Manure may lead to million dollar industry

By GAIL ROBERTSON UD Reporter Almost anyone who spends any time at. all in West Texas is acquainted with the sight and smell of cattle manure.

Two Tech researchers have developed a process which could rid the scenery of mountains of unwanted accumulations of manure and at the same time, lead to the establishment of a new multi-million dollar industry.

Dr. James Halligan, professor of chemical engineering at Tech, and Dr. Robert Sweazy of Tech's Water Resources Center, have worked up a model system which converts cattle manure into a synthesis gas. The gas can then be easily converted to anhydrous ammonia, a nitrogen fertilizer used by farmers, said Halligan.

THE PROJECT IS feasible on a large-

scale basis because of the high concentration of cattle feedlots which can produce enough manure to maintain a profit-making operation, said Halligan,

Halligan said it was estimated in 1972 that 26 million feedlot cattle were marketed in the United States. In the Hereford-Dimmitt area of West Texas, feedlots with an estimated capacity of 600,000 head are encompassed with a 15mile radius.

The conversion process developed by Halligan and Sweazy not only makes use of an otherwise wasted substance, but also closes the ecological cycle.

"The cattle produce the manure which is converted to synthesis gas and then to ammonia. The ammonia is used to fertilize the grain crops which provide the feed for the cattle which produce the manure," said Halligan.

THE RESEARCHERS ARE currently exploring possibilities for expanding their bench-scale model into a full-size operation. One such possibility would make use of the old power plant located behind the campus police station. However, Halligan said use of the plant has not been officially approved.

He said once the large-scale operation is begun, Tech hopes to sell it to a private corporation.

In the past, Halligan said, the manure has just been piling up and was not used for anything. The last couple of years have seen a shortage of fertilizer, however, and the accumulations of manure have been decreasing as it has been used as a substitute fertilizer. Halligan said the fertilizer shortage has been easing the last several months and he expects the mountains of manure to

once again start growing.

The researchers estimated that from manure gathered within the 15-mile radius of Hereford, a conversion plant could produce enough synthesis gas to supply a 1,000-ton per day ammonia plant with each day's gas production worth approximately \$30,000.

"AT THE CURRENT prices of ammonia and with prices rising so rapidly, the production of ammonia will depend on manure for the future economical gains of the industry," said Sweazy.

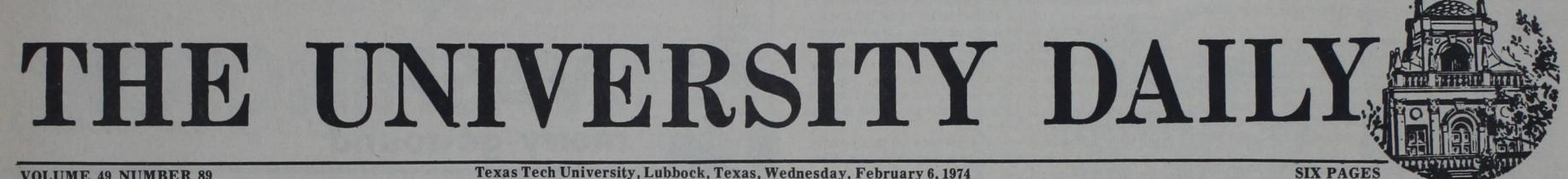
The researchers investigated the possibility of producing methane gas from the manure, but the process was too expensive to be feasible, said Halligan.

The4 Bureau of Mines studied the process of converting animal wastes into fuel oil and natural gas but determined that the process would be far too costly.

Halligan and Sweazy were able to eliminate the most costly operational limitation of the Bureau process - the demand for extraordinarily high pressures. Also to the advantage of the Tech researchers is the higher energy value of Panhandle steer manure as compared to dairy cattle. Dairy cattle manure was used in the Bureau study.

AT ANY ONE TIME there are approximately two million cattle on feedlots on the High Plains of Texas according to Halligan. All total, there would be approximately two and a half million tons of manure being accumulated per year.

Both researchers think the project has great potential both for ecological and economical standpoints. Sweazy noted the manure could become a big pollution and health problem if not taken care of.



VOLUME 49 NUMBER 89

Texas Tech University, Lubbock, Texas, Wednesday, February 6, 1974



College educators strive to enable graduates to survive in employment

By JAN MCDERMOTT **UD** Reporter One of the most important goals of

the planned mass communications building, he said.

Some universities, including Harvard, are using films and tapes to provide a more individual approach to education. In this way, a student can pursue a particular facet of a subject which interests him, even if he is the only one who is interested. Anderson is excited about the possibilities of this type of approach. Education can be made more humane by reducing the amount of time which a professor must spend in the old-fashioned method of lecturing, Anderson said. By allowing students to use films and other individual approaches, the professor would have more time to spend with small groups of students. **ONE TREND WHICH IS particularly** prevalent in Texas is competency-based education, Anderson said. This basically means that the goal of a course is for students to meet certain specified objectives rather than to merely pass a final exam. The objective is frequently to acquire a practical ability which will be helpful to the student in the job market rather than to master theoretical knowledge. "There is clearly a trend in American universities toward reducing competitive grades," Anderson said. By allowing a student to take courses under a pass-fail system, the student is freed from competition with his classmates and can instead compete with himself.

students' temptation to "apple polish." Second, it can relax some of the tensions between students and professors. And perhaps most importantly, it frees the student of the fear of taking difficult

Greased Pig

Ronnie Norman grits his teeth as he at- the events in Tech's "West World" tempts to dress a greased pig during one of Tuesday. See p.4 for related story.

Variety of class rings available

By SANDY MARTIN UD Reporter A Tech ring today is as individual as

the person who wears it. Class rings now are available in a variety of shapes, a multitude of styles and a wide range of designs. Rings may also be individualized with double Ts, diamonds, Greek letters, names or initials.

Tech rings are sold in most jewelry stores in Lubbock. The campus bookstore also handles rings, and has the copyrighted design of the official Tech ring.

The bookstore carries rings made by Jostens, who have supplied Tech rings for the past 20 years. A spokesman for the bookstore said, "We have the only official class ring available. The design has changed in the past, but it is a copyrighted design."

THE LAST CHANGE in the official class ring was made several years ago when the Matador was changed to the Red Raider. The rings now have the Tech seal with 1923 denoting the founding of the University, the Red Raider, the degree and the year on each side of the

"You can still get a ring with the old Matador on it," said a bookstore

dome shaped rings.

spokesman. "Sometimes an older graduate will lose his ring and he'll want the old style."

The bookstore offers the official ring in small, medium and large styles for men and in small and medium styles for women. The rings can be set with either diamonds or one of the 12 birthstones. A double T or Greek letters can be put on the stone for an additional charge.

MEN'S RINGS RANGE in price from \$76 to \$107. Women's traditional rings and the smaller dinner rings cost from \$46 to \$50. Diamonds cost extra, and white gold is an additional \$5.

In order to buy a ring from the Tech bookstore, a student must have 96 semester hours. The rings are ordered from Minnesota and take about five weeks to arrive. The bookstore asks the student to bring a grade slip or a fees statement to prove they have 96 hours. Jones Jewelry in the Town and Country

shopping center handles Gold Lance rings. Their policy allows any Tech student to order a ring, regardless of the number of hours he has. The rings come from Houston and arrive in three to four weeks.

Jones carries one style of men's rings. It is known as the VIP ring. A representative of Jones said, "This ring comes in a 61/2 size and several girls have ordered it." The VIP ring is unique in that it's oblong design is dominated by a center panel which is different for each major.

There are 50 panels available for the ring. Each panel depicts factors dominant in the student's major. The ring can be set with a diamond or a birthstone. The rings range from \$71 to \$107 (with a diamond).

JONES CARRIES SEVERAL styles of Gold Lance women's rings. A spokesman for the store said, "Our most popular women's ring is the Sweetheart ring." The Sweetheart ring is a marquis shaped ring with Texas Tech around the edge. It ranges in price from \$46 to \$65.

Another popular women's ring is the Contempo, a modern design with a round stone.

University Jewelry sells two brands of rings, John Roberts out of Austin and

Great Plains Building saga ends

The auction of the Great Plains Building did not occur as anticipated Tuesday, but the saga of the 20-floor structure came to an end - at least for the time being.

Gaut & Gaut Real Estate Investments of Amarillo bought the building Monday night from Realty Equities Corp. of New York. Buddy Adams of Guaranty Abstract Co. of Lubbock handled the transaction and made the announcement shortly after 2 p.m. Tuesday, the scheduled time for the proposed auction.

land facing Broadway, but not the drive-in facilities on the north side of the building. He said the building will be used as an office complex, as in the past.

"Basically, there will be no changes in the building," said Gaut. "It's possible that we will put some new glass in and make a few other minor changes, but not much more than that."

to enter the world of employment and survive," according to Robert H. Anderson, dean of the College of Education.

education today is to "enable the student

There is a trend toward helping students to acquire a liberal education and also usable job skills, he said.

THE "MAGIC WORDS" of university education today are "options and alternatives," Anderson said. There is an attempt to allow for more flexibility in requirements, thereby making each student's college experience more personal.

A Harvard professor for 19 years before coming to Tech in September 1973, Anderson said that advanced technology will be increasingly applied to education. Tech is thinking this way too, as evidenced by the computer center and

Balfour from Houston. A spokesman for

the store said that they ask students to

have 96 hours, but they don't require

In the John Roberts line there are two

basic styles of men's rings-the

traditional or dome shaped ring and the

The traditional ring is styled with the

Red Raider, Tech seal and the year and

degree. A representative of the store

said, "The traditional ring has basically

the same design as the one copyrighted

by the bookstore. There's only a little

difference, and you can find the

traditional ring in almost every store in

THE OBLONG RING has the symbol of

the school the student graduates from. It

costs \$74 and the traditional ring is

Balfour just brought out a new design

University Jewelry carries five

women's rings designs, with prices

beginning at \$54. They have the

traditional ring, the marquis-shaped

dinner ring and a newer ring with filigree

Zales handles the Haltom's line of

rings. In addition to the traditional ring,

Zales has a rectangle top ring which may

be set with a diamond or a lindy star.

This ring begins at \$89 without a

diamond. The traditional ring ranges

featuring an antique setting for a square

around \$90 for the medium size.

stone. This ring is priced at \$85.

work around the shank.

from \$80 to \$105.

them to prove it.

newer oblong ring.

town."

Anderson listed three advantages of the pass-fail system. First, it reduces the

courses which may hurt his grade average or his chances of acceptance into graduate school.

ASKED ABOUT THE PROGRESS Tech has made in relation to that of other universities, Anderson said, "The calibre of students at Tech is high enough that we should be at least not below average." But actual measurement would not be possible, he said.

All of the more liberal, individual approaches to education will test the maturity of students, but Anderson is "absolutely convinced" that the majority are capable of self direction and can meet the challenge. The few who would take a "ha-ha attitude" are the same students who presently cheat on exams, Anderson said.

Anderson is very much in favor of student evaluations of faculty members. Although some students are unfair and poorly motivated in their evaluations, on the whole the judgments of students are intelligent and serious, he said. The student is, in effect, the professor's client, and he is in the best position to judge the effectiveness of the teacher. In general, universities today are "gradually loosening the rigidity" that has traditionally characterized education, Anderson said.

African parliament members visit Tech, tour ag facilities

Three members of the parliament of Botswana, Africa, will be honored at an informal reception in the Anniversary Room of the University Center at 7:30 p.m. today.

The Honorable Gaefalale Sebeso, the Honorable Abel Sikunyana and the Honorable Richard Eaton are visiting Tech as part of their month-long visit to the U.S. The reception tonight will provide University students an opportunity to meet the representatives and engage in informal discussion and questions and answers.

Dr. Robert Vengroff of the department of political science, has lived in Botswana and done research in that country. He will attend with his students from his advanced class in African politics.

The International Center for Arid and Semi-Arid Land Studies (ICASALS) and the College of Agricultural Sciences are hosting a luncheon for the three men today. The visitors will take tours of agricultural facilities this afternoon.

Sebeso has been a member of the Botswana National Assembly for Tswapong South since 1966. He has been deputy speaker of the National Assembly since 1967. Sikunyana has been a member of the National Assembly for Bobirwa since 1969. Eaton has been a specially-elected member of the National Assembly since 1969. All three men speak English and have traveled to England and other countries. Sikunyana is in the United States for a return visit.

Thier escort from the U.S. State Department, Jerome Smith, has visited Tech several times with African officials whose visits have been arranged by ICASALS. The officials will depart Thursday afternoon for Wichita, Kan.

Rufus Gaut, representing Gaut & Gaut, declined to state the exact purchase price. He did say the price included some \$115,000 in back taxes and interest owed on the building as well as "additional considerations."

Adams said the transaction included a deed transfer, making Gaut & Gaut the immediate owners of the building. Under the proposed auction, Realty Equity would still have had a period of two years to pay the back taxes and penalties and reclaim the building, regardless if anyone had bought it.

Gaut said the purchase includes the building and the

Gaut gave no indication when the building will be opened for use. He said reconditioning of the structure will begin as soon as engineering studies and cost estimates have been completed. Gaut did say that plans have been made to board the windows to protect the building until engineering tests are completed.

A crowd of approximately 100 persons had gathered at the County Courthouse for the auction when the announcement of the sale was made. Most of the persons were merely onlookers, and there were no indications how many, if any, of the persons had come to bid on the building.

ring. Women's rings range in price from \$45 on up, depending upon what size diamond is used in diamond top rings.

In women's rings, there is the

traditional ring and a newer oval shaped

A SPOKESMAN SAID Zales is also able to order rings with either the master's or doctorate's degrees on them. A quick check with these and other jewelers showed that Tech rings are popular items all year round. A recent rise in the cost of gold has caused most jewelers to have to raise the price of their rings by about \$10, but the increase has not affected demand. Jewelers say they still order Tech rings daily.

INSIDE	TODAY
Former Red Raider assails system Moments Notice	p3

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Former Red Raider assails system

To the Editor:

As a recent graduate of Texas Tech, I readily acknowledge that Tech has helped prepare me for my future. It has given me a chance for an education as well as opportunities to meet many outstanding people, and while serving as the Red Raider, associated me with the many fine individuals who held this position before me. Therefore, I do not want to degrate the tradition and honor of the Red Raider through this letter. This letter is difficult for me to write and you to understand because I was chosen the Red Raider by the present system, a system that needs a definite change. Here's why.

The idea of sacrificing honesty for fear of a power has gone far enough. Many have stated that the present situation is "life" and that you had better get used to ir - Well, if this is life, why is everyone so hung up on Watergate? If we are supposed to stay quiet and accept dishonesty as life — life needs a change.

I truly wish the appointment of the new Red Raider could only be called a break from tradition. First, I want to strongly emphasize that I do not care whether the Red Raider is male or female — only that the person is qualified and worthy.

After all, care for the horse should come first. Under the present system, the Red Raider was selected supposedly by one man on the basis of horsemanship, past experience, personality, and etc. Yet, the recent appointment seems to have been made because "she looks like she belongs on a horse." To put it bluntly, to say or even imply that the new Red Raider was competitively chosen over the other four applicants is a LIE.

None of the applicants were required to prove their ability by riding or interviewing ... ask any of them. In fact, horsemanship and experience were not even considered. For instance, anyone who has owned horses should 1) know how to hook a trailer to a vehicle, and 2) know that you do not load a horse in a single trailer that is not hooked to a vehicle.

This knowledge should be old hat to one who has been raised on the operations of ranch life. It must not be old hat, however, since I have witnessed that this is not known or practiced by our new appointee only one instance of inexperience and lack of knowledge.

Actually the appointment came as the result of outside pressure and the individuals involved cannot resist this pressure for fear of reprisals (check the appointment books and the firmness of the jobs of those involved). Nowhere else on campus is such a responsibility placed on one individual. For instance, the cheerleaders, UC student heads, twirlers, and Who's Who are not chosen by one person. Therefore, what is to be done? A change must be made to relieve the one



Red Raider critics not in majority

To the Editor:

I am writing this letter in answer to the letters appearing Jan. 25 which condemned the choice of Anne Lynch as the new masked rider. I do not believe that they represent a majority of the students.

Both writers questioned the method by which Miss Lynch obtained the job. However, in doing so, they must accuse Dr. Dale Zinn, chairman of the animal science department, of having some malevolent ideas of destroying the morale of Tech football fans, a charge I find most illogical. His decision, I am confident, was based on her qualifications, which seemed to be adequate, and upon her attitude which, in a way, is the single most important factor for the job. She did apply first, having wanted the job since she was a freshman. One writer seemed to object because she is a woman. I hate to agree with women's lib, but they are right on at least one point: Except for a few biological functions, there is essentially no difference between men and women. They are equals. If a woman is qualified for any job — even football player - I say let her have the job.

I hope I speak for others as well when I say that I will be proud to have Anne Lynch as our new masked rider. Wear the suit with price, Anne!

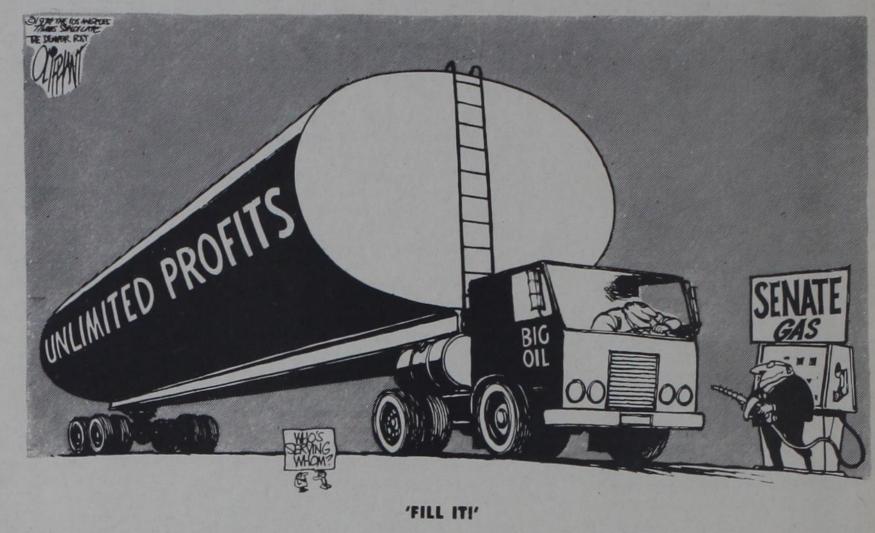
Bruce Carter

Student defends prof

To the Editor:

As a former student of Dr. Bud Korkowski (and it is Dr. Korkowski). I was very unhappy with Mike Murphy's letter of January 29. Murphy implied that Dr. Korkowski was not capable of teaching Women in Love to a group of sophomore students without aid of the film version. Dr. Korkowski's presentation of the novel was outstanding. Dr. Korkowski shared his vast knowledge of D. H. Lawrence with our class in a manner that stimulated intense interest and further study. We appreciated his many efforts to secure the film.

Dr. Korkowski sought the film to enhance our understanding (not due to his "real need to secure another



A SHINGTON. merry-go-round

Aramco crude

WASHINGTON — The story behind the leap in oil prices is revealed, at least in part, in the secret corporate papers of the Arabian American Oil Company (ARAMCO).

The new Pike's Peak prices will cost the world's oil consumers billions and jolt the economies of oil-dependent nations.

Aramco is the world's largest oil producer. Its ugly derricks outnumber the palms on the Saudi Arabian desert, which covers an underground sea of petroleum.

Aramco is a consortium of four of the five largest U.S. oil giants - Exxon, the biggest; Texaco, second; Mobil, fourth; and Standard of California, fifth.

Over the past three decades, they have earned enormous profits on the crude oil they have pumped out from under the Saudi sands. These profits were boosted into orbit by a secret 1950 Treasury Department ruling, which permitted them to charge off their royalty payments against their U.S. taxes, dollar for dollar.

by Jack Anderson

proportion to the price rise.

Exxon's profits for the last quarter of 1973 jumped 59 per cent over the final three months of 1972. Mobil reported a 68 per cent increase, Texaco a 70 per cent increase, Standard of California 94 per cent.

The strategy to riase prices worked better than the Aramco partners bargained for. Other oil-producing countries joined in the clamor for higher profits, until the price soared out of bounds.

ALARMED ARAMCO OFFICIALS, fearful of worldwide political repercussions, went back to Yamani with a plea to stabilize prices. Although the Aramco partners have benefitted mightily from the high prices, they don't want to press their luck too far and risk government controls. The corporate papers show that the Aramco brass are preparing for another showdown with Yamani this month. They expect Yamani to call for the "restructuring" of Aramco, giving Saudi Arabia a greater share of the oil production. They believe he will demand an increase from 25 to 51 per cent of the company. Then Saudi Arabia will wind up controlling Aramco and it will be just a matter of time before the Aramco partners will be left with whatever oil they can squeeze out of their U.S. fields. FOOTNOTE: Aramco declared that "far from encouraging increased oil prices," it has "worked for reasonable prices." A corporate statement charged that we had failed to substantiate our story and that we couldn't possibly have any "valid evidence" to back it up. On the contrary, we have given Sen. Frank Church's subcommittee a detailed description of the documents in our possession. We were called behind closed doors, where we testified under oath, read excerpts from the corporate papers and told the subcommittee which documents to subpoena.

person of this responsibility'. This would eliminate pressure from an outside person, which in turn would keep this from happening again.

Obviously, the consciences of those involved are not bothering them at all. These people should be bothered because what I have said is true. I was in the middle of this situation and heard everything straight from their mouths. None of it is second-hand. I truly feel sorry for the people who must take the rap for the selection so that others can get their names in headlines.

If who you know becomes more significant than what you know, there needs to be some form of change. Although there are many other instances (car and trailer) which should be looked into, one cannot expect a Utopian system. Yet, after the efforts of so many people, please take notice and do not be apathetic to the point you let a unique and outstanding tradition fall on its face.

I am very proud to be associated with those who have ridden before me. Of the future, I cannot say this. In fact, from next year on as the crowds rise and cheer as the masked rider passes by, I'll wonder are they cheering for the beauty, pride, and tradition of the ride, or are they cheering for the rider's ability to still be seated on the horse as they pass at that point. Yes, Tech will get publicity ... will it be beneficial or detrimental?

Gerald C. Nobles, Jr.

divide to make his students understand what he was trying to teach"). He should be commended for his dedication. I am glad he cared enough to take the time to go beyond what is required of a sophomore English teacher.

Kathy Callaway

It's here, at last!

To the Editor:

I am pleased to announce that the award-winning 1970 film "Women in Love," based on the D. H. Lawrence novel, will be shown Wednesday evening, Feb. 20, at 7:30 in the Biology Auditorium. The film will be sponsored by the English department, and there is no admission charge.

Lawrentians, Anglophiles, lovers of water and deeplygreen scenery, admirers of first-rate acting, anyone interested in a profound statement about class struggle, human personality, and human sexuality; and former students of mine who endured the more difficult stretches of the novel last semester: do come, and see what all the fuss has been about.

> Eugene "Bud" Korkowski Assistant Professor, English

THE WRITE-OFF, which has been worth hundreds of millions of dollars in tax credits to the Aramco partners, was justified on national security grounds. This special incentive was needed, pleaded Aramco, to preserve the Saudi oil for U.S. defense ad4"

As a measure of the worth of this multimillion - dollar argument, Aramco has cut off all Saudi oil to U.S. armed forces since October 21 at the request of King Faisal. The king, it seems, was offended over U.S. arms shipments to Israel.

Aramco expects to lose its fabulous Saudi oil concessions but would dearly like to put off the dreadful day. The corporate papers predict that King Faisal will take over the oil fields, "well before 1980."

In an anxious scramble for new sources of crude, the Aramco partners dusted off plans to reactivate U.S. wells that had been temporarily abandoned.

As long as there was plenty of cheap Saudi oil available, the four partners weren't interested in conducting costly pumping operations in the United States. But the threat of nationalization dramatically changed their outlook

HOWEVER, THEY DIDN'T want to give up the fat profits they had become accustomed to piling up. They decided, therefore, that they needed higher oil prices to pay for reopening the U.S. wells.

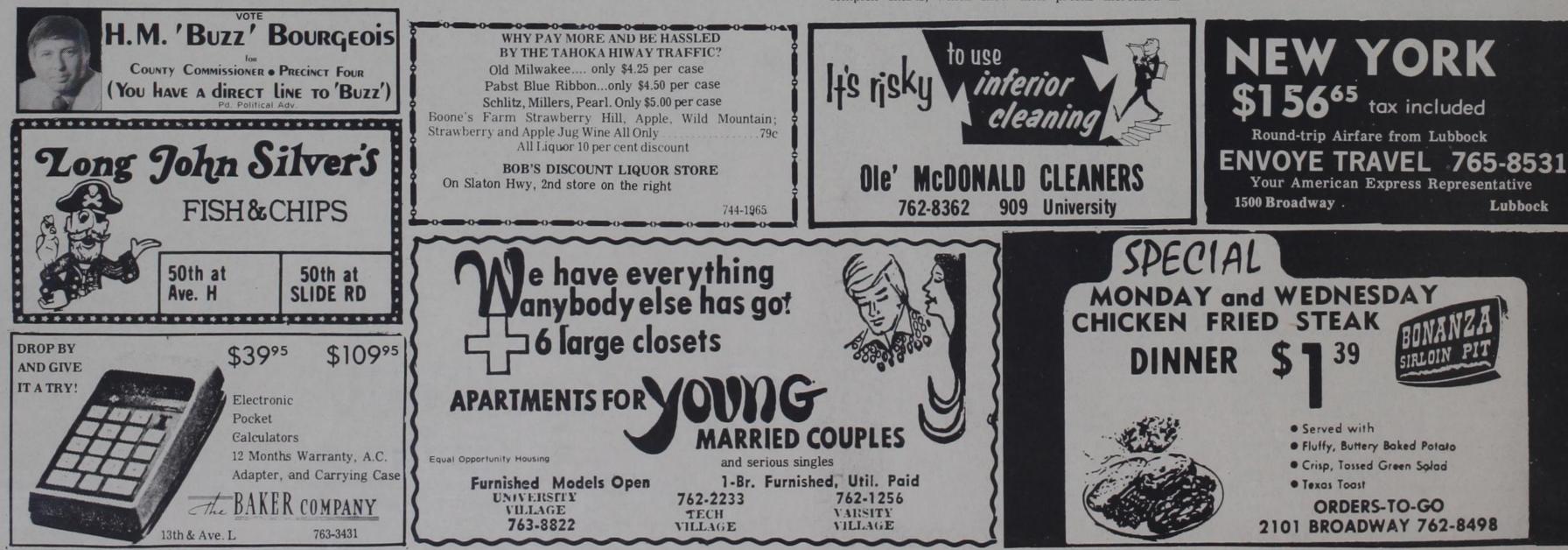
Before they closed these wells, they had creamed off the oil that gushes out on its own power. Now they must pump gas or water into the wells to force out the "secondary" oil. They are also studying "tertiary techniques" for extracting oil from the oil sands.

To raise money for all this, the Aramco crowd encouraged Saudi Arabia to raise oil prices. The corporate papers tell of secret meetings with Zaki Yamani, the polished Saudi oil minister. The papers mention six dollars as the price they hoped to set for a barrel of oil.

The Saudis obligingly came through with a price rise in the form of a tax increase, which the Aramco partners could deduct from their U.S. taxes. The secret papers contain complex charts, which show their profits increased in (Copyright, 1974, by United Feature Syndicate, Inc.)

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MOMENTS NOTICE

Building

301 of the Ag Building.

national dues.

125 N. UNIVERSITY -

2402 Ave. Q

Civil Engineering

BA Council

Aggie Council

TAP BEER

11 a.m. to 1 a.m. — Mon-Thurs 11 a.m. to 2 a.m. — Fri-Sat.

HAPPY HOUR 2 p.m. to 5 p.m.

2 p.m. to 12 a.m. - Sun

PENDANTS

\$49.95

from \$24.95

Collegiate FFA

Tech's Collegiate FFA will meet at 7:30 p.m. today in room 301 of the Ag Building. A program on game laws and regulations by a representative of the Texas Parks and Wildlife is planned. All members are urged to attend.

Wesley Foundation

Noon Dialogue will meet today at 12:30 p.m. at the Wesley Foundation. The lunch will be 50 cents, and speaker will be Mrs. Koh. She will show slides of her recent visit to Taiwan

RHA Council

The RHA Council has called a special meeting for 8 p.m. today in room 7 of the BA Building. All members must attend. The alcohol policy will be the main topic.

AERHO

Alpha Epsilon Pho will meet at 7:30 p.m. today in room 104 of the Journalism Building.

Fashion Board

Fashion Board will meet at 7:30 p.m. today in room 105 of the Home Economics Building.

Air society designates **Tech as headquarters**

squadrons of the Texas, officer, Oklahoma and New Mexico Squadron members were area met in Tulsa for the annual assisted in their work by ofconclave.

The awarding of the area officers of Air Force ROTC command climaxed three Detachment 820 at the months of work by squadron university and by members of members at Tech. Members not Angel Flight, a women's only prepared normal campaign auxiliary. material, but also prepared and presented a briefing showing the squadron and its relations received the Angel Flightwith Tech and the Lubbock Arnold Air Relations award at

community The Lewis C. Ellis Jr. former commander of the Angel Squadron will officially receive Flight, was awarded the Angel command on March 27 and Flight Commander's Award. officers, all renrolled in the Air The awards were presented at a Force ROTC at Tech, will be military banquet concluding the sworn in at that time.

Frontage roads closed for construction this week

The Texas Highway Depart- It is anticipated that the work ment closed the frontage roads on the railroad crossing will be on Loop 289 between North Quirt completed by Friday, and the Avenue and Municipal Drive, frontage roads opened to traffic. beginning Monday. The roads will be closed during the

Tech's Lewis C. Ellis Jr. The officers are Darrel Squadron of the Arnold Air Westbrook, commander; Randy Society has been named Area Hudson, execuitve officer; Dick Headquarters and Command Jones, administration officer; for Area G-1 of the Arnold Air Bill Heinen, operations officer; Society for the next two years. Robert Lanham, comptroller; The selection came as the 10 and John Fowler, information

ficers and non-commissioned

The Tech Angel Flight also the conclave and Dee Cocke, conclave.

reconstruction of the crossings with the Atchison, Topeka and Santa Fe Railroad.

East-bound traffic is being detoured on Quirt Avenue to Municipal Drive, and Westbound traffice is being detoured on Municipal Drive to Quirt Avenue. The main lanes over the overpass will remain open to traffic.





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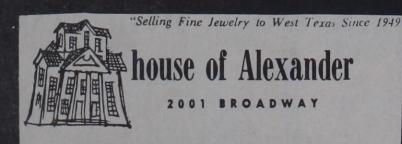
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SOUTH PLAINS MALL



Page 4 The University Daily, February 6, 1974

weekend. Freshmen David Tom Rebstock, senior from

1. Tech student or faculty only ones eligible

2. Must use Burger King Entry Blank from University Daily only.

3. Entry Blanks will be in 9 issues of U.D. from Jan. 14 through Feb. 11, 1974.

teams from University of varsity division.

place in the junior division, Earth and Kevin Young of tended the meet.

Tech steps up recruitment efforts

By KAREN MURPHEY UD Reporter

has been an increased effort on he said. Tech's part to recruit students The State Association of

decrease in college enrollment said Perry.

Kansas, University of Houston,

and Abilene Christian College.

campus.

Tech debaters win top honors

Two members of the Tech Tech was also represented by Walker and Rebstock as sixth

defeating highly regarded Hereford also debated in the The team of O'Hare and

FREE SKI TRIP FOR TWO

BURGER KING ENTRY BLANK

-SKI EQUIPMENT FROM OSHMAN'S SPORTING GOODS -

4. Drawing held at Burger King No. 1, 313 University at 3 p.m. on Tues, Feb. 12, 1974.

Individual awards went to Illinois.

draft and the interest of some representatives to the various linkages with that segment of at Tech will increase.

students in non-traditional cities to present the academic the student population who don't means of education such as program the University has to participate in the college night During the past year, there travel and vocational training, offer and to describe the program," Perry said.

A greater effort is being made to encourage minority students

from Texas high schools, said Collegiate Registrars and "We realize that we don't to come to Tech, he said. "In the theme of a western day Tuesday Dr. Floyd Perry, associate vice Admissions Offices coordinates always visit with all the past, they didn't come because at Murdough and Stangel Halls. president for academic affairs. "college nights" throughout the students who may be interested they didn't know about us." state in cooperation with public in Tech," Perry said. To Representatives have talked Western buffet sponsored by National statistics predict a schools and their counselors, remedy this, representatives with principals and counselors Tech Food Services. are traveling extensively in at predominantly black schools, because of the declining birth Once the college nights are Houston, San Antonio, Dallas and Perry is hopeful that the events included the buffet, rate, the discontinuation of the scheduled, he said, Tech sends and Fort Worth "to develop percentage of minority students served in Murdough - Stangel

Perry said.

director of undergraduate from 3-6:30 in the "Red Dog admission, and Jesse Rangel, Saloon," set up in the Murdough admissions counselor, do most - Stangel snack bar. of the traveling for recruitment.

About \$3,600 is allocated in the debate team won championship two varsity teams. Terry Hart, and seventh best speakers, budget of Tech's admissions prizes taken from dorm council honors at a meet in Waco last a junior from Richardson, and respectively, of their divisions. office for travel. This includes funds were awarded to winners travel to the college night of various contests, including a Walker of Lubbock and Julie Lubbock, advanced to the octa- Eighty teams representing 35 programs and to other contest featuring teams of two Martin of Houston took first finals. Juniors Danny O'Hara of schools across the country at- professional meetings during attempting to put a T-shirt on a

> the year. A state law provides that state Young will represent Tech at a funds may be used only for According to Bob White,

> meet this weekend in Evanston, traveling to recruit students. No Murdough president, other television announcements, contests included a best dressed special advertising or western wear contest, a most recruitment posters can be original western costume financed with state money, contest and a "drink or drown"

> > chug-a-lug contest in the Red A number of students active in Dog Saloon. student government helped in

visited their former high schools included no killing, fighting, Lubbock Theatre Centre p.m. Feb. 15. to represent Tech, but some card cheating, horse stealing, Children's Theatre. visited as many as 17 high pig stealing or molesting of

schools in their area. women. VOLKSWAGON OWNERS TUNE UPS ENGINES REBUILT

PARTSASERVICE LITTLE ENGINE REBUILDERS 973 A AVE Q BLOCK SOUTH OF 19th

TECH Student Special

Dorms plan

'West World'

"Visit West World" was the The program coincided with a

The "West World" schedule of dining hall from 4:30-7 p.m., and Perry, E. F. Arterburn, card playing with free drinks

> During the afternoon, cash greased pig.

"The Jumping Frog of performances at 7:30 p.m. and in the Bold Rush days of Calaveras County" will open 2:30 p.m. Feb. 17. The play will California and centers around recruiting at their own expense Some laws of West World Feb. 16 as the first completely also be performed at the Jim Smiley and his "talented" over the Christmas holidays, he were also enforced, with musical play ever presented Pioneer Memorial Museum frog, Dan'l Webster. A stranger said. Most of the students violators thrown in "jail." Laws under the auspices of the Building in Crosbyton at 7:30 appears in town and challenges

The first performance will be The production will feature include David Zepeda, James

Campbell Johnson.

short stories.

Jim to a frog jumping contest.

the Tech music department Hayes, Sid Davis, Dana King and Michael Paulk.

"The Jumping Frog of director, said reserved tickets Calaveras County" has been will be available beginning Feb. adapted by Lucas Foss from one 11 at the LTC Playhouse, 2508 of Mark Twain's more familiar Ave. P. Prices are \$1 for students (through high school)

cast members of the musical play are, from left, Benjamin King, Alice Toliver and Sid Davis. Frog was not identified. 'Jumping Frog' to open Feb. 16



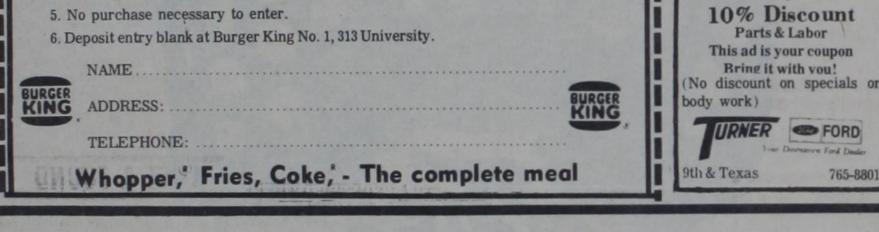
The jumping frog

David Zepeda, left, urges frog to scheduled to open Feb. 16. Other make a mighty leap during rehearsal for Lubbock Theatre Centre's production of "The Jumping Frog of Calaveras County"

at 2:30 p.m. with additional more than 25 performers from Wagoner, Tim Thornton, Chris

under the direction of Dr. D. Maynard, Alice Toliver, Ben

Principal members of the cast Phil Weyland, theater



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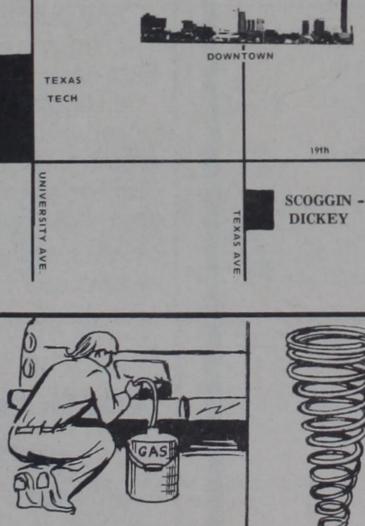


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"The Prisoner of Second Avenue" Feb. 18, 8 p.m. Municipal Auditorium

MOGENE COCA plays a working urban wife, beset by an array of city problems that would confound a Job, while KING DONOVAN is her husband, who seems to be joying a nervous breakdown that allows him to indulge in art therapy, in the longun Neil Simon comedy,"The Prisoner of Second Avenue", which ran for 788 perormances on Broadway. Out of a melange of city-induced problems, Mr. Simon has extracted a myriad of laughs, chuckles and guffws, which impelled Clive Barnes, he illustrious critic of the N.Y. Times to call the play, "Gloriously funny!", while ime Magazine said. "It is Simon's funniest play since the "Odd Couple

Civic \$5-6 seats for \$2 **TECH STUDENTS ONLY!** Civic \$2-4 seats for \$1

U.C. Box office 742-3380



The action of the play occurs and \$1.50 for adults

Poet to read own works during appearance here

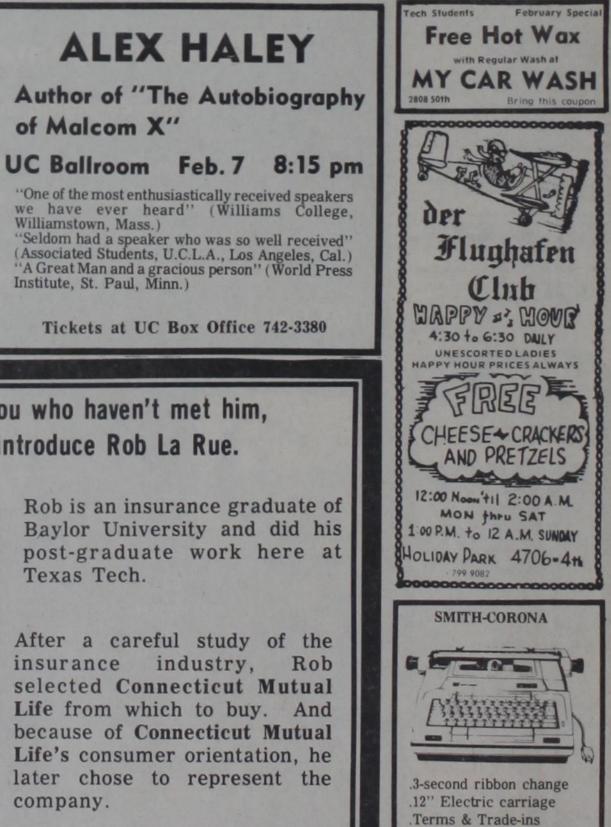
Miller Williams, University of Methodist minister, and a Arkansas professor, will read variety of other subjects, said selections of his poetry in the Dr. Daryl Jones of the Tech Mesa Room of the University English department.

Center at 8 p.m. Thursday. The Hoxie, Arkansas native is and Selected Poems" is the

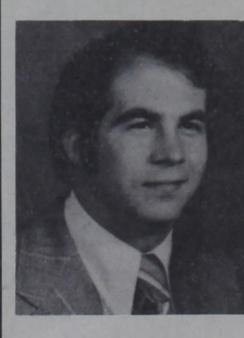
"Halfway From Hoxie: New

a contemporary poet and the poet's latest published book, for author of five books of original which he received the 1973 poetry, and nine other books National Arts Fund Award for containing translations, critical distinguished contribution to analysis and anthologies. His American letters. writings center on many themes Williams is co-director of the

including remembrances of his creative writing program at the upbringing as the son of a University of Arkansas.



For those of you who haven't met him, we'd like to introduce Rob La Rue.



Rob is an insurance graduate of Baylor University and did his post-graduate work here at Texas Tech.

Tickets at UC Box Office 742-3380

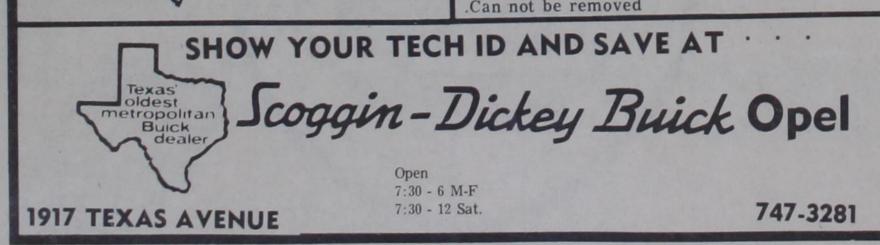
ALEX HALEY

of Malcom X"

Williamstown, Mass.)

Institute, St. Paul, Minn.)

After a careful study of the insurance industry, Rob selected Connecticut Mutual Life from which to buy. And because of Connecticut Mutual Life's consumer orientation, he later chose to represent the company.





The University Daily, February 6, 1974 Page 5

Energy lag no bar to street work Student seeks legislative post

By GWEN BUSHART

UD Reporter crisis, Lubbock street im- said. provement and planning con- According to King the four director of traffic engineering. way along US 82 in Lubbock city completes concrete work on wider", McDaniel said. "It's in cidents since traffic facilities in several years we may see a to US 87 along 3rd and 4th normally do," he said.

1975-1977 consolidated work approved projects. The conprogram for District 5. (District tracts have not been awarded 5 includes 17 Texas counties yet," King said. The projects center, King said. "It is the three years, he said.

program is part of a three-year Feb. 11 on 19th Street from by August 1974 they must be six to eight weeks to complete.

9th Street from Texas be. tinues "as usual," according to Lubbock County projects in- Avenue to University Avenue "We would like to improve King. However, he said he Bill McDaniel, Lubbock's clude purchase of the right of "will be complete as soon as the University Avenue and make it hasn't noticed as many ac-

"Because of the energy crisis, from Farm to Market 2255 east the sidewalks," King said. change in people's driving Streets at an estimated cost of Additional work will be done give us the right of way so we tory for the conditions and needs habits," McDaniel said. \$75,000; reconstruction of 1.9 on the eastbound lane of 19th can do this", he said. "If Tech of Lubbock. "But there is "However because we don't miles of US 82 in Lubbock from Street from University Avenue doesn't give us the right of way always a need for streets to be know how long it will last we are University Avenue along 4th to to Brownfield Highway "when then we just can't do it. still planning our streets as we US 87 at an estimated cost of the weather becomes warmer", "In 1965 when Tech closed off proved," he said. "We do as \$717,000; reconstruction of 4.1 he said. Construction on the traffic on the campus all the much as we can with the funds According to James W. King, miles of US 87 in Lubbock from westbound lane of 19th from traffic became concentrated on we receive," Kings said. district administration engineer Spur 326 to 45th at an estimated University to Brownfield High- the streets that surround the McDaniel said he has noticed for Texas Highway District 5, cost of \$990,000; and recon- way "lacks one more final campus," McDaniel said. the Texas State Highway struction of 3.2 miles of Texas surfacing," King said. "We Tech has hired a consulting traffic accidents on the streets Commission recently approved State Highway 116 from the hope to have 19th Street from firm to study Tech's traffic that are designed properly and

The projects are part of a "These projects are new King said.

\$250 million statewide im- Texas Avenue to Avenue A. completely reprogrammed," he Energy crisis or no energy provement program," King "This includes widening and re- said. "If they aren't approved research on the number of aligning the street," King said, by August they probably won't accidents since Lubbock street

> bad shape. Tech hasn't given have been improved. He said the indication that they want to Lubbock streets are satisfac-

principal planner of Bernard Lubbock streets

There has not been any

improvements, according to updated, widened and im-

a big decrease in the number of

four street improvement Hockley County line to Spur 309 Avenue A to Brownfield High- problems. Alf Davey, planner fit the needs of Lubbock. He said projects for Lubbock County. at an estimated cost of \$424,000. way complete by June or July," for the Tech project and senior the general conditions of were Johnson Inc., said "the project satisfactory to handle traffic The University Avenue will definitely be a joint study flow. "We don't have any heavy widening from 19th to 4th between the city and the traffic congestion except at with Lubbock in about the should be begun in the next Streets and the Indiana Avenue University." According to certain times of day at certain projects are under a Municipal Davey, the proposal should take major intersections," he said.

Vint has filed in the Democratic 75, Place 1. primary for the state Vint filed Monday, but his that the legislature makes

listed candidates who had filed. facilities. courts don't do it first. I'd like to advocated by Vint.

see the legislature do it."

student representation on the campuses. governing board of all state Vint is a Law School senator

His second priority is to see name was omitted in Monday's specific allocations for the University Daily article which funding of Tech recreational

Vint said he would like to see An increase in funding of the establishment of single student loans and grants Imember districts. "If the provided by the state is also

His final priority is the introduction of legislation to allow Vint listed four priorities students, rather than the Board relating to student concerns. of Regents, to determine the First, he would like to see alcohol policy on their own

institutions. Vint said he and president pro tem of the authored a bill to that effect Senate. He is also a member of sponsored by State Sen. Bob the Student Publication Com-Gammage of Houston. Gam- mittee and served on the Board mage introduced the bill during of Governors of the Student Bar

the legislatures last session, but Association. THE UNIVERSITY DAI TYPING FOR RENT to Life of Lubbock, 747 4837

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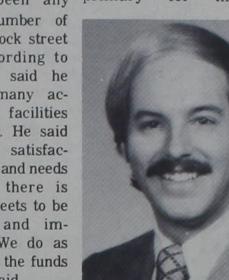
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Bob Vint

Page 6 The University Daily, February 6, 1974

Ponies burst Tech's bubble

By MIKE HALLMARK Sports Editor

a hard time deciding whether pensate. they liked their Mustangs Raiders 73-71.

through a disappointing season, didn't run the offense. finally found some solace by records while SMU raised their over very much." record to 3-4.

first half by Tech's Rich the Mustangs. Bullock, who limited the con- With the score 61-53 and Tech all-state roundballer for Lub- Although the South Plains is 1:51 remained in the initial half. Roan scored on a layup and

forwards Grady Newton and trouble. Tech coach Gerald the Ponies ahead by one.

Tuesday's intramural basketball results

Sig Eps "F" 2, Delts "E" 0 Chi Rho "A" 54, SPE 43 KKP "A"2, Double T 0 (forfeit) (forfeit) Campus Advance "A" 37, Phi Delts "D" 45, SAE "E" 43

ASCE 33 Phi Delts "A" 61, Kappa Sigma Sig Eps "D" 63, Delts "D" 43

Phi Delts "F" 55, SAE "F" 52

Myers was forced to go with SMU ran the string to 70-63 but Fifteen seconds remained. freshmen Grant Dukes and a the Raiders fought back. Little Tech got it down court and DALLAS - The SMU fans had three-guard setup to com- and Johnson hit jumpers to Bullock was fouled with four

"We played poorly the whole Tusznyski then hit another and got lthe ball to Dukes whose throughout much of Tuesday's game," said Myers. "When you layup but Little hit jumpers as shot kissed the rim and bounced game in Moody Coliseum, but play as poorly as we did you SMU turned the ball over twice. off. finally decided to take them to can't expect to win. They were With Tech down by one, Bullock Bullock led the Raiders with their bosom after the Ponies extremely aggressive on the fouled Terrell. Terrell hit the 19 points and 15 rebounds. Little pulled off a heart-stopping boards and on defense in the first of a one-and-one to put the had 16 and Bailey 12. Terrell and performance to defeat the Red second half. We didn't execute tally at 73-71, but Bullock Theil had 17 while Tusznyski well at all, and didn't have any retrieved his errant second shot. had 12.

flashy maneuvers.

The Mustangs, suffering movement offensively. We just knocking off the previously anybody's race now. We and undefeated Raiders. The loss Texas are tied and it's going to knocked Tech back into a tie be a tough schedule in the with the Texas Longhorns who second half. Texas isn't the Texas now have identical 6-1 games. They don't turn the ball

Ira Terrell reversed his field seemed in command until 9:50 completely in the second half remained in the game. Then the with 13 points and 10 rebounds. Raiders hit an icy spot caused Terrell had been stymied in the by the aggressive board play of autograph.

The tall Mustangs used their Rick Billik canned a charity eves.

depth at forward to great ad- shot to bring SMU within three, jumper and stole the ball from William Johnson in early foul Little and scored a layup to put

bring Tech within three, 70-67. seconds left. Tech inbounded

"The conference race is Moore: a bettin' man

By KIRK DOOLEY England-Southern coast-back to **Sports Writer**

Texas route. When they got Years ago when Tech's back, the family then trekked to whipped Baylor 93-79. Tech and type of team to lose many basketball team was led by a Europe. Moore smiled when he scrappy youngster named explained that he once went to Gerald Myers, there was a little the Bahamas ... to gamble.

Tech led 42-33 at the half and kid with big eyes who stood Another unusual yet not as patiently before him with a pen exciting hobby he enjoys is and paper in hand until Myers reading and collecting antique finally gave the kid his books. He is currently dreaming of owning a large library of

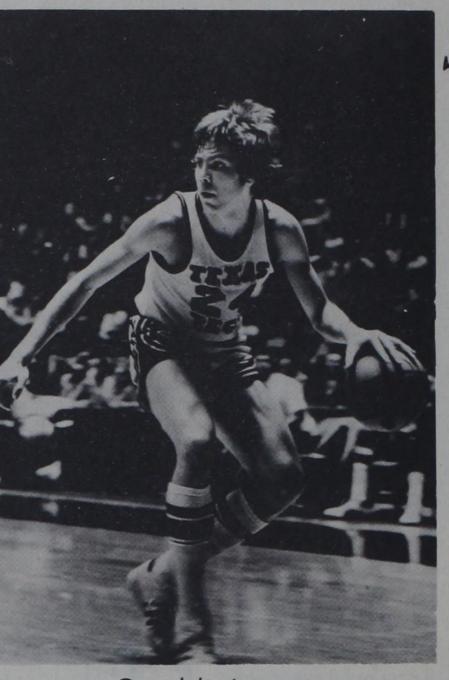
Well, the kid grew up to be an these valuable books.

ference's leading scorer to only leading at that point, the Ponies bock Monterey and when he not overflowing with basketball four points in the first half. started their run. John signed a letter of intent for players who double as book Terrell did not hit a bucket until Tuszynski hit a jumper, Oscar Tech, Coach Myers didn't even collecting gamblers, a closer remember Don Moore's big look at Moore's personal life shows that he is just like any Moore has since teamed with other college senior.

vantage as they got starting 61-58. Tyszynski then hit another Richard Little to give the He often thinks of his future. Raiders the most balanced "I'd like to get out and meet new backcourt duo in the con- people after I graduate. I'll be in ference. Moore's consistent, law school, probably in Dallas, calm and stable style of play and with the money I'm saving, perfectly complements Little's I'd like to do some more traveling."

> Off the court, Moore is a "part Everyone lies around and time loner" who at times can be listens to music and Moore as flashy as anyone. Lady prefers Carly Simon and Judy Luck's answer to the Gamblin' Collins to most hard rock. He's Man, he has been to Las Vegas average in tennis but excels in half a dozen times where he won golf (low 70's).

\$580 during his first trip. This After a basketball game, he year, when Tech wasn't up- won't be bugging the managers setting the Las Vegas-Nevada about how many points he got; basketball team, Moore was he'll probably be found relaxing



Gamblin' man

Known to stay calm on the basketball court, senior guard Don Moore also applies this attribute to his personal life. Moore airs his feelings in story at left.

Swimmers take first

By MARY ROSE HUTYRA

Sports Staff Tech's women's swim team tured second, third and fourth captured 390 points to win first places in the one-meter dive. place in the Texas Women's Barbara Baker nabbed first University Invitational at place in the 100 breaststroke and Denton Saturday. The defending Goodman won second. state champions placed in every Other members of the team

8:00 P. M.

50 free-style. Beth Cross, Nancy

Ford and Beth Forrester cap-

SWC roundup **Horns** tighten race

AUSTIN (AP) - Larry Robinson led Texas to a 93-79 victory over Baylor Tuesday night and a full house in Gregory Gymnasium waited 10 minutes for word that the Longhorns had moved into a tie for the Southwest Conference lead with Texas Tech.

Texas pulled away from the Bears midway in the second half as Robinson scored 29 points - the first time in five games he had fallen shy of a 30 point night.

The 6-foot-7 senior pulled down 15 rebounds as Texas outrebounded Baylor 44-37. The Longhorns hit 68 per cent of their second half field shots and had 59 per cent from the floor for the night.

Texas is now 6-1 in SWC play and Baylor is 4-3.

Lee Griffin, who led Baylor with 24 points, gave the Bears a 57-55 lead with 15:40 remaining with a basket. Robinson tied it and a three-point play by Ed Johnson put Texas up for good 40 seconds later.

Ags smother Hogs

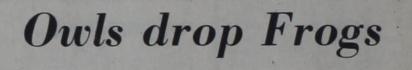
COLLEGE STATION (AP) - John Thornton, who finished with 29 points, paced the Texas Aggies to an 86-80 Southwest Conference victory over Arkansas Tuesday night by scoring six consecutive points in the five-minute overtime period.

Dean Tolson put the Razorbacks even at 74-74 with 20 seconds left at the end of the regulation game, the Aggies called time with seven seconds left and set up a play with Randy Knowles shooting from the corner. The shot rimmed and fell away.

In the overtime, Arkansas went in front 76-74 on Robert Birden's bucket and later the Hogs tied it 78-all on Jack Schulte's basket with 2:34 left. Then Thornton hit two free throws and followed with two field goals to give the Aggies an 84-78 cushion with 43 seconds left.

Cedric Joseph added 20 points to the Aggie attack and Knowles scored 13.

Tolson paced Arkansas with 26 while Ricky Medlock had 17, Birden 15, and Dan Pauling 10.



FORT WORTH (AP) - Rice University went to the free throw line to defeat Texas Christian University 73-67 in a Southwest



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Sunday 2:00 am

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Wednesday, February 6

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