

Campus leaders concerned with ratio of students to teachers

By CHARLEY BANKHEAD
UD News Editor

Administrators, faculty and student leaders are concerned about Tech's student-teacher ratio, but apparently additional legislative funding is necessary to lower the ratio.

INTERIM ACADEMIC Vice President Dr. William Johnson said Tech's ratio is slightly higher than at state universities with which Tech officials compare the university (the University of Texas, Texas A&M and the University of Houston).

(see related story p.4A)

"But our ratio is also lower than those at a number of other state schools," said Johnson. "I certainly don't want the ratio to go any higher, and I'd like to see it reduced."

The latest statistics Johnson had available for comparison were for 1973-74. For that fall semester, Tech's ratio was 18.3. At the same time, the University of Texas had a 16.8 ratio; Texas A&M had a 15.5 ratio; the University of Houston had a 16.8 ratio. Other schools and ratios Johnson mentioned included North Texas State (15.3), East Texas State (16.2), West Texas State (18.1) and the University of Texas at Arlington (20.7).

Statistics for fall, 1975 indicated Tech's ratio had dropped slightly to 18.31. Johnson said the spring ratio is 17.06 for the campus. He said university officials usually use fall semester statistics for comparison because enrollment generally decreases in the spring.

According to Johnson, university officials determine the ratio based on full-time student equivalents (FTE) divided by full-time faculty equivalents. Student FTE's are all students enrolled for 15 hours. Faculty FTE's are all teachers instructing 12 course hours.

"The ratio is going to vary across campus," said Johnson. "In some areas, the ratio will be high; in others it will be low. Whether a ratio is high depends upon the instructional technique."

Johnson provided statistics showing Tech's College of Business Ad-

ministration had the highest student-teacher ratio among academic colleges for fall, 1974 with a 23.91 figure. Arts and Sciences was next with 19.77 and followed by Home Economics (16.75), Agricultural Sciences (15.95), Education (14.42) and Engineering (10.76).

The academic vice president said the ratio is traditionally lower in engineering and other technical fields and higher in arts and sciences, especially service areas (history, political science, sociology, etc.). But Johnson said degree of technicality is not an accurate means of evaluating the ratio.

"THE MOST EFFECTIVE teaching technique is by far the most important consideration," he said. "This might include such considerations as whether a course is primarily lecture-discussion or has a lab and how much close professor-student contact is necessary."

"Also, the student-teacher ratio sometimes can be misleading. For example, introductory courses can have a higher ratio and still have an effective instructional program."

Johnson said there are two ways university officials can reduce the ratio — restrict enrollment and hire additional faculty. He said he has heard no official discussion about limiting enrollment at Tech, and legislative appropriations limit the number of new faculty positions.

"When you have a given amount of money for faculty (referring to state appropriations), you are going to have problems," said Johnson. "When a faculty member retires, you have to get a replacement. The replacement often costs more than the retiring faculty member."

"Inflation is another factor. If we did not give the faculty raises, we could hire more teachers, but we feel a responsibility to keep Tech faculty salaries competitive with other institutions. It's a matter of balancing the various pressures on appropriated money."

Johnson said another way to relieve the problems of high ratios is to respond to campus needs with regard to allocation of positions. He said university officials should allocate to meet effectively the requirements created by retirement-increased enrollment.

"MOST SIMPLY," said Johnson, "we need to find out where the students are and try to respond."

Student Association (SA) President Bob Duncan and past president Bill Allen said they are concerned about large classes but indicated they had taken no specific action. Both said the SA Committee on Academic Affairs probably would initiate any action.

Allen said his major concern with faculty has been quality rather than quantity. He did say too high a ratio is sufficient cause for loss of accreditation. He indicated Tech's College of Business Administration (with the highest campus ratio) may be approaching the limit.

Dr. Charles Hardwick, chairman of Tech's Faculty Council, said faculty members are concerned with the ratio but faculty and administrators have difficulty determining an optimum ratio.

"I THINK THE student-teacher ratio at college campuses in general is too high," said Hardwick. "There has been a tendency to opt for efficiency. An instructor may be able to teach one student, but if the instructor can teach 100 students, that increases efficiency by 100 per cent."

"But I'm not sure it works that way. If the ratio is too high, you may lose the necessary personal contact between teacher and students."

Hardwick said the Faculty Council has not initiated any program to reduce the ratio or had official discussions with Tech administrators.

Johnson said students concerned about large classes should make their feelings known to department chairmen and academic deans. Current Tech students can discourage others from coming to Lubbock. Johnson said more students mean more appropriations for Tech but this also means more students in classrooms.

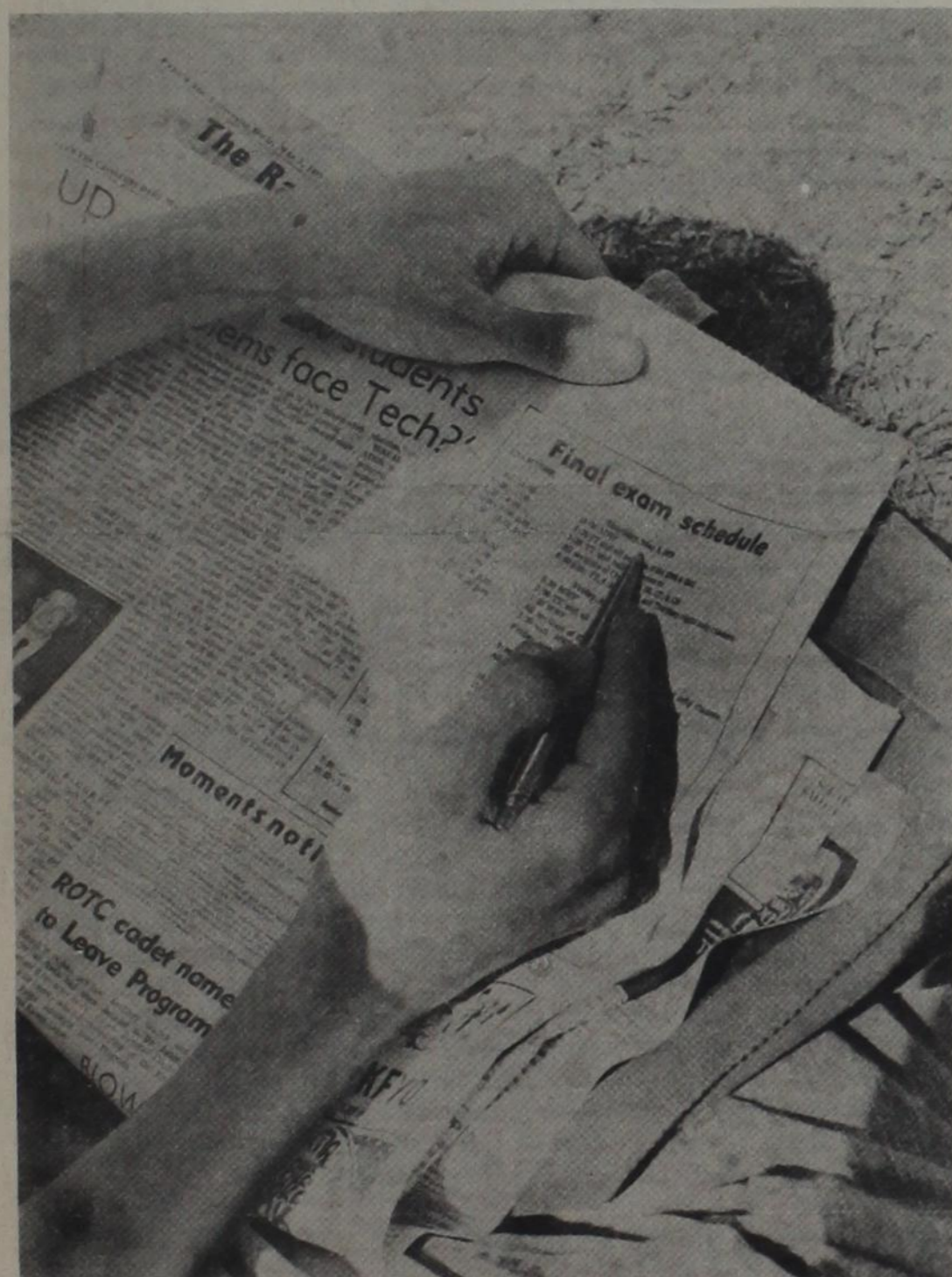
"WE (ADMINISTRATORS) are aware of the situation," said Johnson. "We are continually told of the need for more faculty. But unless the state legislature appropriates more money, we will have to try to respond through shifting and allocation of positions. Right now, the money is just tight."

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TEN PAGES



The last hurdle

Finals are the last hurdle facing students before the end of the spring semester. No classes are scheduled Wed. For a more detailed look at the finals schedule than above, see p.4B. Today's paper is the final issue for the spring semester. The paper will be published on a biweekly basis for the summer term starting June 6. (Photo by Curtis Leonard)

Refugee aid request opposed by Congress

WASHINGTON (AP) — The Ford administration requested an additional \$507 million Monday for the care and relocation of South Vietnamese refugees but ran into immediate resistance in Congress.

THE DIRECTOR of Ford's refugee task force, Ambassador L. Dean Brown, said the money is needed within a week because a \$98 million fund for postwar reconstruction of Vietnam, now used to pay for the program, will be spent by then.

Testifying before the House immigration subcommittee, Brown said the refugees are now estimated to number about 135,000.

He believes the country's attitude is changing toward welcome for the refugees, Brown said, and even if the number of refugees reached 150,000, only about 30,000 would seek jobs.

HE SAID the U.S. is urging other countries to take refugees, adding that, if there are no widespread killings in South Vietnam, "I believe we would see a large outflow back. This is their homeland."

"I'm under no illusion this will come quickly," he said. Subcommittee members complained there were no specific figures on how many refugees there will be, how many can pay their own way or what will happen to South Vietnamese who profited or tortured people during the war.

Rep. Joshua Eilberg, D-Pa., subcommittee chairman, said the subcommittee may act within a week but predicted it will not approve the full \$507 million request.

THE ADMINISTRATION said its request would pay for the program through Sept. 30, 1976.

Rep. Elizabeth Holtzman, D-N.Y.,

said South Vietnamese who profited and "killed and tortured South Vietnamese" should not be allowed permanent entry into the United States.

But Gen. Leonard F. Chapman Jr., head of the U.S. Immigration Service, said it is a "hard fact" that the United States could not send even criminals back to South Vietnam and would probably have to keep them as refugees.

Asked about the refugees with money, Brown said the 44,000 refugees

at Guam came out with some \$2 million, mostly in small gold bars.

HE SUGGESTED this was primarily the "life savings" of families but did not say how many of the 5,000 to 6,000 families at Guam were able to bring out money.

Those who did will get no U.S. help in resettlement from refugee camps, he said.

Canada already has agreed to take at least 3,000 of the refugees, Brown

testified.

He said Latin American countries need skilled workers and are expected to take some refugees and that Australia will be asked to take a large number.

But Rep. Martin A. Russo, D-Ill., said it was clear at a conference he attended in Europe last week that "there's not going to be much resettlement in foreign countries... They're not going to do their share."

Med School construction alleged to cause problems for Ag students

By BABS GREYHOSKY
UD Reporter

The construction of the Med School building is allegedly causing problems for students in the College of Agriculture.

ACCORDING TO Feller Hughs, animal production major and former president of the Ag Council, the Tech farm must be re-located in New Deal because the present farm site interferes with the construction of the Med School.

Feller said that in the original transaction to move the farm, the University was supposed to appropriate the necessary funds in order to develop and facilitate the new farm.

"We have received only half the amount of money needed to get the farm going," said Hughs, "and we've already used most of that without the farm being nearly what it should be."

ACCORDING TO an official source in the College of Agriculture who wished to remain anonymous, the farm eventually would have been forced to re-locate because of the continuous expansion of the University. In addition, the funds set aside for the farm three years ago do not meet the necessary needs because of the effect inflation has had on the economy, he said.

Officials in charge of the farm hope to have it built in three years. But right now the students in the Agriculture Department are in a quandary: nothing can be done at New Deal because the proper facilities are lacking, and nothing can be done at Tech because

the facilities can't be used.

Classes cannot be taught as they should be under these conditions, said Hughs.

"THIS DELAY IS really going to hurt the reputation of the department," said Hughs. "There are a lot of dissatisfied graduating seniors that won't hesitate to voice their disgust to others about the inadequacies in the ag department."

Once the farm is fully developed, the problem of an inconvenient location will still exist. According to Hughs, at

least eight courses in the department have essential labs at the farm.

Hughs anticipates a lot of hassles for students who will have to commute back and forth to New Deal for their labs. No transportation system has been designed yet, according to Hughs.

AFTER THE FARM at New Deal is operating smoothly, an animal pavilion is tentatively planned for construction at 4th and Quaker. Hughs said students will still need at least 20 minutes between classes to get to the pavilion.

Utilities regulation sought by Senate

AUSTIN (AP) — Senators voted Monday to set up Texas' first state agency to regulate the utility business. There were no promises, however, that it would mean lower rates.

HOUSE members tentatively agreed, 66-61, to outlaw the sale of "Saturday night specials" — cheap, poorly made handguns that some blame for the increase in violent crimes.

The utility bill was sent to the House on a voice vote, and the sponsor, Sen. W. T. Moore, D-Bryan, predicted a House-Senate conference committee would write the final version.

Moore admitted that he opposes the state regulation of utilities, which raises questions about the worth of the bill.

BUT SEN. Ron Clower, D-Garland, who favored a stronger measure, said Moore's proposal was "good for consumers, good for the companies and good for the state of Texas."

Common Cause, the so-called people's lobby, issued a statement, however, protesting that it was a "Black Monday" for utility consumers. It said the bill lacks a provision for citizens to appeal utility rates to a council or the proposed commission.

It creates a three-member commission appointed by the governor to regulate intrastate telephone rates and service and also electric, water and sewer utilities in unincorporated areas. City councils would retain

jurisdiction over electric, water and sewer rates and service within the city, but they could turn that job over to the state commission after two years.

THE COUNCILS would keep control of natural gas rates within the city, and the Railroad Commission would continue to regulate natural or synthetic natural gas outside the city limits.

The bill requires public hearings before rate increases could go into effect, and commission staffers would be available free-of-charge to the councils for consultation on proposed rate increases.

IN ADDITION, the Senate voted to require the utility companies to pay the cost of hiring experts for the city during rate negotiations.

Senators defeated, 17-12, however, a Clower amendment to base rates on the original cost of company facilities rather than what the companies consider a fair replacement value. The bill establishes a "fair value rate base" that will not be weighted less than 40 per cent or more than 60 per cent to either original cost or replacement cost.

THEY ALSO rejected, 21-8, Clower's amendment to make the commission a three-member elective body "to alleviate the fears that appointed commissioners will be dominated by the industry."

Domestic car sales fall; import sales rise

DETROIT (AP) — Domestic car sales in April fell sharply from a year ago to remain at a 14-year low, while imports rose nearly as sharply to capture a record share of the U.S. car market.

THE NATION'S four auto makers reported Monday that domestic car sales last month fell 26 per cent from the energy-crisis depressed levels of April 1974 and trailed weak March levels by 1 per cent.

The daily selling rate was the poorest for the slumping industry since the 1961 mini-recession.

Chrysler Corp. posted the largest drop at 43 per cent. Ford was down 29 per cent, General Motors 21 per cent and American Motors 11 per cent.

IMPORTS, capitalizing on a fuel-economy advantage over U.S.-built models, reported sales last month were up 25 per cent from a year ago. The gain gave the importers a 21.4 per cent share of the market.

Although April import sales of 141,120 did not approach the month's record of 159,300 set in 1973, nine of 21 imports set individual records for the month: Fiat, Volvo, Honda, Audi,

Mercedes-Benz, BMW, Subaru, Peugeot and Alfa-Romeo. Seven others reported gains and five reported declines.

Imports have grabbed more than 20 per cent of the U.S. market for four straight months.

FOREIGN COMPANIES have never taken more than 16 per cent of American car sales for an entire year — the record was set in 1974. But analysts expect the import share to be about 18 per cent this year.

Hussein wins U.S. commitment for missile delivery

WASHINGTON (AP) — Jordan's King Hussein has won a new commitment from the United States for delivery of Hawk anti-aircraft missiles, it was learned Monday.

THE PROMISE was given Hussein during his recent visit here, sources said. They will be the first Hawk missiles to be added to Jordan's arsenal.

New arms shipments to Israel are in a state of suspension while the administration reassesses its Middle East

policy. However, Israel has continued to take delivery of Phantom jets, tanks and other equipment previously committed.

State Department officials would not confirm that Hussein is being given the Hawk, an Army weapon against low-flying aircraft.

"I AM UNAWARE of any commitments that were made to King Hussein," department spokesman Robert Anderson said earlier in the day.

Israel has been concerned that the reassessment, instituted when Secretary of State Henry A. Kissinger's Sinai mediation collapsed, might cause them difficulty in obtaining some new weapons systems.

Hussein first sought the Hawk surface-to-air missiles a year ago.

He has been issuing public warnings that unless there is progress soon toward peace in the Middle East a major disaster could occur.

DEFENSE Secretary James

Schlesinger said in a televised interview March 31 that "during this period of reassessment the United States will be reluctant to enter into new commitments in the Middle East until we have a firmer grasp where the United States wishes to go."

U.S. officials said Secretary of State Henry Kissinger had made "a verbal commitment" to help Hussein on his air defense system on a visit in February 1974.

"I'm going to go ahead and stick my nose in the fire and say that I'll be trying to keep this column on a daily basis. That means that for the next 135 issues of the University Daily, my column will be appearing for your enjoyment or suffering. It's never been done. It's almost unheard of for an editor to make a flat statement like that, but I have made it and I'll do my best to fulfill my words."

—Robert Montemayor, in a column
September 4, 1974

Have a good day



Robert Montemayor

It took 50 years for Tech to select its first non-white University Daily editor. My guess is it may be another 50 years before it happens again. But, for the short moments that I do have, I'll cherish the accomplishment and always wonder how in hell I ever got the opportunity to have my say.

I'll be honest with you; I'm tired ... very tired. After more than 150 editorial columns, after more than 800 pages of copy, after having acquired more than 40 academic hours and after having taken about half a dozen trips to the doctor, all within the last year, saying I'm tired may be an understatement.

I have been despised, hated, physically threatened, invited to "get the hell out of town as soon as possible," loathed, detested, cursed, denounced; just about every attempt you could possibly imagine to discourage my liberal views from being published has been tried on me.

Some of the claims may have validity. Because who else do you know who could kick people in the teeth, reveal the behind-the-scenes story, dig Tech administrator's reputations and still have the gall to end the column with those ever common words, "Have a good day."

Who is this man? What does he want? What right has he to complain daily, to raise questions no one else cares to ask? Who is this long hair, fuzzy headed, bearded, radical looking liberal kook Chicano who would do all these things?

Quite simply I'm a concerned student, who happens to wear the hat of a journalist. I'm an individual who goes to bat

for the little man when no one else will. I'm a man who's been taught to search out the truth, regardless if you're going to be hated and friendless. I'm a man who doesn't know how to say no to practically any request asked of me, or one who refuses to accept a no for any request I make.

I play the devil's advocate to the hilt. I'm an eternal cynic, who has nonetheless learned how to care about student's problems on a consistent basis. I am a man who knows all too well what frustration is, but who has learned to be callous and patient.

And it may come as a surprise to many of you, but knowing what I do now, and even realizing how exciting the job has been, if I had to do it all over again, I wouldn't. I would do something completely different and new.

Admittedly some of the hangups of the job have been the loss of privacy and the heavy responsibility of having to be able to answer any question anyone would wish to ask of me. Plus, the fact remains that students are always ready to pounce on your slightest mistake. But, I don't think you can find too many contradictions in my work. I'm consistent.

I don't honestly know what my effect has been. It will probably take a 10-to-15-year waiting period before I can personally evaluate myself fairly. However, I have not pulled up reins on any issue.

I have been totally honest with you. It would take a fool to not realize where I stood on the majority of issues. I didn't expect total compliance ... but rather spirited discussion and poignant questioning of the issues. I really didn't care who hated me so long as a particular subject was at least examined fully.

As for any parting shots that I have for certain individuals, I will say this. President Grover Murray better stop thinking that he's some kind of demagogue. He no longer knows the students, or even is aware of what students think of this University. He ignores his faculty and has not provided the academic leadership which has been sorely needed at this institution in the last few years.

Murray is not visible. He is not accessible. He is not in tune. He's only getting to be a shadow of the administrator he once was, and quite predictably, this may cost him his job later.

I think J. Fred Bucy is good for the University. Every Board needs a Bucy ... to keep things from becoming monotonous. He does, however, have the chore of keeping himself from becoming alienated from the rest of the Board. He's already stepped on many faces, and if he continues to do so without discretion, he'll find himself backed into a corner with no influence in hand.

Bucy, as the maverick regent, thrives on controversy, but he really can't afford to be controversial for controversy's sake.

I would suggest that other administrators open up and be more candid with students. I would suggest students be more aggressive and force the administrators to be more candid. I would suggest the faculty quit being so spineless and group together and settle their grievances with the administration before they become a core of zombie professors for the University.

I could go on and on, but last words really don't mean that much. I would hope that most of my influence had come during the year.

I write no epitaphs for myself. I'm not through. You're going to hear from me later on in the future. I'll promise you that (There I go promising again).

Thank you for being patient with me. If I have any regrets it's that I've probably been too soft with things this year. But, then you can only get away with so much in Lubbock.

And in the immortal and humble words of J. Fred himself, "if there is anyone's toes that I have not stepped on, it was not intentional. It was due to lack of time." So if you'll please pardon me I think I'll slip away into another role. Later.

Have a very good day.

Letters to the editor

Ag facilities lacking

To the Editor:

There is a need in the Texas Tech College of Agriculture for educational facilities that are not being provided. We realize that the College of Agriculture has an enrollment of less than 10 per cent of the university's enrollment, but the people in the profession of agriculture are the people who in the future will be providing food for 90 per cent of the U.S. population.

We feel it is very important that we get the best possible education that can be provided by Texas Tech. At the present time our farm facilities are being moved to New Deal because the Tech Medical School is replacing our present farm operation. The agreement was that when the farm was moved, the Agriculture Department would be furnished with enough money to replace the college feedlot, swine operation, sheep barn, horse barn, dairy, and other farm facilities at New Deal. At the present only half of that money has been furnished, and we will just have to wait for the rest of the money.

If Texas Tech is going to provide an education which is competitive with other agricultural colleges we need these facilities right now. Texas Tech is in the middle of the cattle feeding center of the world, we are in the center of one of the largest grain sorghum producing areas, and are in the center of the Texas cotton growing area. Why should we let Texas A&M do all the research in these areas when we are in the most ideal location that a school could be for research.

Another educational facility that Texas Tech is in dire need of is a large Pavilion on the campus so people could walk to it like any other class. We feel to locate this building off campus would be detrimental to the quality of education needed. However, at the present time plans are to build the pavilion off campus. On campus, the Pavilion could be used to bring animals in from the farm so that students would not have to drive to New Deal. It could be used for many other things, such as a horse program where equestrian classes could be offered. Functions such as judging contest and many other types of exhibits could be held there. It could also be used by campus clubs, sororities, and fraternities to hold functions inside instead of fighting the elements as they have

Feller Hughes
2012 16th
Susie Richburg
2211 10th No. 207

Pool letter ludicrous

To the Editor:

When I first arrived here after spending the last three years in California, I was aware that I was likely to encounter a different, and more conservative set of attitudes and beliefs. However I was amazed to read the letter to the editor in the University Daily of Friday, May 2, in which two individuals oppose the construction of the new university swimming pool. The reasoning that is used is, to say the very least, ludicrous.

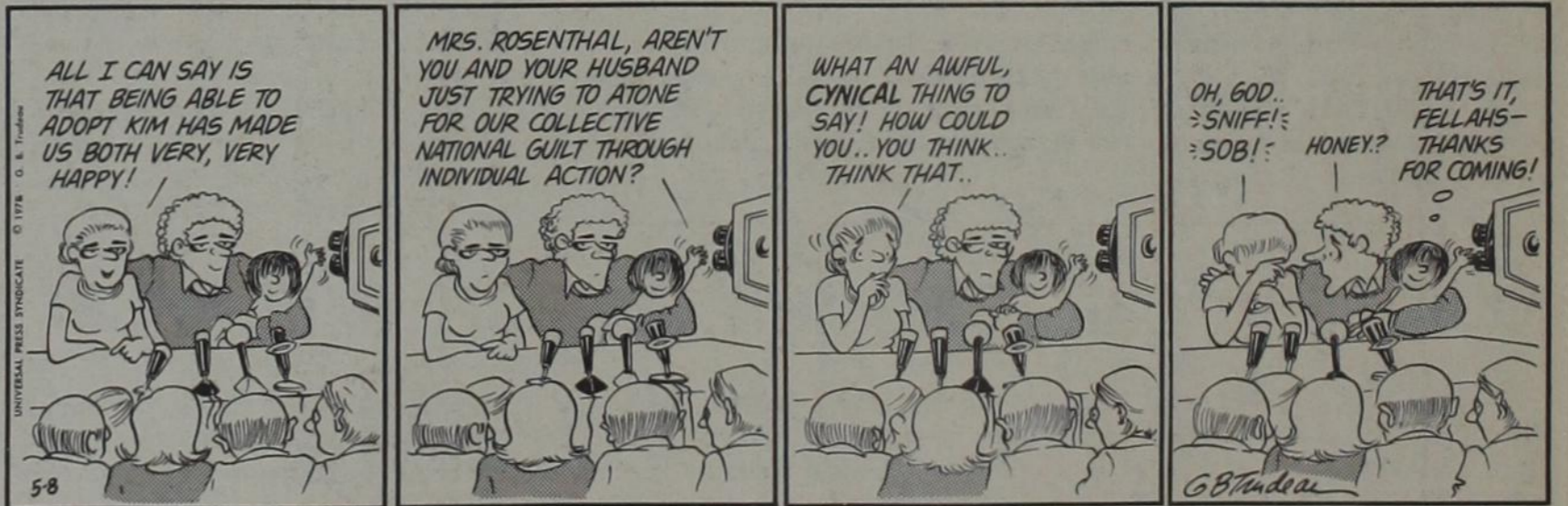
To deny the use of a pool facility to the majority of students because a minority of students may not know how to swim and may foolishly throw themselves into the jaws of destruction (even though I'm sure that lifeguards will be at hand to save these misguided people from themselves), is the same as denying the use of the highways to licensed drivers because a few irresponsible people MAY attempt to drive without benefit of training.

The second, and perhaps more amusing, argument against the new pool is that scantily clad individuals of both sexes, in "damp" surroundings may be somehow induced to outrage the public sensibilities by engaging in some form of orgiastic behavior. After having attended nude (as in "STARK NAKED") beaches in California I can assure you that this is not the case. As in most cases, it is only those people who have their OWN little hangups about the human body, and little self-control or maturity that are likely to do anything offensive. It is perhaps well to remember that this is 1975, not 1875 as some people seem to wish.

Leslie C. Eaton
CTL (Cal.), MLT (ASCP)

by Garry Trudeau

DOONESBURY



Letters to the editor

Shotgun approach failed

To the Editor:

The shotgun approach with which I took in trying to convey my point across to your social organizations was truly out of context and uncalled for. As far as generalizing and categorizing all fraternity and sorority people into one lump sum was near sighted on my behalf. I owe the people in the Greek organizations an apology in hope that it is accepted.

Let me try once again to reinstate my point in a little more clear and level headed approach. As Mr. Harden pointed out, the Greeks are certainly not lacking in their philanthropic projects, in bettering the status of mankind. Your altruistic goals are truly noteworthy, but I did notice Mr. Harden, was to make you and your cohorts think of just what all of mankind was based upon. That basis is centered around a greater respect for the land. The development of a more realistic approach to our land ethnic is what is truly needed. Because the Greeks can do all their great projects to impress the community directly, but if you don't accept the fact that a healthy populace is dependent upon a healthy environment then all your projects are for naught.

I don't mean to alienate such great social organizations, which you stand for, away from us of the minority who approach the ills of the world with a hological philosophy. Our very existence is so heavily dependent upon those things that are so easily taken for granted these days, such as relatively inexpensive fuel, clean water, and having food for every meal, that we tend to forget where they come from. These things of which I speak are made so available all the time that they just aren't appreciated; and they won't be until some major catastrophe awakens us of Texas Tech and the people of our nation to become more conscious of our environment and our dependence upon it.

For as Aldo Leopold so eloquently stated about man and his attitude towards mother earth, "We abuse land because we regard it as a commodity belonging to us. When we see land as a community to which we belong, we may begin to use it with love and respect."

Dean Anderson rapped

Let us not be so naive to what the future holds for us of the "younger generation." We are going to see some dramatic changes come to our life style, in our own life time, and if we don't start preparing for an easy and gradual transition into that life style now its going to hit us like a brick, Mr. Harden.

Steven Post
1305 Ave. X No. 6

To the Editor:

All of us within the College of Education have been well aware of Education Dean Robert H. Anderson's immortality. We are told that he is a marvelous speaker, a real master of the English language, a gifted Harvard intellect and, just generally a really swell guy. He's the fellow who has written bunches on this nation's need to revamp our public schools and institutions, endorsing a more humanitarian approach to teaching primarily through student-centered teaching methods.

Which is why, I suppose, there are some dingbats within the professional education course offerings teaching real significant items, dishing out vital information that will help education majors grow up and also be dingbats someday; informational jewels like when the first secondary school in America was established, which is taught by Curriculum Professor Levi Nagle the first week of his course, are sure to make me as wonderful as my Dean. All in all, a good portion of Dean Anderson's professional education courses leaves in my mind a picture of a 1940ish secondary education text on how to teach grammar: hey, Dean Anderson, you need to pull some 1940ish weeds out of your own backyard.

But being the loving humanitarian Dean Anderson's writings seem to imply that he is, all of us in the College of Education know that it is only a matter of time until the professional education courses are given a tinge of relevance; shouldn't be more than forty, fifty years.

Edward Allen
2212 2nd, No. 7

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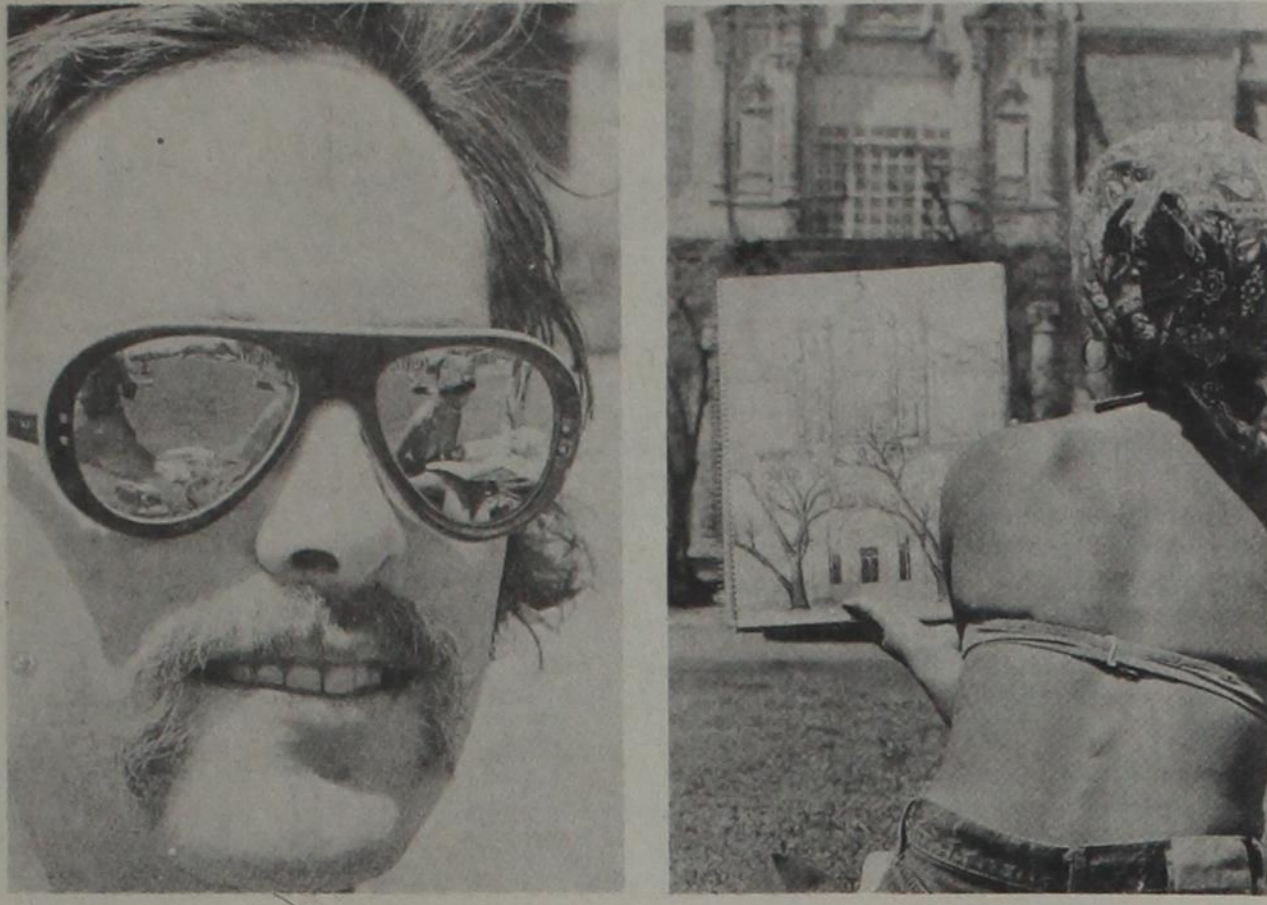
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Reflections

What you see on the left, reflected in the sunglasses of senior Travis Griffith, is what you see on the right, although not exactly from Griffith's angle. Freshman Mona Bernhardt is working on an assignment for Art 135. (Photos by Paul Tittle)

Student-teacher ratio concern of deans

By CHARLEY BANKHEAD
UD News Editor

Interviews with Tech's academic deans indicated varying degrees of concern about student-teacher ratios, headed by outspoken comments from Business Administration Dean Jack Steele.

"SPEAKING ONLY for the College of Business Administration, the situation is almost abominable," said Steele. "Our full-time faculty average about 200 students per semester. From my experience and association with higher education, Texas Tech's College of Business Administration faculty is carrying the heaviest load of student contact hours of anyone in the nation.

"Student - teacher ratio is misleading. Student contact hours is what is important. You've got to consider things like making out tests, grading, getting tests and papers back to students. When you consider these things and all the others that go into student contact hours, I question whether the students actually are getting a decent education."

Steele said he is not advocating classes of 15-20 students but that the BA faculty can operate effectively with classes of 40-60 students.

Steele said BA is a minimum of 10 faculty members short of having its necessary faculty full-time equivalents (FTE). Steele said by actual head count, BA has 120 faculty members, but without including teaching assistants, the number is closer to 80. He said those faculty members are the ones carrying the heaviest student contact hours. The dean said almost all BA principles courses have 200 or more students.

Dean Lawrence Graves of Arts and Sciences said the ratio varies across campus by department. He said Arts and Sciences departments generally can tolerate higher ratios.

"But you have to consider areas such as chemistry, physics and biology," said Graves. "They all have labs. Also, you can't teach someone to write a coherent paragraph in large classes."

Graves said one solution to high ratios would be to hire lower-priced instructors. ("People who are the tops in their field and want time for research simply cost more.") But he said he thinks that would lower the stature of the university.

Graves pointed out that Tech's ratio used to be more than 20 and has declined steadily.

"SCHOOLS LIKE Texas A&M, Texas and, to some extent Houston have outside money to help pay faculty," said Graves. "We don't, and in light of that, I think we've done reasonably well at Tech at keeping the ratio down."

Home Economics Dean Donald Longworth said the ratio is "reasonable within our particular program." He said the only circumstances under which Home Economics might need more faculty is a large enrollment increase, which he does not foresee.

"That's not to say that I have had no requests for additional faculty," said Longworth. "Teachers are always thinking of ratios and that lower ratios help them be better instructors. But I don't

think studies seem to support this."

Agricultural Sciences Dean Anson Bertrand also said the ratio in his academic college is reasonable, although he would like to lower it to about 12 or 13. He said his major concern is lack of flexibility among faculty.

"OUR NUMBER of faculty positions has not changed significantly within the last several years," said Bertrand. "We need new faculty to provide a wider breadth of education. Agriculture areas require a broad range of educational activities. We need more faculty in order to let our instructors specialize."

Dean Robert Anderson of the College of Education said that college's faculty problems stem from being overloaded with courses.

"Our teachers simply teach too many courses," said

Anderson. "Our situation is not critical in that we haven't had to rely on large classes to get by. Right now, we're about six and a half FTE's short of having enough faculty to carry a reasonable load. We will have three additional positions next fall, so the situation is getting better."

Dean John Bradford of the College of Engineering said legislatures have traditionally realized the need for smaller classes in engineering. Tech's College of Engineering has the smallest ratio on campus (10.76), but Bradford said the trend is toward even smaller classes.

"In engineering and architecture, we have a problem in keeping graduate courses to about five or six and junior-senior level courses around 10 or 12," said Bradford. "We use a lot of very expensive equipment, and we simply

may not have enough money to buy equipment.

"Our ratio looks extremely low when compared with other areas, but when you realize one student in a laboratory could tie up half a million dollars of equipment, you can see we can't afford to buy equipment for more than eight or 10 students.

Black reception on May 16

The Black Faculty and Staff Council is sponsoring a graduation reception for black graduates and their parents.

The reception will be held from 4 to 5:30 p.m. on May 16 at 4607 23rd St. Black graduates, their guests, spouses and parents, are invited.

200 attend cancer seminar

By JOANNA VERNETTI
UD Reporter

The importance of early detection of breast cancer through breast self-examination and frequent visits to the physician was emphasized Monday during a Breast Cancer Seminar in the University Center Ballroom.

The seminar, sponsored by the Tech Medical School Faculty Wives Club, is the first of a series of educational programs which will be presented to increase knowledge about medical subjects.

A panel of four physicians from the Tech Med School used slides, films, displays

and anatomical teaching models to explain the various aspects of breast cancer to an audience of about 200.

The panel members included Dr. Phil T. Williams, gynecologist; Dr. J. Max Word, radiologist; Dr. John A. Selby, surgeon; and Dr. Adolf D. Orina, pathologist.

Although the mortality rate caused by breast cancer has not changed significantly, the doctors said the best way to increase the survival rate of breast cancer victims is to discover the cancer and seek medical help immediately.

Many of the lumps in the breast are benign, so the woman owes it to herself to

have the lump examined quickly. The use of mammology, an X-ray of the breast, has helped physicians find cancerous tissue which had not yet been discovered as a lump, Word said.

Some suspicious signs which should warn the woman to seek medical advice are an inverted nipple, retraction of the skin of the breast, thickening of the skin in the breast, or a discharge from the nipple.

The importance of accurate diagnosis of the lump or breast tissue is seriously considered by all pathologists, Orina said.

Property deposit refundable

Seniors and students who are planning to leave Tech may apply for a refund of their \$7 property deposit in rooms 162 and 166 of the Administration Building.

STUDENTS WHO wish a refund, according to a spokesman for the Office of Accounting and Finance, should come by one of the two offices and fill out a property deposit form. The student's name, Social Security num-

ber, mailing address and most recent time of enrollment are required on the form.

"The property deposits," said the Accounting and Finance spokesman, "will be held for at least 60 days while the Library and Chemistry Department submit their fines. The fines are put through a computer and applied to each person's deposit."

What remains of the deposit,

the spokesman, is mailed to the student. The process may take as much as 90 days or possibly longer, according to the spokesman.

There is no deadline when students must apply for the property deposit refund. The deposits are held for four years by the Office of Accounting and Finance, after which time the student forfeits the deposit and it is put into a scholarship fund.

University goals report circulating

Tech's Committee of 50 is circulating a "Goals Development Progress Report" on campus to obtain the views of students, faculty and staff.

THE COMMITTEE, named by President Grover E. Murray last October, includes educators and laymen who were asked to assist in the development of long range goals and objectives for the university's future.

All faculty and staff and 1,944 students are to receive the brochure suggesting goals in nine areas. Each recipient is asked to study the suggestions, make comments or additions and return the brochures — with attached sheets of comments if

necessary — to Dr. Len Ainsworth, coordinator for committee activities.

To choose student participants, Ainsworth said, a sample was drawn from a computer listing of all students. The sample is balanced according to class levels, but otherwise it is a random sampling.

GOAL classifications in the

brochure include students, faculty, staff, planning, coordination, academic affairs, public service, research, and university relations. From five to 12 goals are listed under each classification and space is left for the comments or additions. Responses should be received in Ainsworth's office within two weeks.

Moments notice

HARBINGER
The Harbinger, Sigma Tau Delta's creative writing magazine, is on sale in room 216 of the English Building for 25 cents.

CHRISTIAN SCIENCE ORGANIZATION
Christian Science Organization will meet at 7:30 p.m. tonight in Room 208 of the University Center.

SIGMA DELTA CHI
Sigma Delta Chi party tonight at 7 p.m. at Two Worlds number 83, 2212 5th. Bring swimsuits and towels and \$2.50 if you haven't paid.

BAPTIST STUDENT UNION
An All-BSU Appreciation Fellowship will be held during Serendipity today at 5:30 p.m. at the Baptist Student Center, 13th and X. BSU Director Robert Cannon and STS Worker Donna Reynolds will be among the honorees. No hot meal will be served.

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Letters to the editor

UC program presents

To the Editor:
 "THE UNIVERSITY CENTER PROGRAM PRESENTS" is a title seen on many posters on campus. This title identifies the programming body of fellow students within the University Center who offer programs for the participation of Tech Students. This group brings a variety of programs ranging from academic to entertainment. Just since September of this year, U.C. programs brought 206 events involving 60,000 participants. Programs (not including salaries or facility expenses) are funded by 68 cents per student out of his \$5 University Center fee. From this amount the Program Council tries to keep in mind all the Tech students and their very diversified interests. Due to the diversity of over 20,000 students this programming becomes very complex with many differentiated aspects and problems.

A problem constantly facing this group is the diverse interests that are not represented by the over 300 students on the eight standing committees and the two ad hoc committees. Over the last two years more effort has been made to represent all interests however, we do admit that there are areas in which our programming has fallen short i.e. minority programming.

This year our efforts toward minority programming began with an attempt to increase minority representation on committees by special visits, letters, and phone calls to minority leaders. An example of our programming for minorities include such events as the Fiesta Folklorico to increase awareness of the Mexican Culture. Various international groups have been represented through Free University Classes, the international dinner and the World Affairs Conference. We worked in cooperation with S.O.B.U. (Student Organization for Black Unity) at their request, to help program for Black Week. Our help included supplying a movie, a video tape, and two thirds the cost of the Goldsby vs. Shockley debate.

It is very difficult to program for these minorities without adequate representation. We need their constant input rather than special organizational requests. If these

minority interests were represented within the committee, the task of supplying quality programs would be easier.

NOTE: These corrections need to be made in regards to "Be My Guest" of April 30, 1975: Lone Star Music Festival cost U.S. programs \$3,500.00 and 5,000 to 6,000 people were in attendance.

University Center Program Council
 Dottie Buchanan, director

Disagrees with SOBU

To the Editor:

This is in regard to Michael Clack's letter May 5 concerning unequal representation in the Senate.

Mr. Clack may have a good, valid point about the Student Senate not representing all students, particularly minorities, but I strongly resent you calling a fellow black or a chicano a so called "sellout" just because he or she wins a Senate seat on their own individual efforts with perhaps some occasional support from black or chicano organizations. I guess that candidate doesn't act black enough to Mr. Clack's satisfaction.

The content of Mr. Clack's letter seems to reflect a sorry "I want something for nothing attitude" just because you're black. It is also depressing to read about SOBU member Denise Bradford's comments and opinions in the UD's Lifestyle section which reflects a "I don't associate or intermingle with people who are not black" attitude. To me, this is same as an Anglo saying "whites only" when he or she relates to others. It only takes common sense to realize that segregational attitudes weaken the atmosphere of a University.

It's bad enough to see that Texas Tech University still has a backward, red neck atmosphere in various areas, but with the attitudes that Michael Clack and Denise Bradford express, they will not help this University at all.

Hector Martinez
 403 Wells Hall

South Vietnamese troops ordered to turn themselves in by May 31

By The Associated Press

Warning that holdouts would be severely punished, Saigon's new rulers have extended the deadline to May 31 for members of the defeated South Vietnamese armed forces to turn themselves in.

According to a Saigon radio broadcast monitored Monday in Bangkok, the new regime for the sixth consecutive day ordered anyone holding military equipment to turn it in immediately.

Some observers interpreted this as a sign of possible delays in efforts to round up weapons, soldiers, policemen and officials from the old regime. Others said it may mean some former troops are in jungles or other isolated areas.

An order signed by Gen. Tran Van Tra, head of the Saigon military committee, said anyone still hiding after midnight May 31 would be severely punished, according to a Saigon radio broadcast monitored in Bangkok. The broadcast said all who have "temporarily reported" must do so again. The previous deadline had been Wednesday.

Another broadcast said the release of "political prisoners" of the old Saigon regime was under way and called on prisoners already freed and families of prisoners to plan a welcoming ceremony for persons returning from Con Son prison island.

The government of former President Nguyen Van Thieu never acknowledged holding political prisoners, but Communists alleged there were tens of thousands.

Duong Van Minh, the neutralist retired general who was president of South Vietnam for three days before last week's surrender, also was at liberty, according to the Viet Cong's Liberation radio, believed to emanate from Hanoi.

A broadcast said Minh, his premier, Vu Van Mau, and 14 other cabinet and legislative figures were released from custody Friday in a meeting at the presidential palace, asked to contribute to reconstruction and invited to a Revolutionary Government reception.

A Hanoi radio broadcast said Minh replied: "I am very glad indeed that in my 60th year I have become a citizen of an independent Vietnam."

The Hanoi broadcast also quoted Minh as telling a correspondent for the North Vietnamese newspaper Quan Doi Nhan Dan that he had no alternative but surrender because of Saigon's crumbling defenses. "We sincerely rejoiced at your speedy victory," Minh was reported saying.

At the same time, the United States prepared to remove more than one-fourth its troops from Thailand in the next two months as a major step toward total military withdrawal from Southeast Asia.

Thailand requested that the troops leave as part of its efforts to juggle leftist politicians and a small insurgent movement at home and keep peace with the new Communist-controlled governments in neighboring Cambodia and South Vietnam.

The U.S. and Thai governments announced jointly that the authorized American troop strength of 27,000 would be cut 28 per cent to 19,500 in the first step. The announcement spoke of total withdrawal by year's end, but Thai Foreign Minister Chatchai Choonhavan said it would be more realistic to hope this could be accomplished by next March.

Neither government said how many of the 350 U.S. military planes remaining from the armada that bombed Cambodia and North and South Vietnam during the days of heavy U.S. involvement in the war would be allowed to stay in Thailand. American troops first went to Thailand in 1962, and by 1972 the total reached 45,000.

State Department spokesman Robert Anderson said in Washington the troop reduction does not represent any fundamental change in U.S.-Thai relations and that a 1962 American pledge to defend Thailand remains unchanged.

Both Hanoi and Saigon kept the pressure on Thailand to return about 130 U.S.-supplied South Vietnamese military planes in which refugees fled the fall of Saigon. The United States also claims ownership, and Foreign Minister Choonhavan said for the time being that his country will hold on to the planes.

Thailand is expected to let the United States take the planes away and then blame the Pentagon, but some observers believe Hanoi might use that as justification for continuing to fuel the Thai insurgency.

THE UNIVERSITY DAILY

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Trapeze, Blue Oyster Cult and Bloodrock

Concert tonight offers respite from finals

By F. DAVID GNERRE
Fine Arts Writer

Ready for that one last fling before finals? Tonight's concert at 7:30 offers a great opportunity to do just that, as Zot Presentations brings Trapeze, Blue Oyster Cult and Bloodrock to the Municipal Auditorium for a one-nighter guaranteed to please even the most jaded of rock fans.

Headlining the bill is a British quintet known as Trapeze. The group has toured the States some ten times, having become quite popular in the South, particularly here in Texas. After beginning their recording career with the Moody Blues' Threshold label, Trapeze then moved over to Warner Brothers. "Hotwire" is their latest release for the label.

Blue Oyster Cult is a prototypical metal band with some truly blistering records to their credit. Their first album, "Blue Oyster Cult," is a continuous cloudburst of heavy metal rain. Those who are still wondering what the term "heavy metal" is all about should consult this record. Released in 1972, it remains a definitive statement in the style.

Subsequent albums have been progressively less scintillating but all have their moments. "Tyranny and Mutation" is brilliant from a technological standpoint but doesn't burn as brightly as "Blue Oyster Cult." It does contain "Hot Rails to Hell," a real rush of blazing intensity and probably the all-time BOC song. "Secret Treaties" is my least favorite BOC album, although it's still better than a good 75 per cent of the contemporary product on the market. It's more melodic than previous efforts, and even has a sense of humor — "Dominance and Submission" has always struck these ears as being quite funny, as if BOC realized that all this violence and doom and satanism was just a little on the absurd side.

The latest BOC album, "On Your Feet or on Your Knees," is live, and although I still prefer the original versions of these songs the ones here are not at all bad. Included are their best titles and the previously unavailable "Born to be Wild" (the Steppenwolf song), which contains that line about "heavy metal thunder" and is a perfect vehicle for the conveyance of BOC's basic stance. I can't wait to hear this and other BOC blitzes in person. It ought to be great.

Also sharing the bill will be Capitol recording artists Bloodrock.



Trapeze

Six to receive commissions in joint service ceremonies

The following Army ROTC cadets will receive commissions in the United States Army as Second Lieutenants at the joint Army and Air Force ROTC Commissioning ceremony at 2 p.m. May 17 in the University Theatre.

Duncan M. Burkholder will be commissioned a Second Lieutenant in the Field Artillery. He is a Zoology major, a Distinguished Military Graduate, and the husband of Mrs. Melanie Lee Burkholder, 4918 57th Street, Lubbock.

Douglas A. Gilbert will be commissioned a Second Lieutenant in the Infantry. He is a Speech major, a

Distinguished Military Graduate, and the son of Mr. and Mrs. Don Gilvert, 1310 Elm Street, Dalhart.

Russell F. Nelms will be commissioned a Second Lieutenant in the Air Defense Artillery. He is a History major, a Distinguished Military Graduate, and the son of Mr. and Mrs. Dewey Nelms, 48 Riverside, Roswell, New Mexico.

Norman L. Piwonka will be commissioned a Second Lieutenant in the Infantry. He is a Zoology major, a Distinguished Military Graduate and the son of Mr.

and Mrs. Milton M. Piwonka, Route 1, Box 26, Slaton.

Allen L. Stidger will be commissioned a Second Lieutenant in the Military Intelligence. He is a Political Science major, a Distinguished Military Graduate, and the son of Mr. and Mrs. L. H. Stidger, 1910 71st Street, Lubbock.

Beauregard A. Wendt, Jr., will be commissioned a Second Lieutenant in the Transportation Corps. He is a Management major and the son of Mr. and Mrs. B. A. Wendt, 3530 Aberdeen, Houston.



Blue Oyster Cult

Assistantships announced

The Graduate School announced Monday the recipients of thirty-nine summer research assistantships. According to James V. Reese, Associate Dean of the Graduate School, the main purpose of the awards is to encourage faculty - graduate student interaction.

Applications were judged on level of student study, soundness of the proposed research program, qualifications of the investigators, and research plan, with special emphasis on completion of project, joint preparation of manuscripts and publication of results.

Following is a list of those students receiving assistantships, their departments and the professors with which they will be working. Receiving from the School of Medicine, Department of Anatomy, is Judy L. Land (Professor Donald L. Wilbur).

Department of Engineering assistantships went to: S.M.A. Majid (Professor David C. Bonner); Keh-Shew Lu (Professor Kwong-Shu Chao); Young-Pil Park (Professor Clarence A. Bell); Wesley W. Shipley (Professor William J. Huffman); and John L. Whited (Professor F. Walkup).

Receiving assistantships from the College of Education are: Joanne V. Amandes (Professor Betty L. Criscoe); Louadah Waggoner (Professor Sue M. Kiniry); and Cynthia L. Brewer (Professor O. P. Esteves).

Assistantships were also given in the College of Agricultural Sciences, Department of Entomology, to

James V. Moody (Professor David E. Foster) and in the College of Home Economics to Kathy Glenn (Professor Julian H. Williford Jr.)

Also receiving assistantships were: in the College of Business Administration, Rajesh Kakar (Professor John T. Sennetti); Department of Biological Sciences, Harold A. Simmons (Professor Murray W. Coulter); David Lee Cox (Professor Clarence L. Baugh) and R. Terry Spohn (Professor Raymond C. Jackson); Department of Classical and Romance Languages, Lee A. Daniel (Professor Robert J. Morris).

From the Department of Chemistry, receiving were Gregory L. Kuykendall (Professor Jerry L. Mills); Mohinder S. Kang (Professor John A. Anderson), Cheng-Wen Tsai (Professor Gary L. Blackmer), and John-Gun Lee (Professor Richard A. Bartsch).

Department of Economics, Rahmat Niknam (Professor Lewis E. Hill) and Rebecca H. Schwartz (Professor James E. Jonish).

Others receiving awards were Department of English, La Donna M. Womochel (Professor Warren S. Walker); and Karen DeWees (Professor Joseph J. Mogan); Department of Geosciences, David D. Proctor (Professor Patricia V. Rich); Department of History, Wayne N.

Cox (Professor Benjamin H. Newcomb) and John A. Edwards (Professor Harry A. Jepsen, Jr.).

Assistantships also went to Department of Mathematics, Richard C. Woodcock (Professors Thomas G. McLaughlin and Harold R. Bennett), Ira T. Elder (Professor Paul Nelson, Jr.) and Richard Denman (Professor J. Dalton Tarwater); Department of Political Science, Dixie F. Mercer (Professor Murray C. Havens).

Department of Psychology assistantships went to Randolph A. Smith (Professor Philip H. Marshall); Beth Grossman (Professor Clay E. George); Joseph M. Schwartz (Professor Jack L. Bodden); Ramiro Villegas (Professor Robert W. Bell); and Catherine McGrogan (Professor Leonard E. James).

Receiving assistantships also were Department of Sociology, Gail E. Eaton (Professor Peter L. Heller); Department of Speech and Theatre Arts, Carrol R. Haggard (Professor Vernon R. McGuire) and Coleman L. Lemmons, Jr. (Professor Keith V. Erickson).

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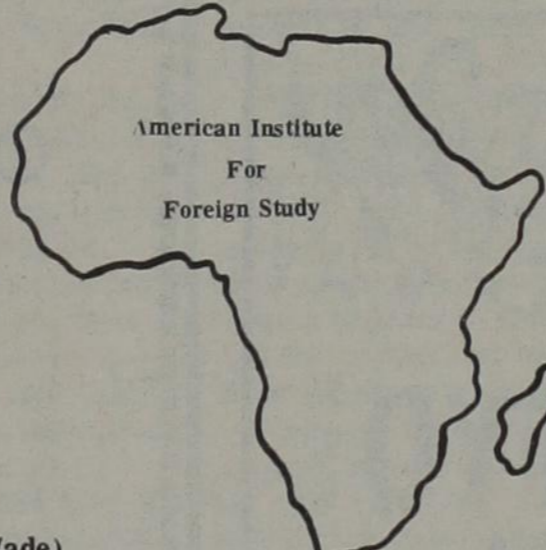
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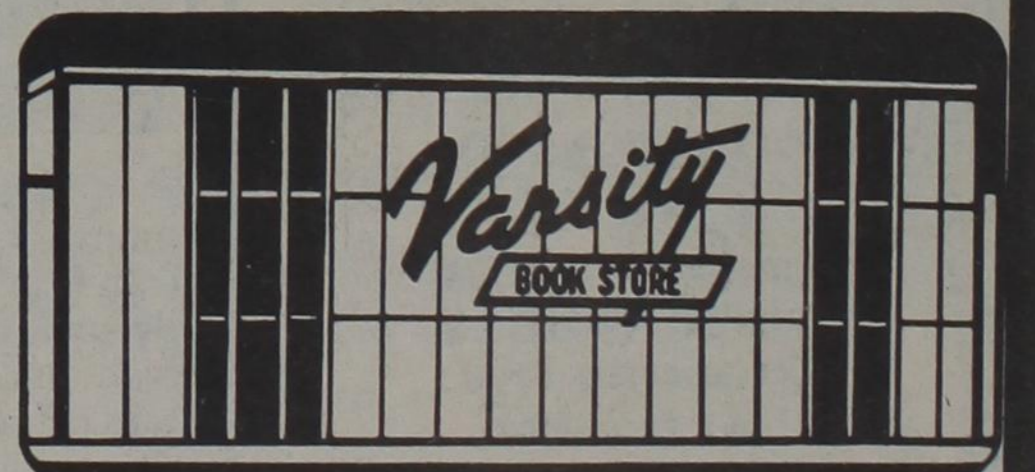
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Mike Hallmark

Hindsight 20-20

Lose a few, lose a few, live and learn, graduate and forget. Great advice except that this reporter isn't graduating and one doesn't forget the memories accumulated in four years.

I've tried with this column this year to bring a human approach to give my readers a chance to feel they know the man behind the byline. Some of them felt the man behind the byline was too human and let loose with some great criticism. Much of it was warranted and appreciated, especially the ones who signed their names.

One of the tragedies around the office this year was the theft of the catsup and salt packets which were mailed to me from a man in Roswell, N. M., stapled to my now infamous "Breather" column. I knew there might be a food shortage but those little packets had become very special to me as a reminder that not everybody always thinks my opinion is so great. Especially in New Mexico after the 20-20 tie.

That New Mexico game also spawned other memories for me. Like Jim Carlen wanting to suit all 160 pounds of me up against the Lobos. The "Breather" column got me on his bad list after that and I've since been told by some players that he told them not to talk to me because I was a troublemaker. No wonder those road trips got so lonesome at times. Thank goodness I didn't have to keep curfew at least!

Still one of my best memories happened in the midst of that New Mexico nightmare. After the tie the team was trotting off grim-faced up a ramp and I stood at the edge across a plank in case anybody felt like punching sports writers.

Flanker Lawrence Williams left the rest of the players and came across the plank to where I stood and shook my hand and said, "Don't worry about it man, you didn't have nothing to do with it." The next week Williams caught three touchdowns against Texas to spark the win.

And then there are the lighter moments, many of which have to do with my travel problems. Never being one to keep a curfew I sometimes have trouble getting up in the morning. I once missed a bus with the freshman football team and ended up waiting seven hours in Weatherford, Tex., for a bus back to the Hub.

And then there was my first trip with the basketball team to Houston which got me started on the right foot with Coach Gerald Myers. I flew in on the Joe Namath bomber (it comes in high at four a.m.) and misses the plant out of Houston. If it hadn't been for Bob Nash and Jack Dale of KFYO Radio I'd probably still be haggling with the taxi driver who was holding my luggage until I came up with the \$20 fare. Of course, I paid for my sins as I had to learn to play hearts while waiting on the next flight to Lubbock. It got to where no Tech team bus or plane took off without first asking the universal question, "Is Hallmark on board?"

I began four years ago as a freshman when I walked in to Miller Bonner's office (then UD Sports Editor, now the pride of the Avalanche-Journal) and volunteered. Bonner, in his own inimitable way said, "You bet. You cover the soccer game Saturday." I jumped at the opportunity and immediately went to the library to get a book which explained soccer. I knew it was kind of like hockey except without ice. Bonner said just talk to Alfredo Guzman after the game. He said I couldn't miss him as he had a big mustache.

I went to the game and every guy but one had a mustache. Finally finding Guzman who I had been told hailed from Mexico City I managed to get across the point that I was from the campus newspaper after a lot of hand waving and facial expressions. Guzman looked at me for a moment, then replied classically, "What's wrong man, don't you speak English?"

This column makes me nostalgic for my sophomore year when everybody had their own column with a cute name. Bonner had "Miller Highlights", Eddy Clinton (now KCBF Sports Director) had "Idle Thoughts", Brooks Tinsley (now also with the Avalanche-Journal) had "Babblin' Brooks" and I had "Hallmark Remarks." But times have changed and the window where Clinton used to come up with most of his idle thoughts while watching the honeys walking by now opens out on the construction of the new Mass Communications Building. I did see a cute construction worker the other day but somehow it's just not the same.

I had my run-ins with departed Coach Jim Carlen. I got caught with my pants down a little in believing what the man told me about the Peach Bowl ticket situation. I'll just comment I think Tech is a lot better off with Steve Sloan who I think will do a lot to get the University national exposure. Nuff sed.

This is not a true farewell column as I will be back to write columns next fall but Jeff Klotzman will be the new sports editor. Klotzman carries on the tradition of sports editors under six feet tall which Tinsley began and I have carried on. Joe Gulick will be his assistant while doubling as movie reviewer. I reviewed a movie for a class a couple of years ago and drew a letter to the editor telling me to stick to sports. But, I still didn't like the movie.

Kirk Dooley will be back also and he is a good feature man who I think Klotzman plans to assign lots of first person narratives. I think he is going out for fall two-a-days in football and then he'll drive a dragster and maybe jump out of a plane. I don't think Klotzman likes Dooley come to think of it.



Double T-shirt

Lubbock cartoonist Dirk West is expanding his talents from the sports page to the T-shirt craze. Tech cheerleaders Susan Robinson and Eloy Villafranca model the latest in Southwest Conference wearing apparel which will be available in the fall. (Photo by Darrel Thomas)

Wilt's wonder women prepare for Olympics

LOS ANGELES (AP) — Wilt Chamberlain has tried to mold into the masses as just another citizen, avoiding as much publicity as a 7-foot-1 former National Basketball Association star can. But there's one place he often can be found — at track meets where Wilt's Wonder Women compete.

Although he won't talk about his days as an NBA star because, according to his attorney, he "answered so many dumb questions," he loves to talk about track and the team he sponsors.

"Track has always been my No. 1 sport, but it didn't take me long to realize I couldn't make as much money in track as I could in basketball," he said recently.

"My club is the old La Jolla Track Club which went out of business," said Chamberlain. "My goal is to give those girls and women a chance to compete on a level where they can prepare for the Olympics if they want."

"I first realized there was a problem with women's track back when I was in high school. I competed at the Penn Relays one year, and when I got there I realized there were no female events. Well, my sister Barbara, when we were in high school, was a great athlete.

"She was a sprinter and very fast. I think she could have been another Wilma Rudolph, but there was no place for her to compete, so she never developed like she could have.

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Red Raider shortstop second in SWC batting championship

By JEFF KLOTZMAN
Asst. Sports Editor

Raider shortstop Ronnie Mattson came in second place in the SWC batting race behind Keith Moreland of Texas.

Mattson batted .411 in 95 at bats while Moreland hit .416 in 101 at bats. Mattson had 39 hits, scored 18 runs and 21 RBI's. Included in his hitting totals were four doubles, five

triples and one home run.

Moreland had 42 hits and 27 runs. The Texas third baseman came up with seven doubles — tops in the conference — two triples, four home runs and 28 RBI's.

Al Thurmond of Texas A&M came in third in the race with a .409 average. He was followed by Texas' Mike Anderson at .404 and Tech's Paul Johnston with a .400 reading.

Johnston had 20 hits in 50 appearances at the plate. He had four RBI's and scored 11 runs. Johnston's totals included six doubles and two triples.

Texas' Jim Gideon led the league in pitching with 62 innings pitched and a 2.03 ERA. Gideon gave up 49 hits, 19 runs, walked 22 and struck out 50. His record was 7-0.

Behind Gideon were two other Texas pitchers, Richard Wortham and Martin Flores. Wortham was 7-0 with a 2.53 ERA and Flores was 5-0 with a 1.19 ERA.

Val Morin paced Tech's pitching corps in ninth place. Morin had a 6.11 ERA in 28 innings pitched and a 3-1 record. Morin gave up 28 hits, 19 earned runs, struck out 22 and walked 23.

Other Tech pitching leaders were Mark LePori with a 4.38 ERA and Lloyd Cummings with a 5.40 ERA.

Morin was Tech's top strikeout pitcher with 22 in 28 innings pitched for a 7.07 nine-inning average. Jon Davidson had 20 strikeouts in 302-3 innings for a 5.86 average while David Runkle had 24 in 38 innings for a 5.68 average.

Chisox pitching tandem blamed for terrible start

CHICAGO (AP) — Only three seasons ago, Wilbur Wood and Stan Bahnsen were at the crest of their pitching careers. Wood was 24-17 and Bahnsen 21-16.

The Chicago White Sox had finished second in the American League West, and all signs were "go up."

Since then, however, it has been a backslide for the White Sox and for Wood and Bahnsen.

The terrific tandem slipped in 1973 when Wood posted a 24-20 record and Bahnsen was 18-21. Last year things became a bit stickier. Wood again won 20 games for a fourth straight season but lost 19. Bahnsen was 12-15.

This year, the ineffectiveness of Wood and Bahnsen seems to be the basis for the White Sox' disastrous start.

Bahnsen is 0-4 and relegated to the bullpen, and Wood has a 1-5 record.

What's wrong? "I wish I knew" said Manager Chuck Tanner. "Bahnsen has pitched 18 innings and given up 17 walks. He keeps trying to guide the ball after he gets into trouble when he gets hit."

"It's heart-breaking, because once we get him out of the game, he throws the ball out of the seams on the sidelines. I hate to take him out of the rotation, but, as of now, I have no choice."

What about the fabulous



Heavy weight

Tech head coach Steve Sloan presents the off-season weightlifting award to Ecomet Burley who won the heavyweight class. Awards for both weightlifting and running were presented at halftime of the Red-Black game Saturday night. (Photo by Larry Jayroe)

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Early detection key to surviving breast cancer

By JOANNA VERNETTI
UD Reporter

Breast cancer, even the words, sends chills up the spine of every woman. However, breast cancer will be more than just two words for one out of every 15 women in the United States this year. Breast cancer strikes about 89,000 women per year and causes 33,000 deaths. Breast cancer is the leading cause of death in women from 40-44, and the second leading cause of death in women of all other age groups, according to the American Cancer Society.

BREAST CANCER can also strike men. However, only one male develops cancer for every 100 female breast cancer victims.

Breast cancer remains a frightening and puzzling disease. No cure nor prevention for breast cancer has been discovered. The only treatment for breast cancer is the removal of the afflicted breast or breast tissue.

Although no cure or prevention is known, medical research has indicated that some women have a greater risk of developing breast cancer.

Some of the factors which place a woman in the higher risk category include marital status, number of children, family history, age, and race.

The most important factor in determining the possibility of a woman's developing breast cancer is her family history. If a woman's mother, sister, or aunt had breast cancer, she is a higher risk.

WOMEN WHO are also in the higher risk category are unmarried women, women who have never had any children, and women who have had only one or two children.

Other high risk factors are having the first pregnancy after the age of 25, starting menstrual periods before the age of 12, and having menstrual periods more than 30 years.

Women with a history of cystic disease of the breast are also more likely candidates for breast cancer.

The incidence of breast cancer is highest in Caucasian women, then blacks, and then orientals.

Death rates from breast cancer are low in the U.S.S.R., Japan, Far Eastern Asia, Africa, and the Caribbean. Deaths are highest among Jewish women and upper socioeconomic groups.

HOWEVER, ONLY 20 to 35 per cent of the lumps found in the breast are malignant. Early detection of breast cancer is of primary importance.

If the cancer is discovered in the early stages, the woman's chances of survival are enhanced greatly. If the cancer is diagnosed and treated in the early stages of growth, the survival rate for five years is 85 per cent.

The real heartbreak of breast cancer is that too many women discover the lump after the cancer has already spread to other parts of the body.

IF THE CANCER has spread to the axillary lymph nodes, the five-year survival rate is decreased to 40-45 per cent.

The importance of early detection is vital. According to the American Cancer Society, 95 per cent of all breast cancers are discovered by the women themselves. Many times though by the time the woman finally discovers the lump, the cancer has already spread to the lymph nodes.

Doctors are now stressing the importance of monthly breast self examination as the best way to find cancer in its early stages. Many times the woman is unaware she has breast cancer, because the lump is not painful, and often no visible signs are evident.

TO PERFORM breast self-examination, a woman should follow the steps outlined under

the illustrations. The breasts should be checked once a month after the menstrual period. Women should also continue the examinations after menopause.

Nurses at the Tech Student Health Center are trained to teach students how to examine themselves. Dr. Betty Tevis, Tech associate professor of women's physical education and an active American Cancer Society volunteer, said she will present a program and film on breast cancer to any group on campus.

Other diagnostic tools which are being used to detect cancer are mammography and thermography. Mammography is an x-ray that can show a cancerous mass in the breast before it is discovered as a lump. Mammography is used primarily for women who are in the high risk category and have a family history of breast cancer.

THERMOGRAPHY is a relatively new detection method in which infrared photography is used to detect the heat pattern emitted by a breast tumor.

According to Dr. Harold Warshaw, Lubbock general surgeon who performs 15 to 20 mastectomies (removal of the breast) a year, thermography shows increased heat from the breast if a lump is present, because the breast tissue is receiving an increased blood supply and the skin temperature is therefore elevated.

Thermography is now being used in many cities for screening large numbers of women. The nearest thermography center is in Houston.

ONCE A LUMP has been discovered, the woman should go to her doctor immediately. The importance of seeing a doctor quickly could make the difference between life and death.

When a woman finds a lump, often she becomes frightened and delays going to the doctor. By procrastinating, she is decreasing her chances for survival and denying herself peace of mind if the lump is benign. Lumps in the breast are benign 65-80 per cent of the time.

Even skilled doctors usually are not able to determine whether the lump is cancerous simply by feeling it, Warshaw said.

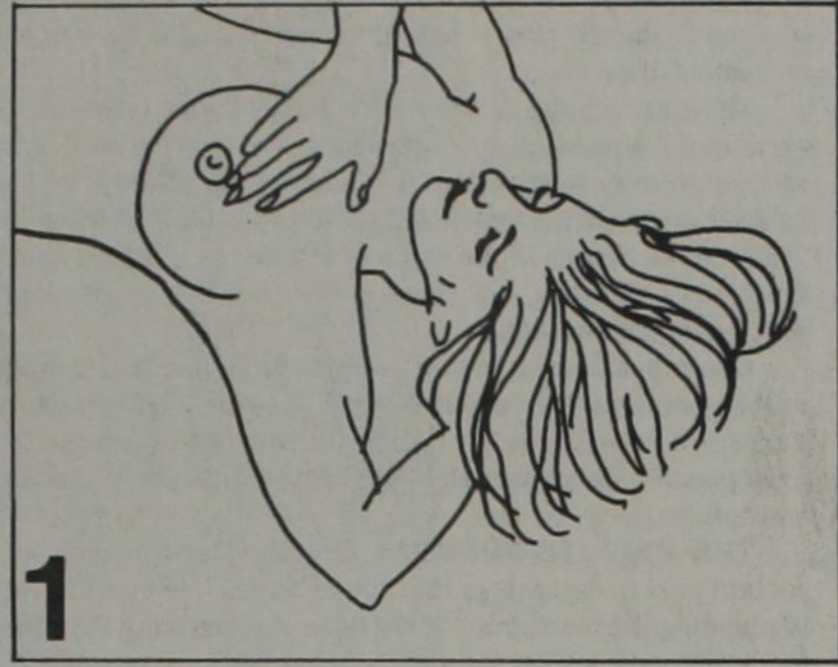
IF THE DOCTOR can draw fluid from the mass, he usually does not order a biopsy, removal of the lump. If the lump has fluid, it is usually a cyst, Warshaw said.

If no fluid can be drawn or if the doctor suspects cancer, he will order a biopsy. During the biopsy, the lump is removed and sent to the lab for microscopic examination.

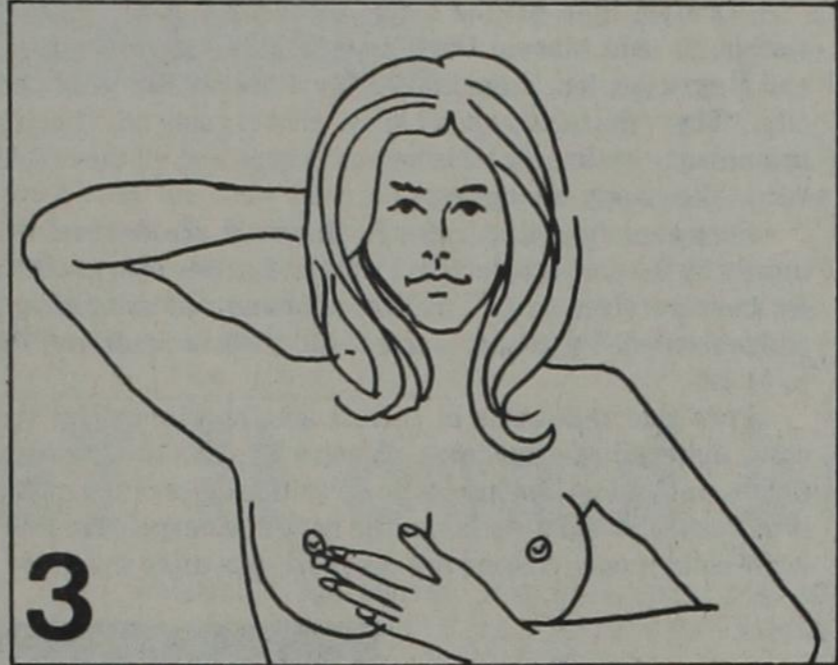
A frozen section of the lump tissue is made and within five minutes the lab technicians can determine whether the lump is cancerous, Warshaw said.

IF THE LAB reports the lump is benign, the surgeon closes the incision. If the tissue is malignant, the surgeon removes the breast while the woman is still on the operating table.

Presently, the best method of performing breast cancer surgery is being debated by the medical community. Many surgeons advocate the traditional radical mastec-



1



2

omy, where the woman's breast, pectoral muscles, and lymph nodes are removed.

Other doctors now are arguing that a modified radical mastectomy is sufficient to remove the cancer and still avoid major scarring.

In a modified radical mastectomy, the breast and axillary tissue are removed. **ANOTHER TYPE** of surgery is a partial mastectomy or lumpectomy, in which only a portion of the breast is removed.

The medical profession has not yet agreed about the most successful surgical method. In Lubbock, 300-500 mastectomies are performed per year. Almost all the mastectomies performed in Lubbock are radical mastectomies.

Even with a radical mastectomy, a woman often can wear an evening gown without the scar showing, Warshaw said.

A MASTECTOMY is one of the most frightening experiences in a woman's life. After a mastectomy, the woman is not only forced to realize she has cancer, but she also has many doubts whether she can ever be a complete woman again.

The knowledge that she has lost a breast can destroy her sense of femininity. She wonders if her husband will ever love her again. If she is unmarried, she wonders if she can ever hope to have a husband.

"Women often think, 'Why me? why did this happen to me? what did I do to deserve this?'" said Terese Lasser, who has had a mastectomy and is national consultant and coordinator for the Reach to Recovery program, an organization of women who have had mastectomies.

THE AMERICAN woman fears breast cancer, because the American culture has put such a premium on the breasts as being necessary to a sexually complete woman, said Lois Sonstegard, clinical nurse specialist at the Tech Med School, who was a counselor for cancer patients

at the University of Minnesota and in New York.

Sonstegard said the woman often needs counseling to help her realize she can return to being a normally functioning woman.

"The first thing you think I have lost a breast, then you think I've got cancer," said Mrs. William D. Armstrong, a slender, attractive mother of two children, who had a mastectomy two years ago.

ARMSTRONG SAID the woman naturally worries whether having her breast removed will affect her marriage. "If it is a good marriage, it will strengthen it," she said. "If he is the right type of man, he will accept it." A mastectomy can bring a couple closer together, she said.

She said in some cases the husband cannot accept the mastectomy and leaves the wife. However, most husbands will stay with their wives and consider themselves lucky to have their wife alive, Armstrong said.

If a single woman has a mastectomy, she may suffer even more anxiety. She will question whether any man can now find her attractive.

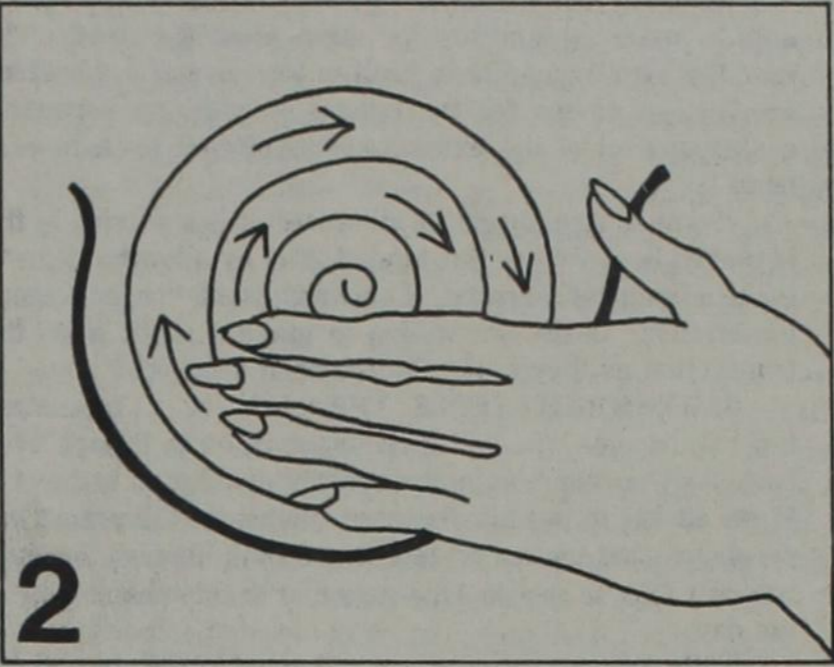
"A mastectomy is no bar to romance, to love, and to marriage. Hundreds of unmarried women have married for the first time after breast surgery," Lasser said.

"RATHER THAN being less a person after this operation, a woman's femininity can be enhanced, her ability to love increased, her awareness of her womanhood heightened," Lasser said. "You are the same woman you always were."

"Women who have breast surgery have a chance to prove that genuine love is not based solely on physical attributes. They can grow in love of others. They can show woman's great capacity to give love and warmth," she said.

"A man falls in love with more than your body," Lasser said.

Although breast cancer in college-age women is fairly



3

Self-examination for breast cancer

Illustration 1: While showering or taking a bath, examine your breast. Then after the shower, do a more thorough check. Lie down. Put one hand behind your head. With the other hand, fingers flattened, gently feel your breast. Press ever so lightly. Now examine the other breast.

Illustration 2: This illustration shows you how to check each breast. Begin and follow the arrows, feeling gently for a lump or thickening. Remember to feel all parts of the breast.

Illustration 3: Now repeat the same procedure sitting up, with the hand still behind your head.

to Recovery volunteer, said she talks to the woman, but more importantly listens to her and tries to give her confidence.

When a volunteer visits a patient, she must wear a figure-fitting dress or a pant suit, Armstrong said.

"The patient will automatically be judging you and wondering if she can ever look like that," Armstrong said.

The volunteer will demonstrate exercises which the woman can perform to regain strength in her operated side.

THE PATIENT will also receive a free kit containing a manual about rehabilitative exercises, a ball and other exercise equipment, and a temporary breast form.

Before the volunteer visits the woman, she finds out the patient's bra size. She brings a temporary breast form in the appropriate size for the woman.

Medical researchers have found no correlation between breast size and an increased chance of having breast cancer.

Permanent breast forms are available in local department stores in Lubbock, Armstrong said. When a woman is wearing her permanent breast form, no one is

able to tell which breast has been removed.

Armstrong said she is able to wear the same bathing suit and clothes she wore before the operation.

HOWEVER, A woman who has had a mastectomy must realize that she can develop cancer again anytime. The cancer may not have been completely removed.

She must recognize it might have already spread outside the breast area before the surgery. Also women who have had breast cancer have a much greater chance of developing other types of cancer.

Armstrong said she still has checkups every three months. The frequent checkups will continue for five years.

Research is continuing on causes and prevention for breast cancer, but no cures have been discovered yet.

Performing monthly breast self-examination is the best advice for women to help lower the number of deaths caused by breast cancer.

If the lump is detected early enough, the woman's chance of survival for five years is 85 per cent.

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An examination of the American way of death

By LARRY CAMPBELL
UD Reporter

The body lies still and peaceful, surrounded by satin and velvet and dressed in coat and tie. Friends and family file by, tears in their eyes.

The scene is a familiar one. The funeral is an integral part of American culture, though most Americans are reluctant to face up to the reality of death. "They don't want to think about dying," said J. Walter Cartwright, professor of sociology.

"Traditionally, the funeral is a very important social occasion. It provides a means for solidifying the social bond. When death occurs, at least according to the old gospel song, there's a break in the family circle, and the function of the funeral is to re-form the broken circle without the deceased," he said.

ACCORDING TO CARTWRIGHT, the surviving members of the family share in a new experience in the burial of the deceased. They can support one another and reunite the circle on a new basis, without the dead person.

"Socially, those who grieve support one another and form the social bond, and as such the funeral is not an insignificant part of life for the survivors," Cartwright said. "I think this is one of the functions of the open display of grief in a funeral."

"However, in the case of many, many American families who never get together except on the occasion of death, family members say, 'Isn't it a shame that this is the only time we ever get together. We ought to get together more often,'" Cartwright said, "but they never do."

AMERICANS ARE WILLING to pay high prices for this restoration of the family circle, more often referred to as paying respects to the deceased. A typical funeral in Lubbock could cost from about \$500 to more than \$5,000. Cartwright feels that this willingness to pay such high prices may stem from guilt feelings on the part of the survivors. "They may

have neglected the deceased in some manner," he said.

This guilt means that the person will feel better if he is able to make a sacrifice for them after the death. The sacrifice usually manifests itself in the form of a monetary sacrifice in paying for the funeral service, an expensive casket and all of the extra services offered by a funeral home.

"Some funeral directors either feel it is a service to the bereaved to overcome this kind of grief by allowing them to make a financial sacrifice," Cartwright said, "or, on a more materialistic basis, are willing to make a profit from the transaction as they make the financial sacrifice."

CARTWRIGHT TELLS THE story of a prominent funeral director who had a customer come in to look over caskets. The man was quite wealthy and asked to have a \$5,000 casket to put his deceased mother in. The most expensive casket the undertaker had on the floor at the time was only \$500, so he asked the customer to come back later in the day.

While the customer was gone, the undertaker ripped out

'Some funeral directors...feel it is a service to the bereaved...by allowing them to make a financial sacrifice...'

the lining of the casket and replaced it with more expensive and more ornate satin and lace. When the customer returned, he was presented with a \$5,000 casket.

"The undertaker was not prepared to offer that kind of service until someone came along and demanded it," Cartwright said. He added that such occurrences are the exception rather than the rule.

CARTWRIGHT EXPLAINED THAT burial in the ground has not always been the standard method of disposing of

bodies. American Indians and certain other tribal societies placed bodies on platforms in the air to be spirited away by an eagle. Burial at sea has also been popular at certain periods of time.

The most popular alternative to burial today, however, is cremation, according to Cartwright. Cartwright said that cremation may involve burial of the ashes, storage of the ashes in an urn in a mausoleum, or in some cases, storing the ashes on the mantel of the home of a survivor. "I don't think that's very common, but every once in a while it does happen," said Cartwright.

Cremation has yet to take an important place in funerals in this country. Only about one per cent of all funerals in Texas are cremations. In California, where the practice is most popular, only about eight per cent of all funerals involve cremations.

THE PRIVATE FUNERAL director plays a very important part in funerals in the United States. He is in charge of planning the mechanics of the funeral, preparing the body for burial and selling the family a casket.

"Our job is to get the whole mechanics of the funeral working," said Marvin Porr, funeral director, embalmer, and mortician for Franklin-Bartley Funeral Home in the city. "They (the family) don't know what is going on. They're beginning to realize that this person is gone and all they have left is the happy memories."

Porr explained that costs for funerals are determined mostly by the casket selected. Franklin-Bartley charges \$585 for their services, which include a limousine, embalming, and personnel. The casket is extra, and costs range from \$125 to \$4,250.

Porr said that costs of coffins are determined by the outer material and the lining. Cheaper caskets are made of light weight metal, and prices go up as thickness of the metal is increased. Wood models are the next most expensive line, while solid copper caskets are the most expensive available.

THE INTERIOR OF THE casket also determines the price. Linen, silk, satin and velvet are used for linings. Velvet is the most expensive lining available, and is found in the \$4,250 model.

Porr explained that any casket costing over \$577 is of the "sealer" type. Between the lid and the bottom of the coffin is a rubber gasket designed to keep out air and moisture. The most expensive models are "double-sealers," with two lids with rubber gaskets.

Funeral traditions have remained fairly constant in this part of the country, according to Porr. "In this part of the country funeral customs have not changed that much in the last 20 years. The most drastic change in this part of the country is that people, both the funeral directors and the deceased, have quit wearing black suits."

PORR SAID THAT HIS funeral home averages only about 3 or 4 cremations out of about 150 adult funerals a year. He attributes the low number partly to proximity of the nearest crematory. He said that the closest crematory is in Dallas or Fort Worth.

Porr feels that dishonesty in the funeral business is rare, even in cities as large as Dallas and Houston. "All five white funeral homes and all three black funeral homes in Lubbock are very reputable firms," he said. "The difference in funeral homes is the service."

Texas law requires all morticians to be licensed. Three people must recommend a candidate, he must be examined by a member of the licensing board, and he must be recommended by a funeral home. A license can be revoked at any time for unscrupulous behavior.

"There is a tendency," said Cartwright, "because of our desire to masquerade death, to put on a kind of illusion of beauty, to have the corpse dressed up, perhaps the most dressed up it's ever been... which is a kind of unreal state."

"What we do," countered Porr, however, "is force them (the survivors) into realizing the person has died."

Determinism cited as factor in crime rate

By LISA WARMAN
UD Staff

There is a growing trend in our society to reject the idea that individuals are responsible for their actions or that they are capable of making free choices.

This trend is expressed by Francis A. Schaeffer in his book "Escape From Reason." Schaeffer says the philosophy of any given society at any point in time is largely responsible for the way in which people reason and justify their actions.

According to Dr. Clay George of Tech's psychology department, it is this growing trend toward determinism which is, in part, due to the rise in the crime rate over the past decade. "It may give many people a subconscious justification for their illegal action," he said.

Daniel O. Nathan, assistant professor of philosophy at

Tech, said, "Basically there are three major philosophical perspectives which would relate to the crime rate. All of these are evidenced in our society today to some extent."

The first philosophy outlined by Nathan is that of determinism. "This is a view that has recently obtained much importance and impact in the United States."

"Under the concept, all human actions are determined by a precluding causal chain. There is no free will."

Schaeffer expresses it in this way: "Previously (before 1700), determinism had almost always been confined to the area of physics, or in other words, to the machine portion of the universe."

"It is important to notice that the uniformity of natural causes in a closed system has become the dominant philosophy among scientists."

Nathan said, "Obviously criminal or moral responsibility is meaningless here. 'With such a view, punishment can be justified, if at all, only on utilitarian grounds — the greatest good for the greatest number. This would include punishment in order to prevent chaos and anarchy in society."

"There is, however, a problem with utilitarian justification for punishment. It could be used to justify punishing the innocent or incarcerating people who seem even likely to commit crimes, even though they had not done so as yet."

"A less extreme form of determinism includes the idea of freedom from coercion or constraint. In other words, you are responsible for acts you commit when no external constraints are placed on you. (no one is holding a gun to your head, you are not hyp-

notized or under some psychotic delusion).

"The problem with this view is that even though we are free to choose, our desires, and wants, are still a function of our heredity and environment. Therefore, in this view our choices are still determined and we cannot in the end be held responsible for the conditioning that society has given us."

The third philosophy, that of free will, was the one predominant at the end of the 1700's, and had the most to do with the formation of our legal system.

Nathan explained the concept of free will: "Human actions are undetermined, and outside the causal chain."

"Human deliberation, desires and actions are free — free expressions of the self. They are not in any sense externally imposed."

"Clearly here criminal responsibility can be spoken of. Our legal system of punishment is justified under this philosophy."

Nathan pointed out a problem with this extreme concept. "A total application of this principle would mean

that everyone is responsible for every act they do, even the psychotic and neurotic individuals.

Francis A. Schaeffer, in his book "Back to Freedom and Dignity," relates to this problem by an explanation of the autonomy of man. "Man is not a part of the cosmic machine... something in man stands in contrast to the cosmic machine and allows man to make real choices." Schaeffer says, "This philosophy does not say that there is no psychological

conditioning... Chemical and psychological conditioning can be demonstrated.

But according to this (free will-individual responsibility philosophy) man is not the product of conditioning only. Man has a mind. He exists as an ego, an entity over and against the machine-like part of his being."

"In this view," said Dr. Clay George of the Tech psychology department, "Our present legal system, as it is set up, is wholly consistent with the philosophy on which it is based and should serve the purpose for which it is intended, to prevent crime."

Adoption costs under scrutiny

WASHINGTON (AP) — Baby adoption costs, which have soared because there are fewer adoptable babies at a time of easily available birth control and abortions, are coming under the scrutiny of a Senate panel.

The two-day hearings are being conducted by the Senate subcommittee on children and youth.

Reid said that "from the standpoint of those who want a child, there is an acute shortage of infants."

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School of Law to graduate 90

The Tech School of Law will graduate approximately 90 law students in a hooding ceremony at 4:30 p.m. Saturday, May 17, in the University Ballroom.

The principal speaker will be U.S. District Judge William S. Sessions of El Paso, serving the Western District of Texas.

The awards and honors luncheon is scheduled for noon, May 17, at the South Park Inn. Graduates of the Law School earn Doctor of Jurisprudence degrees.

Law School officials announced that the summer session will start with registration from 8:45 to 11:45 a.m., June 2. Classes will start the same day.



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Coliseum liquor sales policy studied

By LISA WARMAN
UD Reporter

The Executive Committee of the Lubbock Civic Centers Board in December of 1973 passed unanimously a motion that the board approve the sale of alcoholic beverages in the civic centers and the Municipal Auditorium - Coliseum complex.

According to Harold Humphries, member of the Executive Committee, the alcohol sales would be subject to stringent controls to be decided upon by the committee.

John Taylor, Tech contracting and purchasing officer, said Civic Lubbock and Tech have an agreement concerning the dates and purposes for the use of the complex. But he said the city is actually in charge of formulating its policies - including liquor policies.

The actual provisions and regulations concerning

alcohol are now only being discussed. "I wouldn't advise showing up at the next performance at the complex with a beer in your hand unless you want to get picked up by the police," said Dottie Townsend, manager of the Auditorium - Coliseum complex. "We haven't even made arrangements to apply for a license yet."

Some of the regulations under consideration by the Executive Committee, according to Humphries, include a provision that concessions would not sell alcohol at youth or church functions held in the complex. Regulations about age and display of identification would also be enforced. The manager of the civic centers would have the authority to discontinue sales of the beverage at his discrimination.

Other problems confronting

the board since the passage of the motion include those concerned with concessions. According to Humphries, it will cost taxpayers less to make one contract with a caterer for all Civic Lubbock functions on a bid basis, rather than make short term contracts for each event.

Humphries said reconstruction of the concessions for the sale of alcoholic beverages would amount to a capital outlay of \$50,000 for dispensing equipment alone. If the city bought this equipment, and later contracted for a caterer, Civic Lubbock might be left with at least \$15,000 of useless equipment.

The manner of dispensation of the liquor is another problem according to Humphries. Cans are heavy, can be thrown and are not desirable for use in the complex. He said

probably the safest and easiest way to sell beer would be in disposable cups.

The installation of liquor, the dispensers, the contracting of a caterer, and the passing of the regulations concerning the liquor in the auditorium - coliseum complex are all scheduled to coincide with the opening of the Lubbock Memorial Civic

Center the first week of April, 1977.

"We are, from a financial point of view, looking forward to the time when we can afford to activate the program which has been approved," said Humphries. "We will only delay it until such a time as reserve funds are accumulated to put forth the capital outlay required."



Outstanding student

Jose Burbano, center, of Quito, Ecuador, is the 1975 recipient of the Earl D. Camp Award as the outstanding undergraduate student in biological sciences at Tech. Congratulating him are, left, Dr. Camp, for whom the award is named, and Dr. Russell Strandmann.

Burbano will be among the 2,354 students to be awarded degrees at Tech spring commencement ceremonies May 16. He will receive the bachelor of arts degree. His major is zoology, and he hopes to study medicine.

Feeling blue? It could be depression

By JOANNA VERNETTI
UD Reporter

Is your stomach a little upset? Did you have a fight with your boyfriend yesterday? Did you lie awake half the night? Did your professor catch you daydreaming in class for the first time?

Do you feel just really down?

Depression may be the cause for your blues. With finals, research papers, and summer job applications to be finished, you may feel suddenly swamped with work. There does not seem to be enough time in the day to get all those things done.

May is a time when more people seem to get depressed. According to Betty Ross, director of Contact Lubbock, the telephone listening line, more people call in during May than any other month.

"Depression is a very common thing for everyone, especially when you have pressures," Rolf Gordhammer, director of the Tech counseling center, said.

Putting things off can cause the depression, he said. People become upset and frustrated and then they get depressed.

"It is normal to go from high to low states in your life. Everyone goes through peaks and valleys," said Bob Welsh, counselor at the Third Nail, free counseling service.

Depression is a major illness and psychiatrists estimate almost eight-million adult Americans suffer depression, according to an article in the St. Petersburg (Fla.) Times.

Although everyone suffers depression at one time or another, it becomes dangerous when it is prolonged and the person feels he is trapped with no alternatives.

The individual, experiencing a period of stress in his life, may wonder what he can do to stop the frustrations which are making him feel lifeless and despondent.

Prolonged depression can contribute to suicidal tendencies. In 1973, 24,440 people committed suicide in the U.S.

One of the most common causes of depression is loneliness. People need to know at least one other person cares for them deeply. Many of the depressed people lack an intimate relationship with someone special, Ross said.

"Everyone needs a person to tell problems to and to relate to," Gordhammer said. "People need to share feelings and be open."

Having friends can give a person support when he is searching for it," Ross said. "We are just seeking someone to listen to our problems."

After a person unburdens his feelings, he is able to see everything in a new light, Ross said.

Loneliness is not the only cause of depression. A person can also become depressed after a sense of loss. The person may have a death in his family and feel extremely depressed and grieved, Ross said.

The person can also suffer from a loss of self-esteem. Students may feel they are not living up to their parent's expectations because of poor grades, Ross said.

Students often become depressed when they are unhappy with their major or job choice, Gordhammer said. The ages 17 to 25 are a challenging, confusing time when a person must decide on the directions of his life, Gordhammer said.

The college-age student is experiencing a period of life with many conflicts.

College students may become very depressed if they are not accepted into graduate school, med or law school, Ross said.

Students also become depressed when they must make a major decision, Gordhammer said.

Another factor which may cause depression is guilt which has been directed in-

ward, Welsh said. The person develops a negative self-image and defeatist attitude.

"If a person is down on himself, he will find plenty of people to agree with him," Welsh said.

The person must realize he can raise himself out of his depression if he wants to, Welsh said. "When you are trying to help someone, you must allow the person the freedom to accept the responsibility for his actions and the situation," he said.

"You must allow them to accept their responsibility, while helping them deal with the depression," Welsh said.

An important part of helping a person is allowing them to honestly express their feelings, Ross said. The person will become increasingly depressed when he continues to bottle up his emotions, she said.

One of the questions a depressed person must an-

swer is do I need professional help to help me discard my depression.

"You need help when you get the feeling that no one else can understand," Welsh said. When a person feels no one else can possibly help him out of his situations, then the person needs to seek professional help.

"You must own up to your responsibility, and say I got myself here and I can get myself out," Welsh said. "You will have a hard time pulling yourself out if you think no one else understands."

"Withdrawal from friends and activities which you normally enjoy, is an indication of depression which may require extra help,"

Gordhammer said. If the depression is long and chronic, the person also should seek professional help, Gordhammer said.

Some signs of depression are crying for no reason, difficulty in sleeping, constant feelings of being down or moody, withdrawal from friends, and not being able to enjoy things that use to give you pleasure.

Although each person experiences depression at some time in his life, counselors say certain things can be done to avoid frequent depression.

Gordhammer suggested that students should not delay making major decisions. They should think and consider the alternatives, and then make

the decision. If a situation is causing the person anxiety, he should identify the problem and try to work it out.

The person should also learn to be aware of his internal feelings, and try to understand his reactions, Gordhammer said.

Having a friend to discuss feelings and ideas with is very important for a balanced outlook on life, he said.

People must learn to show vehement feelings in an honest and open manner, Ross said. If a person restrains feelings, he can develop ulcers, headaches, or psychosomatic illnesses.

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DOWN	1	Headgear	2	A state (abbr.)	3	Soak	4	Printer's measure	5	Wash	6	Southwestern Indian	7	Stalemate	8	Fondles	9	On the ocean	10	A continent (abbr.)	11	Bacteriologist's wire	12	Runs easily	13	Region	14	Body of water	15	One, no matter which	16	Confederate general	17	Employer	18	Suitable	19	Singing	20	Sicilian

Answer to Yesterday's Puzzle

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ARA	LEMON	OWL
WAN	INIA	FREE
DAVIT	CI	
LA	GET	CHEESE
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Merit award winner

Suzanne Eller, right, Tech senior business education major, has been named winner of the National Business Education Association Award of Merit for Outstanding Achievement at the university. The presentation is made by

Dr. Irol W. Balsley, professor of education and chairman of the Business Teacher Education Program in the College of Education.

Music students perform tonight

The Tech Department of Music will have a student recital of original compositions on conventional instruments and arrangements on the synthesizer tonight at 7 p.m. in Room 1 of the Music Building.

Students of Mary Jeanne van Appledorn will present their compositions during the first portion of the program. Original choir compositions will be "Psalm" by Kathy Babb, "Lamentation 1:20" by Mark Tavener, "Day of Wrath" by Paul Rasavage, "Psalm 116" by Barbara Barber, and "Iconoclasm" by James D. Waggoner. The pieces will be played by Ann Threlkeld, Linda Jackson, Cathy Crist, Cathy Howig, Michael Paulk, James D. Waggoner, Forrest Oliver and Randy Jordan with Darryl Knapp playing piano and Gene Kenney conducting.

Original percussion compositions are "P-fff" by Barbara Barber, "Percussion for 3" by Mark Tavener, "Image" by Kathy Babb, and "Trio for Timpani" by James D. Waggoner which will be performed by the Tech Percussion Ensemble and conducted by Ron Dyer. "Four Violin Duets" by Barber, Tavener, Waggoner and Rasavage will be performed by Barbara Barber and Patrice Barnett.

Mark Tavener will perform his work "Impromptu for Piano". "Movement for String Quartet" by Brian Gum and "String Quartet, Movement I" by Shirley Evans Warren will be performed by Barbara Barber, Patrice Blalack Barnett, Sherrill Hannusch and Karen Blalack.

The second portion of the program will consist of performances by the students of Mary Helen McCarty using an Arp Synthesizer. The synthesizer manipulates and alters sound waves by means of a board of controls and keys. Improvisations on Electronic Music Textures will be performed by Ronald Williams, Brian Gum, Barbara Barber and Kathy Babb. Performances on the Arp Synthesizer have been prepared on tape and will be played by James D. Waggoner, Mary Guarrant, Mark Tavener, Steve Hughes and Dan Hanson.

The program will be presented as one of a series of concerts and recitals dedicated to the celebration of Tech's 50th Anniversary.

Final exam schedule

EXAM TIME

7:30 - 10:00
10:30 - 1:00
1:30 - 4:00
4:30 - 7:00 p.m.
7:30 - 10:00 p.m.

Thursday, May 8, 1975

11:30 MWF
4:30 TT and all sections of BA 2307 & 2301
1:30 TT and military sciences
All sections of Chem. 135, 136, 137, & 138
6:00 p.m. TT, 6:30 p.m. TT, and Thursday night only classes

Friday, May 9, 1975

7:30 - 10:00
10:30 - 1:00
1:30 - 4:00
4:30 - 7:00 p.m.
7:30 - 10:00 p.m.

9:30 MWF
3:00 TT and all sections of F&N 131
1:30 MWF
All sections of Eng. 132
7:30 a.m. MWF, 8:00 p.m. MW. Wednesday night only classes, Friday night only classes, and Saturday only classes

Saturday, May 10, 1975

7:30 - 10:00
10:30 - 1:00

9:00 TT
All sections of Math 131, 133, 135, 137, 138, 152, 1316, and 1317

Monday, May 12, 1975

7:30 - 10:00
10:30 - 1:00
1:30 - 4:00
4:30 - 7:00 p.m.
7:30 - 10:00 p.m.

10:30 MWF
12:00 TT
All sections of Biol. 141 & 142
12:30 MWF
6:00 p.m. MW. 6:30 p.m. MW, and Monday night only classes

Tuesday, May 13, 1975

7:30 - 10:00
10:30 - 1:00

10:30 TT
4:30 MWF and all sections of Fren. 141 & 142; Ital. 131 & 132; Lat. 131 & 132; Span. 141 & 142; Germ. 141 & 142
2:30 MWF
3:30 MWF and all sections of Eco 231 and 232
7:30 a.m. TT, 8:00 p.m. TT and Tuesday night only classes

Wednesday, May 14, 1975

7:30 - 10:00
10:30 - 1:00

8:30 MWF
For requested examination of combined sections of a course

Senior grade reports due in registrar's office by 9:00 a.m. Thursday, May 15

Adoption chances dim for many

By DEBBIE NORRIS
UD Staff

About nine abused or severely neglected children who have been taken from their parents by the court are now available for adoption, said Ann Rooten, adoption worker for the Lubbock County Child Welfare Office.

"WE HAVE FAMILIES who have been waiting years to adopt babies," Rooten said. "Once in a while a mother will voluntarily give us custody of her baby. The great majority of our custodies are school-age, biracial children," she said.

According to Jim Lehrman of the Child Welfare Office in Lubbock, once a child reaches his teens, he is hard to place in an adoptive home.

Lehrman said after an adoption campaign by the Child Welfare Office, "people come here expecting to see a big pit full of babies crawling all over. Nobody wants a child after he is 12 or 13."

The Lubbock Child Welfare Office placed nine children in adoptive homes in 1974, Lehrman said. Three of the nine placements didn't work out and these children are again available for adoption, Lehrman said.

ONE OF THE ADOPTION placements that failed involved a boy who had been severely abused by his natural parents, Lehrman said. He had brain damage and has lost the full use of one of his arms and legs, he said.

Lehrman said a couple who wanted to adopt the boy was found and the placement was working out well. Then a private social welfare agency placed five Indian children in the home with the newly adopted boy.

"Within a year the couple went from zero to six children," he said. "The family fell apart.

We have custody of the boy again. He's nine now and unless he's adopted soon, he's going to be very hard to place," Lehrman said.

TECH GRADUATE STUDENT Ruth Harvey and her husband Howard are the first Lubbock couple to adopt a biracial child through the Lubbock County Child Welfare Office. They are the parents of a 19-month-old girl whose natural mother is white and whose father is black.

"We didn't care what we got as long as it was a girl under four," Ruth Harvey said. "We have two boys of our own and didn't want to take a chance on having another boy."

The Harveys have had their daughter more than a year. The placement has been so successful that they have started adoption proceedings for a four or five-year old girl, Harvey said.

"SOME PEOPLE WOULDN'T take a four or five-year old, but as far as we're concerned, it's the only way to go," she said. "A woman who wants to work can still have a family by adopting school-age children."

The total cost to adopt their daughter was \$450, Harvey said. This amount included all court costs and travel expenses.

"It's much cheaper than having a baby yourself," she said.

The natural mother voluntarily gave custody of her baby to the state when it was born, Harvey said. The child immediately became available for adoption.

IN MOST CASES, WHEN a child has been placed in temporary custody of the Child Welfare Office, the parents refuse to give permanent custody of their child to the state, Lehrman said. "They fight us from day one," he said.

Before permanent custody of the child is given to the state, the court requires the Child Welfare Office to show that every possible means of rehabilitating the family has been

tried, Lehrman said. This process usually takes a year, he said.

"Our philosophy is that the family should stay together," said Lehrman. "We try everything we know to keep the family together."

Most of the 80 children who are temporarily in the custody of the Lubbock County Child Welfare Office will be returned to their parents, Rooten said. If the parents can show that the child's basic physical needs will be met, then the child goes home, she said.

ROOTEN SAID MUCH neglect of children is due to the parents' immaturity or ignorance.

"Much of our casework is education," said Rooten. "Some parents don't know that free medical care is available or that they should feed their children more than potato chips."

When the child is in the temporary custody of the Child Welfare Office, "We work with the parents and the child the whole time," Lehrman said. "We advise the parents to get a lawyer."

A court hearing is scheduled a few days after the child is removed from the home, Rooten said. At this hearing the child is placed in the custody of the Child Welfare Office for six months to a year, she said.

A final hearing is held at the end of the temporary custody period, said Rooten. At this final hearing the child may be returned to the custody of his parents or be placed in the permanent custody of the state and become potentially adoptable.

DURING THE TIME the child is taken from his parents until he is either returned to his parents' custody or is adopted, he lives in a foster home. Foster parents are paid \$90 a month for the child's care. Tax dollars also pay his medical and clothing expenses, Lehrman said.

Children in foster care change homes an average of twice a year, Rooten said.

If a child becomes available for adoption while living in a foster home, the foster parents rarely are allowed to adopt the child, said Lehrman. "In 99 out of 100 cases the child will be adopted by someone other than his foster parents," he said.

Lehrman said when a child is placed in foster care the parents are told that the placement is only temporary and is not for adoptive purposes.

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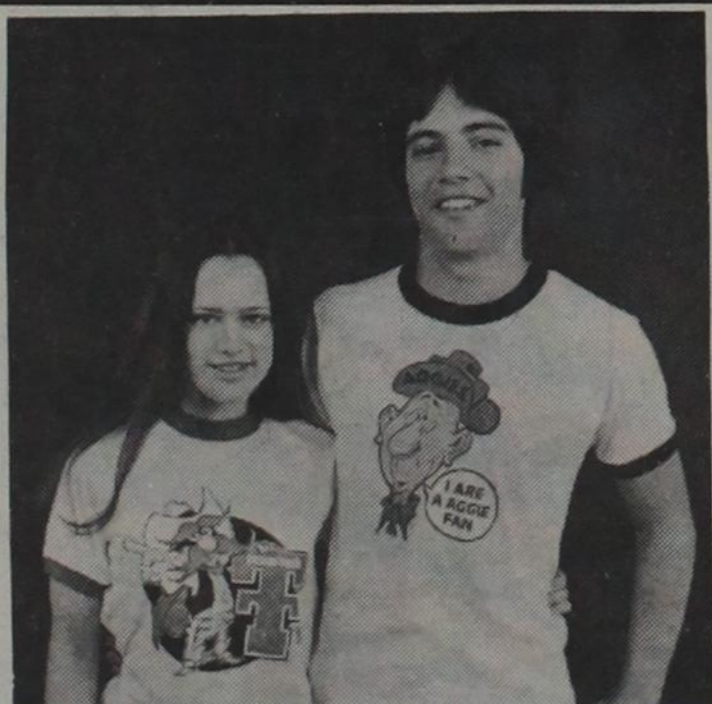
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