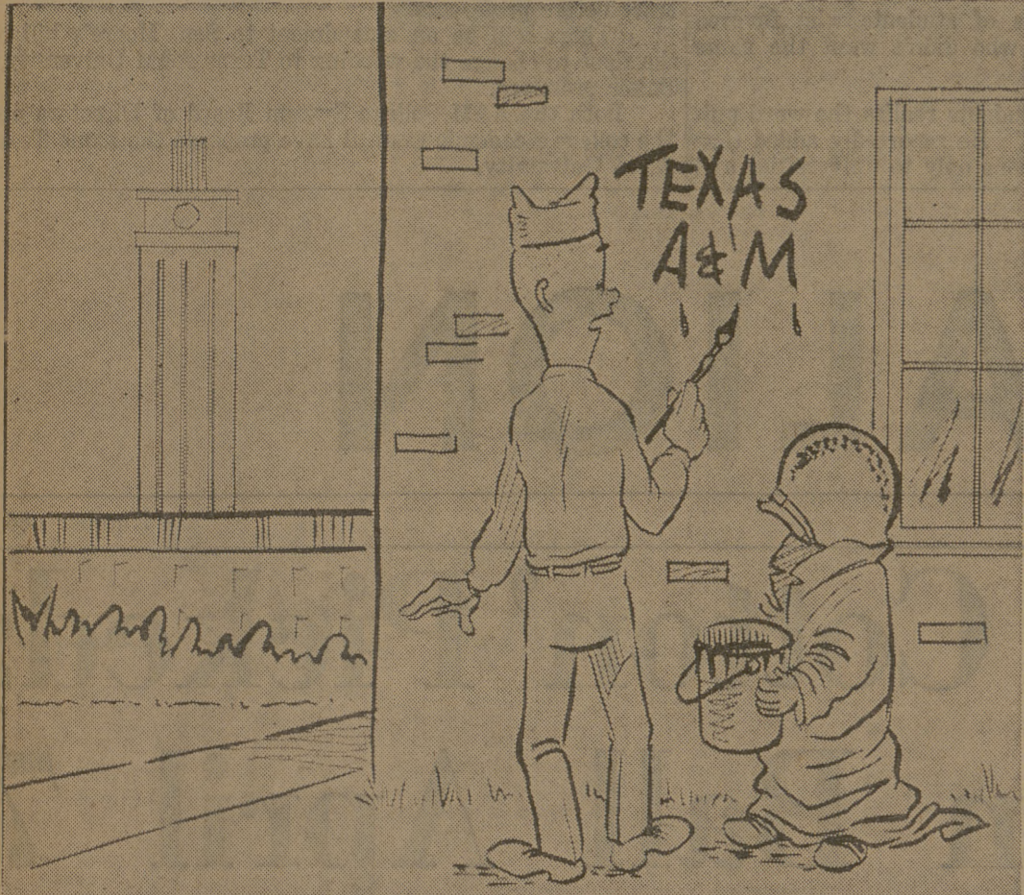


CADET SLOUCH

by Jim Earle

Houston Just 30 Minutes From Moscow



... it's embarrassing not to know whether to say 'college' or 'university' or even 'A&M.'

(Editor's Note: the following article was written by Lt. Col. Kenneth W. Gruber, Education and Plans Officer for Detachment 805 at Texas A&M. It is believed that the article contains timely and informative observations concerning the efforts of the Department of Defense to counter progress of possible enemy nations.)

By Lt. Col. Kenneth Gruber Release of previously frozen funds of \$155,000,000 plus \$75,000,000, from the 1961 budget has provided the United States Air Force with enough money to proceed with production on the B-70 aircraft, which may be our last manned bomber.

The B-70 is a mach 3 manned bomber designed to fly 15 miles above the surface of the earth at about 2,000 mph. (Mach 1 is the speed of sound). Now, just what does this 2,000 mph speed mean in terms of time and distance?

He assumed that a B-70 bomber and crew were on a temporary duty mission in England. So he prepared a flight plan for their return trip to their home base in California—specifically, March Air Force Base near Los Angeles.

I especially wish to thank Ray Whitmire and Berry Cash for their interest and thoughtfulness and also the Athletic Officers and their assistants for their fine fellowship which made that particular evening the most impressive evening of my life.

Alaska and a capsule was ejected from Discoverer XVII. The capsule was recovered in mid-air near Hawaii. (On 11 December 1960 the capsule from the Discoverer XVIII was caught in mid-air.)

The inventory of our weapon systems will include manned bombers for several more years. There will be years when we have a "blend" of bombers and missiles. Compared to the Titan ICBM (see below), the B-70 may seem exceedingly low and slow.

1. The recent closed course 1,216 mph speed record established by the F-105 Thunderchief. 2. The straight course 1,525 mph speed record recently established by the F-106 Delta Dart.

3. The speed record exceeding 2,100 mph by the late Capt. Milburn Apt in the X-2. 4. On 15 November 1960, Scott Crossfield with the X-15 held to half throttle, flew to nearly 80,000 feet and close to 2,000 mph.

5. The altitude record of 103,395 feet established by the F-104 Starfighter. (Man's blood will boil at altitudes above 63,000 feet unless he is in a pressurized cabin or specially designed pressure suit.)

6. The altitude record of 126,200 feet established by the late Capt. Iven Kincheloe in the X-2. 7. The altitude record of 136,500 feet recently set by Maj. Robert M. White in the X-15. (Ninety-nine percent of the earth's atmosphere is below 100,000 feet.)

8. On 19 September 1960, the Atlas Intercontinental Ballistic Missile (ICBM) traveled 9,000 miles from Cape Canaveral and hit within two miles of a designated target point.

9. This past September the satellites Discoverer XIV and Discoverer XIII ejected their capsules after orbiting the earth. So accurate was the timing of the ejections that both capsules were recovered—one in mid-air.

10. The Air Force has placed a Midas test satellite in orbit with a payload of 3,600 pounds. The almost circular orbit varies less than 30 miles in altitude from 322 miles at apogee to 292.5 miles at perigee.

11. On 14 November 1960, Discoverer XVII had been in orbit nearly two days. On the 31st orbital pass, signals were sent from

to be over 52,000 miles in length, or more than two times the distance around the earth at the equator, to provide the three and one-half hour buffer zone. (Distance around the earth at the equator is 24,902 miles.)

Throughout recorded history, man's rate of progress has varied with the speed at which he could travel or communicate. In terms of time, the size of the earth is relative to speed at which man-made vehicles or communication signals travel. In terms of time, the speed of the missile has shrunk Kansas from a 1 by 2 hour (WW II) state to a less

than a 1 by 2 minute state today. (Two hundred mph as compared to 15,000 mph or 1-75.) In terms of WW II speed, "missile speed" shrinks the earth from a sphere with a polar diameter of 7,900 miles to one with a diameter of about 105 miles. How can one visualize the "missile speed" size of today's earth? Here is one way. Think of today's earth as a sphere located within a space represented by the distance from Houston to Hearne—inhabited by Texans one inch tall.

Moscow is less than 6,000 miles from Houston. Houston—30 minutes from Moscow.

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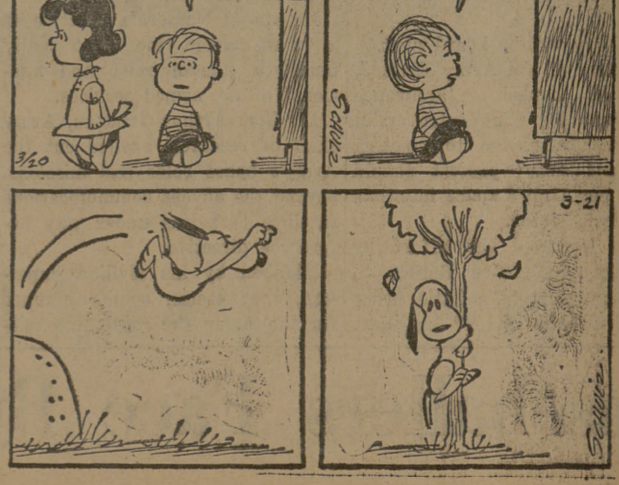
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Author of "I Was a Teen-age Dwarf", "The Many Loves of Dobie Gillis", etc.

Sound Off

'Evil to him...' protected the student body from another lewd and obscene display of indecency. Certainly we can be proud of the progress we are making here, and we can look forward to new achievements in the field of censorship with eager anticipation. (Perhaps even a book-burning with torchlight parades?)

A Note Of Thanks Editor, The Battalion: I wish to take this opportunity of thanking each of you for the beautiful watch presented to me at the banquet on March 16, 1961. I hope that I may have the opportunity of thanking each of you personally before the semester is out, but if not, then I will simply say "Thank You" through this letter.

REVIVAL

March 19 Thru 23

7:30 p. m. Each Evening

Music Under Direction of ROBERT L. BOONE

DR. CHAS. L. ALLEN

1st. Methodist Church, Houston

Great Preacher—Noted Author and Distinguished Newspaper Columnist

A&M Methodist Church

College Station, Texas

THE BATTALION

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BILL HICKLIN, Editor; Joe Callicotte, Sports Editor; Bob Sloan, Alan Payne, Tommy Holbein, News Editors; Jim Gibson, Bob Roberts, Editorial Writers; Larry Smith, Assistant Sports Editor; Bob Mitchell, Ronnie Bookman, Robert Denney, Staff Writers; Gerry Brown, Photographers; Johnny Herrin, Sports Writers; Russell Brown, Sports Writers.

Social Calendar

The following organizations will meet on campus: Tonight The Associated General Contractors will meet in the Memorial Student Center at 7:30 p.m.

The P.E. Wives Club will meet in the P.E. Library in G. Rollie White Coliseum at 8 p.m. Tuesday.

Job Interviews

The following firms will hold job interviews for seniors in the Placement Office. Mar. 22-23

Convair Astronautics, for those majoring in aeronautical, electrical or mechanical engineering and physics, chemistry or mathematics.

The U.S. Soil Conservation Service, for those majoring in range management.



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Mennen Spray Deodorant does just that. It gets through to the skin. And it works. All day. More men use Mennen Spray than any other deodorant. Have you tried it yet? 64¢ and \$1.00 plus tax

*Complete lack of body hair, including that of the scalp, legs, armpits, face, etc.

PEANUTS



By Charles M. Schulz