

# Study Shows Motel Sleepers Will Be Undisturbed By Jets

Light sleepers can snooze on undisturbed by jet airliners as a result of a study completed by an A&M architectural physicist.

Matthew A. Nowak, who doubles as an assistant professor with the Division of Architecture, was awarded a grant to determine the feasibility of constructing a motel near the end of a major airport runway.

Such a location likely will mean the difference between a successful business operation and one struggling on meager earnings in a more distant location from the airport.

RESULTS OF Nowak's just completed findings will be used by professional architects appointed to

design the multi-storied motel in order to cope with the sound problem.

Using microphones and recording devices Nowak found that the noise created at the proposed location ranged from 75 to almost 100 decibels.

In laymen's terminology, the noise ranged from the sound of a "busy" secretarial office to the "roar" of a passing subway train. A person can be permanently deafened with sounds of 120 decibels and above, depending upon the duration.

NOWAK EXPLAINED that extreme noise can effect the durability of a building as well as the nerves of the building's occupants.

Glass, for example, will shatter if the sound waves become strong enough.

Placing a motel near the end of the runway is a sample of some of the studies turned over to A&M research architects. Knowing more about sound and its control will likely lead to business offices closer to airports to accommodate today's high-flying businessman.

A radio station manager asked about the feasibility of placing his facilities near a runway where land was available. To offset the outside disturbance and provide low level noise within the studio, the architect recommended the broadcasting studio be placed in a building within a building. That was done.

A SHOPPING center in Dallas will be constructed soon only 1,000 feet from the end of a Love Field airport runway. The buildings will be designed to cope with the roar of airplanes.

What can be done to cut noise? Plenty, according to Nowak.

Buildings can be placed, for example, where solid walls bear the brunt of direct sound. If glass or light material faces the noise, the disturbance inside will be greater.

Other suggestions include small structural openings, increased overhanging construction and other architectural elements to muffle undesired clamor.

SOME OF the techniques are borrowed from other professions.

Dentists, for example, found steady blasts of music can be used with patients to block the disturbing sound of the drill.

Using this theory, Nowak installed a fan to kill undesirable noise drifting with the flow of air through an elementary school. A central point where the noise funneled from front to back of the building, a "noise maker" was installed.

"It's a lot easier to cope with the fan's steady sound than voices of many students," the architect explained.

The ideal situation would be to have a switch hanging from the sky that would control excess noise," Nowak said with a sly grin. "Then to stop the disturbance, just turn a switch."

Such a technique would be called an "anti-nucleonic sound sucker."

## Students Slate New York Trip

Five A&M journalism majors and their advisor will be in New York April 16-23 to attend the National convention of Alpha Delta Sigma, national advertising fraternity.

Advertising students and professionals from advertising agencies from all over the United States will attend the 50th anniversary convention.

The A&M delegates are Charis Mauldin, president of the local chapter; Ted Jablonski, vice-president; Ronnie Fann; and Juan Tijerina. Delbert McGuire, of the Department of Journalism is their advisor.

## Poultry Team Enters Contest

The Poultry Judging Team will compete in the Southern Collegiate Poultry Judging Contest April 18-19 at the University of Tennessee.

Dr. C. B. Ryan, team coach and associate professor of poultry science, said the group will leave April 15 and return April 21.

Team members are Hershell Ball of Burleson, Carroll Burgess of Nacogdoches, Kenneth Engelbrecht of Crawford, Frank Fojt of Sneed and Orlan Ihms of Georgetown.

## Class Of '23 Sets Anniversary Plans

The class of 1923 will celebrate its 40th anniversary at the Memorial Student Center April 19-21.

The reunion opens officially with registration Saturday morning. There will be a coffee at 9:30 followed by a tour of the campus at 10.

After luncheon, class pictures will be taken and the exes will attend the A&M-SMU baseball game.

To spur public interest in the bald eagle's welfare, the Post Office has put a bald-eagle design on airmail cards.

COLLEGE & CAREER CLASS Cadets and College Girls Meet Sunday 9:45 a.m. Wesley Foundation Building at the Methodist Church. A Social Each Friday at 7 p.m. in the Wesley Foundation. "The Growing Class,"

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## Bridge Committee To Hold Tourney

The third annual A&M bridge tournament will be held Saturday and Sunday in Rooms 2-A, 2-B and 2-C of the Memorial Student Center.

The tourney, sponsored by the MSC Bridge Committee, will be played in two sessions. The first session will be held Saturday night from 7:30-10:30.

The second session will run from 8 a.m. Sunday until noon. Fractional master points will be

awarded during the first session, while full master points and trophies will be given during the second day of the tournament.

Students have been requested to register for the tournament in pairs with Miss Gladys Black in the Food Department Office by Friday.

Prior to the tournament, entrants will be treated to a dinner. Refreshments will be served during the two sessions.

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