

Practice... Construction Set For Wind Tunnels

Continued from Page 1)

I couldn't see the front of it from where I was."

ANOTHER INCIDENT that prompted the move occurred just as the band entered the street at the head of the Duncan quadrangle. A car drove straight toward the procession and stopped within several feet of Head Yell Leader Tommy Stone. Tijerina said the driver was apparently intoxicated, adding that when he backed up to drive on he narrowly missed another group of people.

"But apart from that incident, the march was going perfectly until we got up the street to the Exchange Store and civilian dormitory area, he said. "Then the mob crowded in."

Davidson said he could not foresee a change in the new policy. He said several Corps unit commanders had assured him that their outfits had been told not to go ahead of the Band.

"I guess we could have an armed guard of about 300 men around us," Tijerina noted, "but we shouldn't have to be guarded like that. If there's any pushing to be done, we can do it ourselves."

Davidson said an additional grievance was the students' habit of throwing toilet paper rolls from the Kyle Field stands during the actual yell practice.

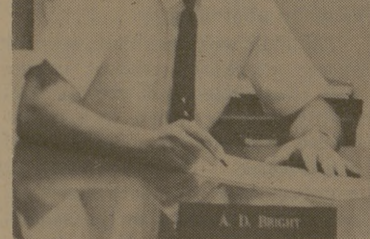
"WE HATE being targets for this stuff," Tijerina said. "The yell leaders tell us not to throw it back, so we're sitting ducks."

Tijerina said the band members would still march to yell practice in a group, like other units.

"But when it gets to the point that it reached Friday night, we've just got to say 'sorry!'" he added. "We're not going to lead the group under those circumstances."

Supersonic and hypersonic wind tunnels are on the drawing boards here for undergraduate educational programs in the Department of Aerospace Engineering.

A matching two-year grant of \$16,000 by the National Science Foundation has been made for construction of the educational



ART BRIGHT

Bright Assumes Role As A&M Consol Principal

Art Bright, former coach and assistant principal, has assumed the position of principal at A&M Consolidated High School. He was appointed to the position last June.

Bright was graduated from Indiana Central College where he majored in physical education and minored in mathematics. He received his masters degree in education from Texas A&M in 1960.

After two years in the Army and one year teaching experience in Missouri, Bright accepted a teaching position at Consolidated in 1956.

He has taught algebra, advanced mathematics and physical science. Having coached football, basketball, and track in his ten years at Consolidated, Bright was also active last year as assistant principal.

facilities, announced department head A. E. Cronk.

Construction of the supersonic tunnel will begin within two weeks, he said, with most components for the lower speed instrument on hand.

Completion of the two tunnels will increase A&M's facilities for studying movement of air or shock waves over an aerodynamic body to six. Two subsonic tunnels are located in the department, a 7 by 10 foot tunnel is situated at Easterwood Field and a 12-inch arc driven shock tube is in the Gas Dynamics Lab at the Research Annex.

Undergraduate aerospace engineers supervised by Dr. Richard Thomas are designing the supersonic tunnel, with drawings 60 per cent complete.

"Our undergraduates will get their hands dirty on this equipment," Thomas said. "They will set up experiments, do the work, make tests, measure and read data. They will see shock waves and other odd things that happen in supersonic flows."

"The tunnels will make a tremendous impact on our ability to educate good aerospace engineers," Cronk added.

The supersonic tunnel will operate from subsonic to Mach 3, simulating flight speeds to 2,100 mph. The six-by-six inch tunnel will operate intermittently, requiring pressure tank pump-up after each test of 20 to 30 seconds duration. Measurements of pressures and flows will be made during this period.

Design of the hypersonic tunnel, of Mach 6 to 11 capability or simulated flight to 7,000 mph, has not begun. It will be a four to six-inch diameter tube, depending on air storage facilities.

"We know what we want and it's just a matter of transforming ideas to paper," Thomas emphasized.

The higher speed tunnel will require an air heater. Ambient air forced through nozzles at Mach 5 liquefies. The heater, a 2,000 degree temperature toaster, warms air before it enters the nozzle and tunnel to prevent liquefaction. In addition to heating apparatus, the hypersonic tunnel will require cooling systems to prevent nozzle and test model from melting.

The department's 2,000 cubic foot pressure tank and 125 pounds per square inch compressor will support the supersonic tunnel. Higher pressure pumping and storage facilities are sought for the hypersonic fixture.

Both tunnels, versatile and flexible enough for graduate research purposes, will be housed in a 30 by 50 foot room below the 7 by 10 foot Easterwood Field tunnel. The off-campus location will reduce costs for silencing equipment, provide safety for high pressure tanks and make use of existing power supply and control systems.

Both tunnels probably will be in operation by early summer, 1968, Thomas noted. It is hoped the supersonic instrument will be in use by the spring semester, 1967.

Campus Briefs

Ashcraft Elected ETHA President

Dr. Allan Ashcraft is the new president of the East Texas Historical Association.

The associate professor of history was chosen to head the 325-member organization at a meeting Sunday in Nacogdoches.

Ashcraft, association charter member, said papers are presented twice yearly. The next meeting is set for March in Beaumont.

The ETHA also publishes a scholarly journal.

Nicks To Receive Lynch Scholarship

William L. Nicks Jr., a senior from Houston, is winner of the first \$500 W. W. Lynch Scholarship established by the Magnolia Pipeline Company of Dallas.

Nicks has been a distinguished student six semesters. He plans advance degree studies after graduation next spring.

The scholarship is for the senior with the highest grade average in electrical engineering power systems.

Lynch, president of Texas Power and Light Company, was cited by Magnolia for outstanding service to Dallas and the Magnolia Company.

A 1922 graduate of A&M, he was honored in 1962 as a distinguished alumnus of the university.

Unitarians To Host Discussion Group

A liberal discussion group for college age students and dates is scheduled at 8 p.m. Saturday at the 1405 Caudill home of nuclear engineering professor Don Emon.

Emon said the group, which will discuss liberal philosophy, is sponsored by the Unitarian Church of College Station.

Accounting Society Elects Officers

The Accounting Society recently elected officers for the coming year.

They are Mike Bassham, president; Ben Jones, vice president; Wilfred Wohlfahrt, secretary-treasurer; Rick Berg, program chairman; Ernest Hudgens, senior liberal arts council representative; and Carolyn Allen, junior

liberal arts council representative.

The Society also discussed plans for the year, including the \$500 Haskins and Sells Award to be given at the next regular meeting.

Sponsors for the society are Dr. Alan Porter and Charles Shook.

Savage To Head Psychology Club

The Student Psychological Club elected officers last week.

They are Jim (Doc) Savage, president; Don Young, vice-president; Tom Harding, treasurer; Bill Eckenroth, corresponding secretary; Margaret McMurray, recording secretary; Bill Maule, senior representative to the Liberal Arts Council; and Gene Banks, junior representative.

The club will meet again at 7:30 p.m. October 18. Club sponsor Dr. James Elliot will be the speaker.

AAUP Plans Meeting Here

The first fall meeting of the American Association of University Professors and Texas Association of College Teachers will be held here Wednesday.

Dr. John Treacy, associate professor of economics, said all new members of the faculty are invited to the 7:30 p.m. meeting in room 3-D of the Memorial Student Center.

Business includes election of AAUP officers, discussion of tenure conditions at A&M, and plans for state conferences.

Meteorology Prof Publishes Book

A book on meteorological instrumentation has been published by a meteorology professor and his wife.

"Bibliography of Meso and Micro Environmental Instrumentation" was written by John F. and M. Joan Griffiths and published by the Environmental Science Services Administration of Washington, D. C.

The 350-page book, due off presses in September, will be distributed by the world meteorological organization to member countries, from Afghanistan to Yugoslavia and behind the iron curtain.

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Starring Ingrid Bergman, Anthony Quinn

Coming films in the series:

November 2: "1984"

January 4: "Forbidden Games"

SHOWN AT THE HILLEL FOUNDATION

(South Gate - 800 Jersey St.)

7:15 P. M. — No Admission Charged

SCHOOL OF CHRISTIAN STUDIES

TUESDAY EVENING CLASS

October 4 - November 22

"AN INTRODUCTION TO THE NEW TESTAMENT"

Instructor: Walter Allen, First Christian Church

THURSDAY EVENING CLASSES

October 6 - December 6

"A STUDY OF THE BOOK OF REVELATION"

Instructor: Carlton Ruch, Our Savior's Lutheran Church

"PRAYER IN THE NEW TESTAMENT"

Instructor: William Oxley, St. Thomas Episcopal Chapel

METHODIST STUDENT CENTER

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