sea Grant Given Ph.D. Candidate

Pan American Petroleum Foundation of Tulsa has awarded a \$3,600 grant for a 1969-70 graduate fellowship in oceanography.

Dr. Richard A. Geyer, head of the Oceanography Department, said the fellowships will be awarded to S. G. Edwards of Houston, a Ph.D. candidate studying sedimentation of Mexican coastal waters.

## ATTENTION ROTC SENIORS

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March 11, 12, 13, and 14 — 8:30 a. m. to 6 p. m.  
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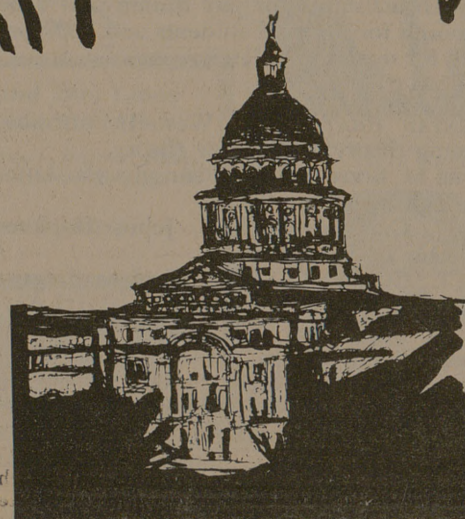
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State Representative

Walter Knapp

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A POLITICAL FORUM PRESENTATION

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