



C. J. FREUDENBERG

Environmental Laboratory Becomes A Reality

A night-shrouded highway slashed by passing motorists' headlights unreels before a driver's eyes. Suddenly, fog swirls over the scene.

The driver's hands clench the steering wheel as posts, guard rails, trees and approaching car lights become indistinct blobs.

Leg muscles tense, eyes squint and heart beats faster as the driver strains to orient on the middle stripe and discern objects ahead.

Meanwhile, students at instruments outside the environmental lab record the "driver's" pulse rate, temperature, respiration and other physical factors while subjecting him to various situations.

The human factors and environmental lab being installed in Texas A&M's Industrial Engineering Department will test persons in various environmental conditions, such as an executive forced to make an urgent, significant decision.

The facility, designed and constructed by students and faculty, is for work in a human factors engineering graduate program being added by the department, according to Dr. A. W. Wortham, head.

He said the lab will be used in instructing large classes, individual experiments by Ph.D. candidates and faculty research. A product of interdisciplinary thinking, the lab is being built under the supervision of Dr. R.

L. Street. Instructors Jim Henning and Peter Anderson and graduate students Paul Hale of Hitchcock, Steve Newcomer of Austin and Frank Bergen of Chillicothe turned numerous ideas into hardware for the lab.

A 7 by 7-ft. rear-projection screen was sand-blasted by the work crew to meet specifications.

Temperature, humidity, sound and visual conditions in the 8 by 12-ft. chamber will be completely controlled from a central console. A 30-to-140-degree temperature range will be possible with five tons of air-conditioning. Heaters, a humidifier and electrostatic air cleaner further modify conditions.

A dual speaker system will enable researchers to surround test subjects with sound or introduce conflicting noises.

Light intensity will be rheostatically controlled and the rear-projection system will introduce optical illusions. A 5½-ft. square

platform within the chamber can be tilted at various angles, vibrated or replaced with a turntable or treadmill.

A one-way mirror provides observation capability. Ports in the modular-constructed, soundproof vault will accommodate cameras for movies, video tapes and closed-circuit TV transmission to

classrooms.

Console instrumentation also will include a 24-channel recorder and physiological data acquisition system. Provision will be made to tie into A&M's new IBM 360/65 computer.

The entire chamber can be dismantled and reassembled in bolted panel sections.

Russian Students Find JFK Popular

John F. Kennedy ranks first on the list of Americans most popular with Russian university students, a special poll revealed today.

Results of the poll, conducted this summer among 1,000 university students by the Soviet Novosti Press Agency, were published in a report appearing in the current issue of Look magazine. The Gallup organization conducted a similar poll among 500 U.S. college students.

Both polls, taken for the magazines' special issue on Russia, show that American and Soviet students know surprisingly little about each others' countries.

The Russian students ranked author Ernest Hemingway as their next most popular American, with Mark Twain, Franklin D. Roosevelt, William Faulkner and Louis Armstrong following in that order.

Also, there were a few votes for singers Paul Robeson and Pete Seeger and some for actor Gregory Peck.

When asked to name America's greatest political leaders, Soviet students listed Abraham Lincoln first, JFK second and FDR third.

The poll among Russian students indicated that most of them learn about the United States through the translated works of American authors. More than

any other book they could name, the Soviet collegians listed John Steinbeck's Travels With Charley as giving the most comprehensive view of America.

The 500 American students polled by Gallup ranked Russia's cosmonauts as the Soviets they most admire; then came Soviet Premier Alexei Kosygin, Lenin, Dostoevsky, Tolstoy and Vladimir, Nabokov, the author of Lolita (who left Russian in 1919).

Listing their most admired Russian political leaders, U.S. students picked Kosygin number one by a wide margin, this perhaps because he is currently in office. A trickle of votes turned up for Soviet Communist Party chief Leonid Brezhnev and for Soviet Foreign Minister Andrei Gromyko.

On the subject of peace, 76 percent of the American students were sure the superpowers could live in peace with one another. This reassuring optimism spread to 90 percent of the Russian students.

Soviet students listed Judgment at Nuremberg, On the Beach and the old version of War and Peace as their favorite movies. Some 87 percent of the Americans polled had seen no Soviet-made movies at all, and the few who had named Ballad of a Soldier as the best they'd seen.

120 Fellowships To Be Awarded

Texas A&M University students with questions about Danforth Graduate Fellowships may contact Dr. Haskell M. Monroe, assistant dean of the Graduate College.

Monroe said candidates must be nominated by liaison officers of their undergraduate institutions by Nov. 1. He noted the foundation will award about 120 fellowships in March.

Open to seniors or recent graduates of accredited colleges in the United States, Danforth Fellowships are designed for students who have a serious interest in

college teaching as a career and who plan to study for a Ph.D.

Monroe said Danforth Graduate Fellows are eligible for four years of financial assistance, with a maximum annual living stipend of \$2,400 for single persons and \$2,950 for married, plus tuition and fees. Dependency allowances also are available.

Applicants must be less than 30 years old and may not have undertaken graduate or professional study beyond the baccalaureate. The foundation does not accept direct applications, Dr. Monroe noted.

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Con Thien, Where Big Shells Rain Down On Tired Marines

By EDWIN Q. WHITE
CON THIEN, Vietnam. (CP)—The name Con Thien may not be recorded in Marine history beside Guadalcanal or Iwo Jima, but those who are here will remember these muddy hills as a place where bravery was routine and heroism was commonplace.

CON THIEN is a forward position for a detachment of U. S. Marines hanging on grimly in the face of the greatest artillery, rocket and mortar siege seen in Vietnam since the French were overwhelmed 13 years ago at Dien Bien Phu. The big shells come from the North, but the enemy is all around.

Con Thien is an artillery base and an observation post. It is the high ground two miles south of the demilitarized zone that divides Vietnam. The top-most hill rises about 500 feet and observers can look across the DMZ into North Vietnam. The hills are scarred and scraped by shell blasts. Red mud covers everything.

CON THIEN is many other things. IT IS teen-aged warriors in filthy, tattered fatigues digging their holes deeper in the brief interval between barrages. They joke as they dig. Sometimes they laugh.

Those freshmen who paid for their yearbook picture at registration should bring their FEE SLIP. Those who did not, may pay their \$1.50 at the University Studio.

CON THIEN is all these things on three muddy mounds of earth facing North Vietnam. The Marines moved in last April because it is a "commanding piece of terrain, the important piece in the area," as officers express it.

Almost immediately the position came under enemy guns. In the spring and early summer, the shellings were heavy. Then the intensity dropped.

MORE MARINES moved into positions flanking Con Thien. More gunpits were set up 2,000 yards to the south. The artillery at Dong Ha, Cam Lo and Gio Linh, the other corners of "Leathern Neck Square," and the big guns at Camp Carroll, farther west, supported Con Thien. B52 bombers and tactical air strikes pounded the enemy day after day.

A month ago the North Vietnamese again began to show they were still there with heavy guns in the treelines, ridges and mountains. The pounding of Con Thien was stepped up.

There is no pattern to the siege. Sometimes it is quiet for an hour, two hours, three hours. Then there is the shout: "Incoming."

MEN RACE for bunkers, holes and ditches.

There were plans to build an all-weather road that would link Con Thien with points to the south, and truck in supplies, troops and equipment. The road has not been completed. A big culvert was blown up by the enemy. Truckloads of rock-fill sink into the mire.

Almost everything coming into Con Thien must move by helicopters. When one begins to descend, troopers on the ground head for their holes, knowing a barrage can be expected.

WHEN THE decision was made to control Con Thien it was not believed the enemy could mount and maintain such an offensive. It was believed his guns could be spotted and wiped out.

This has not happened, but a commitment was made. To pull back would give the enemy a propaganda victory. It would go counter to Marine thinking.

Seguin Reverend To Discuss Scouts At Church Confab

Ministers and lay leaders attending Texas A&M University 22nd annual Town and Country Church Conference Oct. 12-13 will hear Scouting discussed.

The speaker is the Rev. C. J. Freudenberg, pastor of the Cross United Church of Christ in Seguin.

Kenneth Wolf, conference publicity chairman, said Rev. Freudenberg was chosen Texas Rural Minister of the Year in 1966. He served as one of 10 Protestant chaplains during the recent 12th World Jamboree of Boy Scouts at Farragut State Park in Idaho.

Wolf, Extension economic agribusness at Texas A&M, said more than 150 ministers and lay leaders are expected to attend the non-denomination meetings at the university.

The conference is sponsored by the Texas Agricultural Extension Service and the Texas Agricultural Experiment Station, and conducted by the A&M Department of Agricultural Economics and Sociology.

Recreation Plans To Include Man

Man is the most difficult natural resource angle to figure in any recreation program, and he should not be left out of the picture, the head of the Colorado State University Recreation and Watershed Resources Department said here.

Dr. Arthur Wilcox, speaking during the two-week Recreation Management Institute, said it is a mistake to ignore the human factor.

"Man is part of our natural resources, and he should not be put into a separate category," the department head said. "He is the most complicated factor to handle in a recreation program."

Such was some of the recreation management philosophy to come out of the second day of the institute. It is conducted by the A&M Recreation and Parks Department.

Purpose of the conference is to give recreation managers and technical specialists an accelerated up-dating of recreation knowledge, concepts and skills. Enrollment is limited to 30 persons.

Wilcox cautioned the group not to get too far away from the basic concept of recreation which is recreation. Park and recreation administrators "are in an ideal position to be concerned about the total problems of leisure."

The speaker put resources into three large classes in relation to recreation. They were scientific or natural history, historical sites, museums, etc.; and strategic, which are areas strategically located to care for masses of people.

The strategic class, he emphasized, is the most important in the long run.

Other speakers at the morning session were Lemuel Garrison, regional director of the National Park Service at Philadelphia, Penn.; and Robert Sharp of Denver, Colo., assistant regional director of the Bureau of Outdoor Recreation.

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