



AERODYNAMIC TEST

Bob Roush of Dallas, senior aerospace engineering major at Texas A&M, repeated this procedure around 500 times to acquire data for glider performance analysis. His test models considerably undercut the cost of models design for wind tunnel tests.

Airplane, Laughs Gain Aggie An 'A'

Taboos against paper airplanes in classrooms were lifted for one Texas A&M student.

In fact, senior aerospace engineering major Robert T. Roush of Dallas was assigned construction and flying of folded-paper models for a semester.

The 22-year-old senior wrote a research report on the project.

"I broached the idea as a project for a senior problems course and Professor (Charles A.) Rodenberger okayed it," Roush explained.

"There have been a few grins over it," he chuckled.

The 1963 Woodrow Wilson High graduate built several different models from notebook paper, IBM cards and paper clips. Flight times and distances were obtained to compute performance, influence of dihedral and center of gravity location on stability and performance effects.

"Results were satisfactory and quite revealing considering the crudeness of my models," Roush said. "And it is a convenient way to gain practical knowledge of aerodynamics."

The former Corps of Cadets and Freshman Drill Team member said several problems cropped up.

"We felt a constant force landing system would be necessary but I found hand launching was the only satisfactory way of flying the models," he said. Design was another thing.

"I wadded several up and started over," the aero major remarked. "Testing was something else. My models weigh about 1 1/2 grams each. A breeze a person can't feel has gust effects on that light an aerodynamic system. Also, wing and stabilizer surfaces absorbed a lot of impact damage."

Roush sealed all the doors, windows and air vents to the 16 by 30-foot living and dining room of his parent's home at 8132 Stony Creek, Dallas. Tape on the floor and walls provided scales against which an observer determined height at launch and glide path length.

Roush served as the launch platform. His sister, Vicki, a Wilson High senior, was recruited to get the all-important data.

"For a flight to be acceptable, it had to be straight and balanced. I expect it took 50 throws to get one good flight," he added. Any drafts or sudden moves that stirred up air current eddies temporarily halted operations."

Roush, who expects to graduate in May has other interests including outdoor sports, sports cars and photography. He worked on computer program revision at the LTV aerospace missile propulsion division last summer and is a member of the American Institute of Aeronautics and Astronautics.

Roush's paper plane research report received an "A"

Architecture Student Receives Prize For Designing Garage

John W. Wallace of Dallas, a fifth-year architecture student at Texas A&M, Tuesday received a \$250 check as winner of the eighth Reynolds Aluminum prize for architectural students.

Wallace, 24, designed a portable garage for a small car to win the school award. The presentation was made by Dury Mills, industrial sales representative for Reynolds' Houston division office.

The prize administered by the American Institute of Architects is offered for the "best original architectural design in which creative use of aluminum is an important contributing factor."

Reynolds Metals established the award to encourage creativity in architectural design and stimulate interest in design potential of aluminum. Attending the presentation were Prof. W. C. Steward, associate chairman of the School of Architecture, and W. W. Harper, local AIA president.

Wallace's design was entered, along with winners from other participating schools of architecture in the U. S., in the national Reynolds competition. The national winner and his school receive \$2,500 each.

A 1962 Kimball High graduate, Wallace is civilian chaplain, Civil Student Council and Tau Beta Pi member and Leggett Hall dormitory president.

More GI's En Route

Massive Airlift Lands 4,000 Troops

By ROBERT TUCKMAN
Associated Press Writer

SAIGON (AP) — A massive airlift has landed 4,000 of the 10,500 fresh American troops the Pentagon promised Gen. William C. Westmoreland "for insurance purposes" and 4,000 more are en route to Vietnam.

The American influx — ordered two weeks ago — shared attention Wednesday with sharp action in the central highlands and continued Communist pressures on the Saigon area and Khe Sanh, on the threatened northern frontier.

The U. S. Command announced the arrival of the 4,000 paratroopers of the 82nd Airborne Division's combat-tested 3rd Brigade at Chu Lai, a base on the South China Sea 345 miles northeast of Saigon.

OFFICIAL WORD is expected soon of the deployment here of 4,000 fresh Marines, members of the 27th Regimental Landing Team. Some of these Marines were seen off by President Johnson at the El Toro Air Station in California Feb. 17.

While American ranks swelled toward the 525,000-man level authorized before the Communists launched their lunar new year offensive Jan. 30, President Nguyen Van Thieu told his people government troops engaged lately in defense of the cities will return to hunting enemy forces in the countryside.

Thieu called on the South Vietnamese people in a television address to accept austerity during this "critical period of our national history." He announced his government has decided to make permanent a ban on night clubs and dance halls, which he closed with a martial law decree Jan. 31.

ABOUT 80 percent of the newly arrived paratroopers are veterans of previous action in Vietnam. Commanded by Col. Alexander R. "Bud" Bolling, they have been assigned at least temporarily to the American Division.

Elements of this division, responsible for a long stretch of the coast south of Da Nang, reported they killed 148 enemy soldiers in a fight Tuesday near Tam Ky at

a cost of two dead and 14 wounded.

Arrival of the paratroopers will free another brigade of the American Division for duty closer to the northern frontier, where the U. S. Command believes the enemy threat is greatest.

UP TO 40,000 North Vietnamese troops are reported menacing Khe Sanh, the fortress manned by 5,000 American Marines and a 500-man battalion of South Vietnamese rangers.

More than 50,000 U. S. Marines and Army men and 12,000 South Vietnamese troops are based in the two northernmost provinces, Quang Tri and Thua Thien. Various units are equipped with helicopters for quick deployment to trouble spots.

NORTH VIETNAMESE gunners bombarded Khe Sanh with more than 100 rounds of artillery, rocket and mortar fire in the 24 hours up to dawn.

Briefing officers, barred under a new order from announcing the effect of any single enemy action

against fixed American bases, said damage and casualties were light.

Effects of American counteraction, however, were detailed.

A U. S. spokesman said air strikes and artillery bombardment of Communist positions around Khe Sanh Tuesday killed 31 enemy troops, destroyed a heavy machine gun emplacement, wreck-

ed two trucks and touched off 36 secondary explosions. The secondary blasts were attributed to direct hits on enemy fuel stores and ammunition dumps.

U. S. B52 Stratofortresses, which contribute heavily to the hundreds of tons of bombs dropped on suspected siege positions daily, made two strikes Wednesday six miles west of Khe Sanh.

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<p>march 4 wild strawberries sweden</p> <p>Victor Sjostrom, one of the great film directors, plays the leading role in Ingmar Bergman's drama of a man who has journeyed toward honor throughout his life, but away from love. Dreams, fantasies, and reverie are brilliantly rendered to illuminate his odyssey.</p>	<p>april 29 Jules and Jim france</p> <p>The story of two friends, and their twenty year love for the same woman. Katha, amoral, and classically beautiful, loves the two and must have them both, even if she must die to do so. For her, no commitment is forever and only death is final. Directed by Francois Truffaut, with Jeanne Moreau and Oscar Werner.</p>
<p>le haricot france</p> <p>A hauntingly wistful masterpiece written and directed by Edmond Sechan ('The Golden Fish'). Golden Palm Award, Cannes Film Festival, 1964. No dialog. 17 minutes.</p>	<p>le poulet france</p> <p>In French, with English subtitles. Academy Award. Best live-action short subject; New York Film Festival, 1964.</p>
<p>march 25 citizen kane united states</p> <p>Orson Wells' first and most famous film, a devastating biography of a newspaper tycoon, deals with the theme of power and its abuse. As a psychological study of a man, it has rarely been equalled in any medium. Citizen Kane is one of the great critical successes and landmarks of the American cinema. Also, 'The Adventures of...', color animation, United States.</p>	<p>may 6 the knack great britain</p> <p>Unpredictable, joyful, ecstatically and wildly imaginative in its fun as Ray Brooks (who has the Knack) tries to teach it to his pal, Michael Crawford (who hasn't!). Using naive, suspicious Rita Tushingham, fresh from the country as the girl upon whom to demonstrate his knack 'em dead, whammo technique. Directed by Richard Lester. Best Picture, Cannes, 1965.</p>
<p>march 12 black orpheus france</p> <p>Recreating in modern terms the beautiful and tragic story of Orpheus and Eurydice. The marvelous rhythm of sight and sound, of speech and music, the poetry and subtlety of the color photography have made this one of the most beautiful motion pictures ever. Directed by Marcel Camus. Musical credits: Antonio Carlos Jobim. Academy Award, 1959; Grand Prix, Cannes, 1959.</p>	<p>spring festival of film '68</p> <p>Opening night Monday, March 4. Season tickets available at MSC Student Programs Office: A&M students, wives, \$3.00; faculty, public, \$5.00.</p> <p>Films shown 8 p.m., MSC Ballroom.</p>
<p>overture/nyitany hungary</p> <p>A film by Janos Vadosz, a 60 year-old Hungarian biologist. Utilizing color x-ray cameras and other highly sophisticated cinematographic tools, Dr. Vadosz has recorded with absolute fidelity the birth of life: the development of a chicken embryo and the hatching of a baby chick. Music by Ludwig von Beethoven. Grand Prix, Cannes, '65. 9 minutes.</p>	<p>moonbird united states</p> <p>One of the most widely praised animated films ever made, it tells of two small boys going out at night to catch the moonbird. The magical world of childhood is caught in the soundtrack and in the matchless color and drawing. Academy Award, Best-Cartoon, 1959.</p>
<p>april 8 the seven samuri japan</p> <p>Considered by many to be the Japanese film masterpiece, The Seven Samurai (translated The Magnificent Seven) is a raging, sensual epic, a poem of violence. Into a basically simple plot, the defense of a 16th Century Japanese village by seven professional soldiers, the film's director has brilliantly introduced a profusion of incidents and sub-plots, aimed at giving each of his characters an intensely distinctive personality. The final work is one of overpowering immediacy. Directed by Akira Kurosawa, Japanese dialog with English subtitles.</p>	<p>may 14 student films</p> <p>Award winners of the 2nd National Student Film Festival as presented at Lincoln Center, 1966.</p>
<p>march 18 potemkin u. s. s. r.</p> <p>Universally considered to be one of the most important films in the history of the silent cinema, Potemkin is based on an incident which occurred on the Battleship Potemkin during the 1905 uprising. The sailors themselves and the people of Odessa were used as actors. Directed by Sergei M. Eisenstein, 1925. English titles, no dialog.</p>	<p>may 20 mickey one united states</p> <p>The story of a comedian who believes he is owned by the mob and runs in fear until he learns that he can face the mob only when he faces himself. Directed by Arthur Penn; with Warren Beatty and Fanchot TONE. Improvisations by Stan Getz. New York Film Festival, 1965.</p>
<p>the cabinet of dr. calgari germany</p> <p>One of the most famous motion pictures of all time, Calgari introduced an entirely new concept of filmmaking: the first attempt at expression of a creative mind through the motion picture medium. Strange, distorted sets are imaginatively employed as a background to this story of a somnambulist, his owner, and their terrorization of a small German town. Silent, with English insert titles. 1919.</p>	

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