

THE ENGINEERING TECHNICIAN



Miller Receives Jaycee Teen-Age Road-E-O Scholarship

James L. (Skipper) Miller, Southern Tech Freshman, has won second place in the Jaycee sponsored state-wide Teenage ROAD-E-O in both 1965 and 1966. His prizes were \$200 scholarship in 1965 and \$250 scholarship in 1966. The scholarships were for any college Miller chose.

The scholarship money was a gift to the Jaycees from the Georgia Consumer Finance Association, a non-profit trade organization representing 650 finance company offices in Georgia. Miller was in high school at the time he won the scholarships. The funds were held in escrow until he was qualified to enter college.

The scholarships were presented to Miller here at Southern Tech by Jack E. Gil-

breath, State-wide ROAD-E-O Chairman. Gilbreath is a member of the Smyrna Jaycees. The presentation was attended by William J. Glenn, Southern Tech Counselor, and Walter Allen, Second Vice-President of Georgia Consumer Finance Association.

Welcome
Home
Hornets!

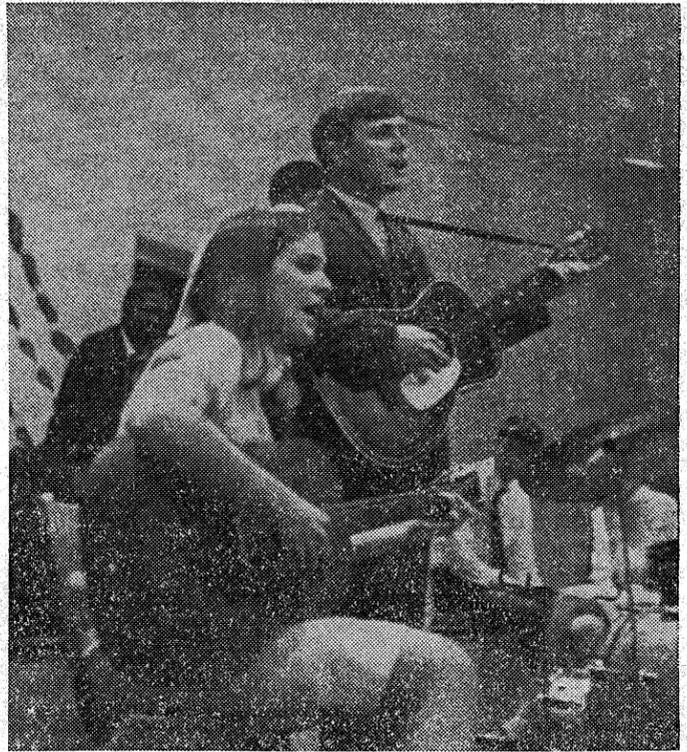
Home Game
8 P. M. - Tues.

Student Fund Dance Near Wash-Out

The first Student Activity Fund dance to be held in the new Gym-Auditorium building was nearly washed out by heavy rains that caused many of the STI students attending to rename the building "Basin Street East."

The heavy downpour delayed The Soul Brothers and their "Denettes" for nearly an hour, and the special entertainment for intermission until an after-dance performance.

Sigma Chi Tau decorated the hall, carried the tables and chairs and vended the refreshments, which were chiefly containers of a popular tonic held together with



MARY WILSON, TOM GALLANT

frozen water.

Approximately 200 students and their dates attended, with a hard core of 112 remaining for the after midnight performance of folksingers Mary Wilson and Tom Gallant. Despite the absence of any

sound equipment, the duo were applauded with vigor, and held for several encores.

School officials who were present noted the lack of adequate hardware for entertainers and intimated that the situation would be improved.

Western-Electric Company At Winston-Salem Hosts Industry Technical Institute Ed. Seminar



to R: Kenneth Olesen, (N. C. Tech. Schools); Dick Tillman, (W. E.); John Lucas, (W. E.); Stewart Reed, (Forsyth); Dwayne Kirschenman, (W. E.); Herbert Eller, (Southern Tech).

by Herbert Eller,
Assistant Professor,
Southern Technical Institute

On January 18, 1967 a significant event took place which could be of vital interest to those concerned with technical education.

The Western-Electric Company of Winston-Salem, North Carolina played host to fourteen representatives from various Technical Institutes throughout the Southeast.

The occasion was an Industry-Education Seminar which was sponsored by the Western-Electric Company at Winston-Salem to bring key people in Technical Institutes together with high level executives, engineers and associate engineers in the Western-Electric Company.

Representatives from Western-

Electric Company expressed the idea that since Technical Institute graduates are being recruited as candidates for the position of associate engineer that it would be worthwhile to develop further understanding between Technical Institute educators and industrial leaders.

It was felt that a seminar, where representatives from the respective institutes met and discussed their ideas and problems with representatives from industry, would be beneficial in promoting mutual understanding of each other's role in the training and employment of technical institute graduates.

During the ensuing meetings a great many questions were formed and presented for discussion. Problem areas listed by the educators for discussion included the

following:

1) What does the Bell System require in technicians and how are these requirements met regarding entrance requirements, accreditation, and academic standards?

2) How can industry-education communications be improved?

3) How can education gear to rapid technological change?

4) What is the responsibility of industry in developing public awareness and increasing the status of the technical institute in the community?

5) Is a technical institute graduate willing to become a career technician?

6) What is the educational objective of the Technical Institute?

7) Is industry employee testing valid?

(Continued pg. 3)

Booze, Books, Bennies

The consumption of alcohol by college students across the nation has risen to a point where much talk and many problems concerning it have arisen. As this report will show, Southern Tech is no different from the rest of the schools.

The total number of students to fill out questionnaires was ninety-eight. Of these, seventy-two said that they did drink; this means that almost seventy-five per cent of the students do drink. Out of the total ninety-eight only eighteen were over twenty-one. This leaves some question as to how those under age got their liquor. When asked how they got it forty-one said that they bought their own, another thirty-six said they got it through friends.

Six of the seventy-two said that they drank every day, another twenty-seven said that they drank two or three times a week, twenty-three said they only drank on weekends, and sixteen said that they seldom ever drank. This shows that a considerable amount of alcohol is consumed by the students of Southern Tech.

When asked what type of liquor they drank the results

are as follows: forty-three said they drank beer, forty-six said they drank bourbon, ten said they drank vodka, thirty-three said they drank gin, nine said they drank wine, five said they drank rum, two said they drank scotch, four said they drank brandy, and five said they drank blended whiskey.

Since such a large number said they drank beer the most probable reason for it is that Cobb County only allows the sale of beer. Therefore since it is necessary for a person to go into another county to get the other alcoholic beverages they had rather buy that which is the closest. But from another view twenty-six said they usually kept some liquor on hand at all times. Those who drink beer would not need to keep some at home and those who lived in the dormitories could not keep beer in their room, so therefore it can be seen that probably more liquor is drunk than beer.

When asked if they drive after or when drinking fifty-one said that they did. Forty-one said that they drank to relax and get their minds off school.

Twenty-eight said they

(Continued pg. 2)

Unorganized Organizations Organized



ROGER HICKS

By Roger Hicks

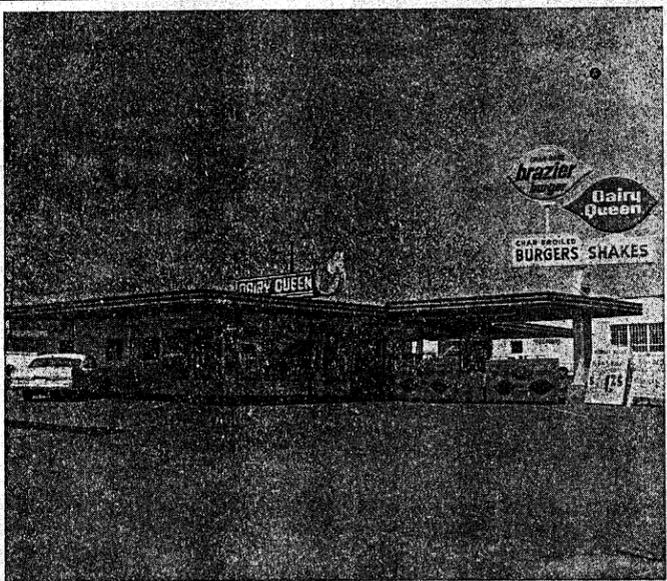
There are about 26 approved and recognized clubs and organizations on the Southern Tech campus. Theoretically speaking, these are all organized groups; but some are more organized than others. Some take their role of leading certain campus activities seriously, while others do not; some have a feeling of responsibility toward their student members and the campus as a whole, while others do not; some display an attitude of service and concern for the good of the school, while others do not. Simply to gather is no excuse. The difference between a large riot and a political convention is based only on motives and the degree of organization involved.

I think of one club on this campus with great respect: Alpha Beta Sigma. Each year they organize and sponsor the Valentine's Dance. It is the leading social event of the year for STI and it is an example of a worthwhile service rendered by a campus group. The amount of organization and co-ordination required to successfully complete such a job is tremendous. If you could have seen the members of this club in action the day of the dance (as I did), bringing together all of their plans you would have witnessed a truly organized group in action. This is not to say that there are not other campus groups worthy of our respect who are making a worthwhile contribution; it is just an example.

Other groups fall in the "contribution" department or in some way perform a disservice. An example of this is a club (I will not mention the name) that was one of the most active and respected on campus last year. Their president, a fine club leader, graduated and this year they have not been heard from. I, personally, do not even know if the club still exists. Their failure to co-operate in having pictures made for the annual was a disservice to the school. They may have provided services I do not know of, but the only contribution that the entire student body will know about will be an incomplete yearbook.

These are simply examples of the two possible extremes. Many groups fall somewhere in-between. I do not mean to suggest that to provide a service, something equivalent to the Valentine's Dance must be accomplished. Anything that serves the school or fulfills the goals and purposes of the organization will suffice. It is not for lack of opportunity that some fall down. We recently suggested the need for a student check-cashing service. To my knowledge, not a single member of a single club so much as investigated the possibilities.

In all fairness I must admit that lack of student interest leaves some groups short of the manpower they need to accomplish some of their goals. The *TECHNICIAN* and the *TECHNICIAN'S LOG* are two good examples. The average issue of the *TECHNICIAN* has fewer than six contributors and is usually put together by fewer than three people. The yearbook (*The TECHNICIAN'S LOG*) was put out by three people last year and only four have made a worthwhile contribution this year. The paper and yearbook staff are as dedicated and organized as Alpha Beta Sigma or any other group; we simply lack the necessary manpower. All things considered, I think we do a pretty good job. So lack of manpower is not a very good excuse.



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What's That You Say? We Can't Hear You!

By A. D. Monishment



We, the small secret group that make up the furry, symbolic form of little a. d. monishment, do hereby take great pleasure in this here article (hell-o, Mr. Blair). As you know, a. d. monishment is the founder and president of the Southern Tech cutting and axe swinging society. In this installment, he scores two swings of his trusty axe leaving two deep cuts in his subject.

Our subject is our new gymnasium. It is a fine addition to our campus, a much needed improvement and everyone is justifiably proud of it. It is designed so that it serves a variety of needs. First and foremost, it is a gymnasium where basketball teams can practice and play games with plenty of room for spectators. Secondly, it is an auditorium of sorts: addresses by the recent candidates for governor were given in the gym. And third, it is an excellent place for a dance. Alpha Beta Sigma's Valentine's Dance and Sigma Chi Tau's private dance proved this. The building is well designed and can be easily used for any of the above. But we must swing our axe at the public address system. Unlike the other gym equipment, it is not designed to operate under any and all circumstances. It works fine when used intermittently to make announcements. At the Valentine's Dance, when it was turned up so it could be heard

and then used continuously, it drew excessive current and blew a fuse. For a while it looked like Percy Sledge would be unable to perform.

A larger amplifier is needed and more speakers are needed. Microphone plugs are needed all around so that a microphone can be used from any point without running a long wire across the floor to the amplifier.

At the Valentine's Dance, when the amplifier failed and it looked as if Percy Sledge would not be able to perform, many people became understandably frantic. Two electrical students attempted to repair the amplifier. When this failed, an improvised public address system was connected through one of the band's guitar amplifiers. It did not work well but it worked well enough for Percy Sledge to perform, thus getting Alpha Beta Sigma off the proverbial hook.

The Monday after the dance, cries of indignation and alarm were heard from several faculty and administrative people. The amplifier had been torn up; parts were missing. People got angry; accusations went helter-skelter; and the two students who saved the day by rigging a public address system Friday night, became fearful that they were about to get into serious trouble.

We hate to say it, but these faculty people goofed. They jumped to conclusions with-

out knowing the facts. Those who should have known what they were talking about saw what they wanted or expected to see instead of what was there. The two students involved were accused, tried, and convicted in the minds of some faculty members without being given a single opportunity to tell their side of it. Accused of murder, they would have been given the opportunity to defend themselves; but accused of damaging the school's public address system, they would have no such opportunity. This is justice? Fiddlesticks!

The amplifier was disconnected and the cover was removed. It was not damaged in the least. The only thing wrong with it was the malfunction that caused the breakdown in the first place. There were no missing parts; the amplifier is a transistor type. The so called missing tubes were sockets for accessories that were never there in the first place. The only damage, a microphone wire that was cut, was done by a member of the band—not a student.

In the end, an awful lot of people found their feet in their mouths. Even now, one of the students involved has not been given the chance to defend his actions, actions which were a service at the time and saved more money than was spent on the amplifier in the first place.

A Point of Clarification

A point of clarification is needed in connection with an editorial by Roger Hicks concerning STI's conversion to a four year program, which appeared in the last issue of the *TECHNICIAN*. The impression was given that Mr. Yardy Williams, Head of the Electrical Department, was the source of information for the article. This impression was incorrect. Mr. Williams was recognized because his help was considered most beneficial to the author in establishing the proper background, attitudes, and terminology necessary to such an article. He also supplied the author with a copy of a speech on the subject by Dean Foecke, which was quoted in the article. Actual information and specific details were obtained from other sources far too numerous to mention.

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Books, Booze, Bennies (Cont.)

From page 1

drank because it made them feel better. Three said they drank only because those who were around them do.

Most of the parties which students at Southern Tech attend are closed to alcoholic beverages but almost anyone who wants to drink can get away with it. Although the students do drink at these functions they don't get out of hand and fight. They conduct themselves in an orderly manner and hardly ever get drunk.

When asked if they ever tried dope only three said that they had, and only one said that he still did. A few of the students said that they would like to try LSO. Most of the students realize that the use of dope is a habit which will affect them so that they cannot perform normal activities. They also realize that dope would cause them to get behind in their school work to a point where they would probably fail.

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Southern Tech Forum

McClure (Greg) Says:

The quarter has drawn to close and there are some people at STI who are beginning to wonder "Is it worth it?" There are a variety of circumstances that might cause one to interrogate himself in such a manner. One of the most common and pressing of these situations shared by students at STI is the threat of being given the privilege of donning a uniform and serving good ol' Uncle Sam in Hullabaloo, Viet Nam, Red Oak or wherever a military or political crisis may exist. This opportunity is extended to all qualified males

above the age of eighteen through the gracious services of the Selective Service System (hereafter referred to as the SSS).

It has sometimes been said that college students really live it up. Well this may be true in some cases, but at STI, most of those who live it up never really live it down. The pressure of the SSS upon the college student is increasing at an unbelievable rate. SSS now requires a student to be taking at least 15 quarter hours of work.

Some of the older students here know what this means. In short, it means that a stu-

dent must take a minimum load of basic heavy technical subjects and then scratch around for a two or three hour course to keep himself out of the army. For the benefit of those who may not know yet — it might be of some value to realize that Southern Technical Institute IS a technical institute. The basic concepts and programs of engineering offered here are very intensive. In the particular departments there are given one or two basic course subjects each quarter. Along with these subjects are scheduled other courses in English, math, and human relations.

What the SSS is failing to realize is that by the time a student here schedules two basics, he already has enough to keep him on his toes from now 'til eternity. One student in particular remarked to me "This quarter I was scheduled to take E.E.T. 100, a six hour course; math 114—a five hour course; physics 134—a two hour course; computer programming—a one hour course. That was a good basic outline of study; but I only had fourteen hours. I had to search around for another course that would bring me up to SSS standards. The only one available was a five hour I.E.T. course and now with nineteen hours I'm so far behind I doubt if I can make a decent grade in all five subjects. Sometimes it seems as though the best policy would be to stay below the fifteen hour requirement and get drafted at the end of the quarter. At least the point average would be much higher."

As if the minimum hour requirement were not enough —there is another topic which has caused a bit of concern concerning the SSS classification. Many of the students here held a 2-S classification which was effective until September 1966. When this term expired, a questionnaire from the SSS had to be completed and returned. WELL, several weeks later the classification cards were mailed out. Most of the college students received

a 2-S; but this was effective until June 1967. That's right, June 1967. And then what happens; to the student who works during the summer to provide his education? He receives a questionnaire inquiring as to whether or not he is in school. You've probably guessed the rest. He receives his 1-A classification and before the summer is over he has received a thoughtful letter in the mail advising him that he needs to get his hair cut.

I would not be one to try to dodge military service. I would be the first to defend the rights that America stands for. The question I present is this: "What will happen when all the intellectuals, engineers, scientists and workers are gone? "I am not only asking that the college student be given a chance—I am asking that America be given a chance: a chance to survive what may become a very bleak future.

If Southern Technical Institute were a school which majored in degrees for basket weaving, recitals, and Smokey the Bear forest conservation, these pleas I make would seem unjust on behalf of the school. However, I know how difficult the courses at a technical school can be.

The technical and engineering schools are training young people to accept the responsibilities of America's future. If these institutes are robbed of their students, who will be around to take the load? Who will do the research? Who will lead America?

Western Electric Company Hosts Industry Technical Institute Educational Seminar

From page 1

8) How to motivate technical employees to continue their education?

9) What are Technical Institutes doing to prepare graduates for working with others?

10) How to develop economic understanding of management decisions.

Another primary problem faced among technical people is the inability to communicate effectively. It was concluded that a well trained technician should be able to read current technical material, absorb the material, be able to apply it, and communicate it to others in writing. This frequently involves an understanding of the calculus.

PLANT VISITS

Another aspect of the seminar

was to have technical institute representatives go into the various plants of Western-Electric in Winston-Salem and spend the afternoon with an engineer and an associate engineer.

The primary goal of the plant visit was to let the technical institute teachers observe the technical level at which the technical institute graduates or associate engineers were employed at Western-Electric. This was one of the most informative and enlightening aspects of the three day seminar.

The instructors and administrators were given the opportunity to observe various technical projects and see how the associate engineer was involved with the development of these projects.

The seminar was particularly significant in the fact that it demonstrated that the Western-Electric Company recognizes the importance of the technical institute. An awareness was developed of the scope of the things that technical institutes are doing and hope to do.

The co-chairmen of the seminar, Mr. W. B. Smith and Mr. J. F. Lucas, of Western-Electric, indicated that this was only a start. They indicated that Western-Electric stands ready to help with any problem which technical institutes' representatives feel that they can make a contribution. This type of recognition and interest is needed throughout the industrial and technical education community.

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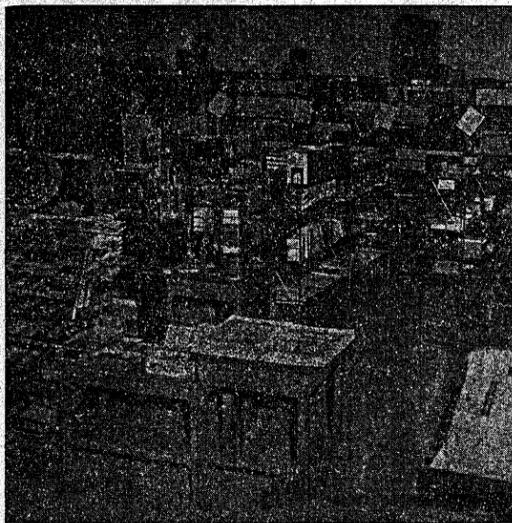
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STI Golf

Coach George Lawson has been quoted as being happy with the turnout of golf this season, and has announced that Dan Wells, Marvin Rogers, Randy Cornelious and Ed Mullinax have made the team.

The next tournament is at Milledgeville on March 31, with the rest of the schedule to be announced later.

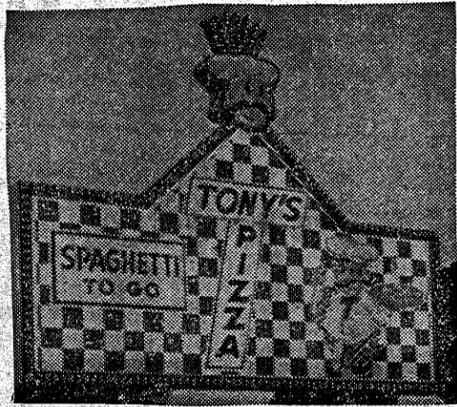
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DATE	OPPONENT
March 28 * n	John Marshall University
March 30 * n	Middle Tenn. State Univ.
March 31	Middle Georgia College
April 1	Middle Georgia College (2)
April 4	Dekalb College
April 7 * n	Georgia Military College
April 8 *	Georgia Military College (2)
April 9	John Marshall University
April 11 * n	Dekalb College
April 12 * n	Georgia Tech Freshmen
April 14	Gordon Military College
April 17	Gainesville Jr. College
April 18 * n	Dekalb College (2)
April 21 * n	Middle Georgia College
April 22 *	Middle Georgia College (2)
April 24	Georgia Tech Freshmen
April 26 * n	Gordon Military College
April 28	Georgia Military College
April 29	Georgia Military College (2)
May 1	Dekalb College (2)
May 2 * n	Gainesville Jr. College

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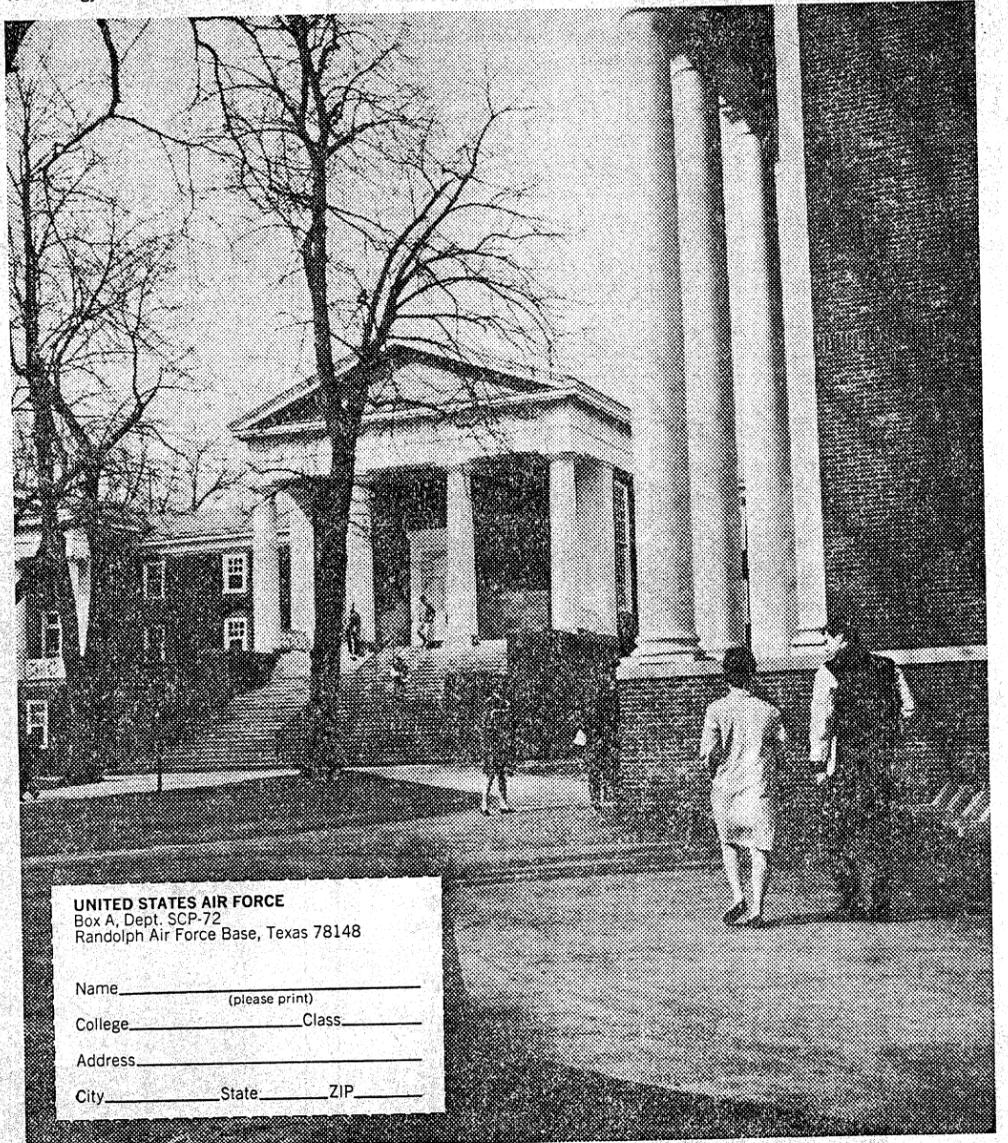
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