

Present agricultural strike not first

EDITOR'S NOTE—This is the first in a two-part series examining the historical and economic aspects of the current farmers' strike.

By **RICHEE REECER**
UD Reporter

Though the idea of a farm strike may seem new to most Tech students, similar movements and protests have occurred throughout the history of the United States, according to Dr. Charles Woods, assistant professor of history.

One of the first such movements occurred during the colonial period of the nation, he said. The incident, known as Shea's Rebellion, involved farmers who were concerned with high production costs.

Later, during the presidential administration of George Washington, the Whiskey Rebellion broke out, Woods said. The administration wanted to place a tax on whiskey, which was

made largely from corn produced by farmers in New York and Pennsylvania.

The farmers rebelled against the proposed tax. The rebellion was later crushed.

The Granger movement of the late-1800s was an attempt by farmers to improve their economic status, Woods said. The Grangers tried to influence legislators to aid the farmers.

After the Granger Movement had passed, the Farmers' Alliance emerged, Woods said. The alliance, one of the better-known recent farm movements dealt specifically with low prices and property taxes. At that time no federal income tax existed, Woods said. Therefore most of the federal government's revenue came from property taxes. The farmers, as land owners, were hit hardest by the

property tax.

The Populist Movement, perhaps the most well-known of all agriculture movements in recent history came about directly as a result of the Farmers' Alliance, Woods said.

The movement, which took place in the late-1880 and 1890s, was "much larger and more widespread" than the current farm strike, Woods said. One of the main reasons, he said, was that, at that time, 60 percent of the working people in America worked on farms.

The Populists tried to influence legislation that would help ease their problems, going even as far as forming their own political party, Woods said. The Populist Party nominated James B. Weaver as its presidential candidate in the 1892 election. Weaver received "just over one million votes."

"Historians still argue about whether

they (the Populists) failed or not," Woods said. Many of the ideas proposed by the party were enacted into law later, he said, though the movement did not immediately achieve its objectives.

The Populist Party favored more popular control over the federal government, voting by secret ballot and the direct election of senators, among other things, Woods said. Many of the Populist ideas were passed into law between 1900 and 1918, he said.

Several other farm movements have occurred in the 20th century, Woods said, including the Non-partisan League and the Farmers' Holiday Association.

The Farmers' Holiday Association was the major protest movement during the Depression of the 1930s. The agriculture industry went into its depression in 1920, Woods said. The

industry did not fully recover until "well after World War II," he said.

Though the Farmers' Holiday Association was the last major agriculture movement prior to today's American Agriculture Movement, farm protests occur fairly often, Woods said.

Even during the "Golden years of American Agriculture," 1910-1918, farm protest movements occurred, he said. Woods attributed this fact to the diversity of the agriculture industry. For example, cattle prices may be very high during the same year wheat prices are very low.

Woods said he felt the Populist Movement was probably the most effective of past farm movements.

"Other movements have been less successful, but they have put pressure on politicians and encouraged the passage of farm bills," he said. The

federal government has had some type farm program in nearly every year since 1933, Woods said.

Regarding the possible success of the current farm strike, Woods said, "Really, it's hard to judge whether they'll have any success or not."

Though Woods said he supports the current farm strike, he questions the idea of "parity."

"Right now, I just don't see quite what we're trying to get, but farmers should be helped some way," he said. Congress just passed a farm bill last year, Woods said, and will probably want to give that bill a trial.

Regardless of the legislative success achieved by the American Agriculture Movement, Woods said he feels the movement has been successful in drawing public attention to the problems of farmers.



Ribbon cutting

Lubbock Mayor Roy Bass, State Senator Kent Hance, Board Chairman J.C. Rickman, and speaker of the House Bill Clayton all participate in the ribbon-cutting ceremonies at the Health Sciences Center Hospital. The hospital begins operations Wednesday. (Photo by Karen Thom)

Hospital officially opens for business

By **KANDIS GATEWOOD**
UD Reporter

Red carpet covered the platform, the men wore tailored suits and the women wore minks. The ribbon was waiting to be cut to officially dedicate the hospital.

But perhaps the biggest indication that the Health Sciences Center Hospital will open for operations Wednesday was the signal blaring on the ambulance that pulled out of the hospital emergency stations as the last speaker finished his remarks.

The hospital begins operations at midnight Wednesday. About 50 people responsible for passing legislation and getting community support for the hospital were honored at the dedication Saturday in front of the hospital.

J.C. Rickman, Lubbock County Hospital District chairman, announced that the inspection report from the Texas Department of Health was received Saturday before the ceremony.

"Under the heading deficiencies, none, under the heading approval,

granted, and under the remarks, none," Rickman said.

The inspection was a final step in the dedication of what Preston Smith, former governor, termed "a major medical center that will provide service for this area, so people will no longer have to travel far for specialized care."

Smith said, "Serious-ill patients throughout the world will be sent here... There is no way to estimate the dollar value of the center."

Smith was one of six speakers at the dedication. Smith summarized the legislative history of the hospital, beginning with the proposal he presented to the Texas legislative budget board in 1957. Smith requested the board do a survey and see the need for a tertiary-care (specialized care) center in West Texas.

Bill Tinney, former LCHD board chairman, called the hospital the first such partnership in medical education.

Tech President Cecil Mackey noted the cooperation he has seen between the school and the county.

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EIGHT PAGES

Judge Woodward orders school desegregation plan

By **KAY BELL**
UD Reporter

Lubbock Independent School District officials have until April 1 to devise a plan for the desegregation of nine schools that U.S. District Judge Halbert O. Woodward ruled were the "result of past discriminatory acts with segregative intent by the defendants (LISD officials) and their predecessors in office." Woodward said he wants to implement the plan next fall.

Woodward's order came Friday afternoon, almost a month after oral arguments in the Justice Department's case against the school district were presented.

While neither the Justice Department nor the school district got the type of ruling they were seeking, it appeared that Woodward heavily considered school district attorney Tom Johnson's oral plea Jan. 6 to "make the remedy fit the violation."

Justice Department attorneys, on the other hand, wanted Woodward to implement a "comprehensive, systemwide" desegregation plan, preferably one which would utilize busing.

School officials will meet in executive session Tuesday to study the judge's 38-page memorandum opinion. Justice Department attorney Steve Gurwin said the government would make no plans to appeal Woodward's ruling to the 5th U.S. Circuit Court of Appeals in New Orleans until after the school's plan is submitted.

In a prepared statement accompanying his opinion, Woodward said he found 22 schools in the district which are racially identifiable as minority schools. Each of these schools, he said, has a minority enrollment exceeding 70 percent.

But 13 of these schools, Woodward said, became racially identifiable "from factors other than any unconstitutional acts by the defendants or their predecessors in office."

However, Woodward found that

Dunbar High School, Struggs Junior High School and Wheatley, Iles, Posey, Martin, Sanders, Guadalupe and Mahon Elementary Schools were intentionally segregated. All but Mahon were found to be "unlawfully segregated" in Woodward's 1970 ruling on the issue.

Woodward noted that "although the defendants have fully complied with the court's order of August 1970, it is obvious that the remedy then ordered did not remove the vestiges of segregation at these schools." In 1970 Woodward followed the latest rulings on similar cases and left the city's elementaries under the neighborhood school concept.

He also pointed out in his opinion that the elementary campuses are being

operated far under capacity. Without outlining specific plans to remedy the situation, Woodward did offer the school district such suggestions as "pairing and clustering of schools, changes in attendance boundary lines, the closing of schools" and voluntary transfer programs.

The nine schools affected by Woodward's ruling are in the northeast section of Lubbock. Woodward left in abeyance the district's \$18 million proposal to build five schools outside Loop 289.

One proposed elementary school would be built in far northwest Lubbock, while the three remaining elementaries and junior high would be built in the southwest portion of the city, predominantly white residential

areas. "The evidence does not satisfactorily explain why the district has elected to spend some \$18 million on new construction, much of it for elementary schools, when seven elementary schools were operating far under capacity," Woodward said.

"The Court is not at this time entering any final order with respect to the construction under the \$18 million bond program," he said. "It should be obvious that this question can be properly determined only in the light of the School Board's desegregation plan which is to be submitted for approval by the Court on or before April 1, 1978 and to become effective at the commencement of the 1978-79 school year."

Mutual Broadcasting gets SWC football contract

By **CHINO CHAPA**
UD Sportswriter

The rumored change of football networks by the Southwest Conference became official Friday when the SWC announced Mutual Broadcasting System would take over broadcast this fall. The agreement marks the end of Exxon's 44-year coverage of SWC football.

The SWC reportedly will receive more than \$1 million over a five-year period from Mutual. The contract ensures more out-of-state coverage and will also join Arkansas to the network after three years, when the current contract between the University of Arkansas and the Arkansas Radio Network ends. Under Exxon, Arkansas had a separate network.

"We acknowledge what Exxon U.S.A. has done for us," SWC commissioner Cliff Speegle told the University Daily Sunday from his home in Dallas. "It is because of their efforts that the Southwest Conference has been able to expand. We are very grateful to them and hope that our lasting friendship will increase with the years. Their groundwork has meant a great deal to the Southwest Conference."

The decision was reached late Thursday when the nine SWC school faculty representatives met for a second time in a telephone conference. Speegle would not disclose the final vote.

Speegle said the contract guarantees coverage for every SWC game in 23 major markets in the state. The pact

also calls for a weekly airing of two games over the nine-state region and up to 10 games to be carried nationally during the season.

The nine-state region for SWC broadcasts will include Arkansas, Arizona, Kansas, Louisiana, Mississippi, New Mexico, Oklahoma, Tennessee and Texas.

Mutual will also give the SWC 25 minutes of air time each week for a program.

"These programs will be about the institutions. Each school will determine what kind of program it wishes. The shows do not have to be athletically related and probably will not be. They will allow each school to talk about its academic program," said Speegle.

MONDAY

NEWS BRIEFS

Mackey begins review

At the request of President Cecil Mackey, Dr. Charles Hardwick, vice president for academic affairs, asked college deans last week to prepare their departments for a series of reviews to begin soon.

The review, aimed at familiarizing Mackey with the academic and research programs of the university, is a follow-up of the college reviews Mackey conducted last year, Hardwick said.

Hardwick said the reviews, which will outline goals, objectives, staffing, student enrollment and other items, should take approximately two years to complete.

Other business at the Academic Council's meeting last week involved budgeting issues for the coming year.

Carter teaches class

WASHINGTON (AP)—President Carter wove the Hollywood movie "Oh, God!" and the Panama Canal treaty into the Bible class he taught Sunday at the First Baptist Church.

Referring to the film starring George Burns and John Denver, Carter said, "I thought it was one of the best movies I've seen."

Burns plays God, trying to convince a skeptical grocer, Denver, to spread God's word among the people of Los Angeles.

"The rejection of George Burns in the movie was probably similar to the rejection of Christ on Earth," Carter said, taking over the teaching duties in the adult Bible class. He said that he feared the film would be sacrilegious, but, after seeing it, advised his classmates to view it too.

As for the Panama Canal treaty, Carter said that if a poll had been taken nearly 2,000 years ago to determine how many persons believed Jesus Christ was the son of God, the percentage of persons believing in Christ "would be lower than the number of people" supporting the treaty a year ago—"lower than 8 percent."

The president's 11-month-old grandson, James Earl Carter IV, spent the morning in a church nursery. His parents, Chip and Caron Carter, are touring Israel and the youngster is staying at the White House.

Tenth body found

KANSAS CITY, Mo. (AP)—Workers poking through the debris of the fire-gutted Coates House hotel in near-zero temperatures found a 10th body Sunday.

Only an ice-coated shell remained of the landmark hotel's south wing Sunday as the workers, aided by a Caterpillar and a large crane, dug through the rubble. Smoldering ruins on the shaky upper floors prevented

firemen from immediately examining that part of the hotel. "I'd guess we'll find at least two or three more bodies in there," said Fire Chief John Waas. "That's supposition...a conservative estimate."

The fire of undetermined origin swept through the 111-year-old hotel in downtown Kansas City early Saturday.

Most of the 147 residents lived on meager incomes and many of them were elderly, renting rooms in the once-elegant Kansas City showcase at \$12 to \$17 per week.

Nine bodies were found in or near the charred building Saturday, and the 10th body was discovered early Sunday in the basement of the six-story frame and stone building.

Twenty-two persons remained unaccounted for, while nine were injured and 106 escaped unharmed but homeless. Waas said the fact that the fire appeared to have started on one of the upper three floors seemed to discount the possibility of arson.

But the hotel had a recent history of arson incidents and at least one man, elevator operator William Rodgers, said he saw two separate fires on the fifth and sixth floor.

Many people were trapped on the upper floors and several died in desperate leaps to the pavement.

Israel to resume talks

JERUSALEM (AP) — Israel decided Sunday to resume military talks with Egypt, giving a new push to Middle East

peace negotiations following a cooling of the public war of words between the two countries and intensive backstage U.S. diplomatic efforts.

The military talks in Cairo between defense ministers are expected to resume early this week. But there was no indication after Sunday's regular Israeli cabinet meeting when the parallel political negotiations in Jerusalem might resume.

"That is up to Egypt," cabinet secretary Aryeh Naor said after the 3½-hour session. "It wasn't Israel that broke off the talks."

Israeli officials said, however, that agreement is possible as early as this week—before Egyptian President Anwar Sadat confers with President Jimmy Carter in Washington—on a joint "declaration of principles" to outline future negotiations.

Agreement on the declaration would be the first breakthrough since Sadat's trip to Jerusalem in November created the first real peace negotiations in the 30-year conflict.

WEATHER

Weather for Lubbock and vicinity will be cloudy with occasional light, freezing drizzle. Highs will be in the middle 40s.

Letters

On visitation, anti-trust laws

Adapted constitution

To the Editor:
We the people of Clement Hall, The residents assembled, Appealing to the Supreme Majority of the University for the rectitude of our intentions, Do, in the name, and authority of the good people of Clement, Solemnly publish and declare, That these united residents are, and of Right ought to be Free and Independent of any Highly Minority Thoughts and Beliefs, Hereby renounce the intentions of Housing to impose a Zone of Non-Visitation into our midst.

Steve J. Roat
Clement 4th Floor W. Rep.
Dale D. Ward
Clement Hall Treasurer
Ron L. Lewis
RHA Vice President of Men

Editors note: This petition was signed by 148 other residents of Clement Hall. JR

Anti-trust laws: a ripoff

Dear Editor:
A newspaper recently carried an article whose basic facts were these. A student complained to the Board of Regents of his university that his 2.0 GPA was too low, since in his classes he was forced to compete with other students whose high school records were superior to his. The board agreed that this was unfair competition. To aid less able students, the board made the following policy change: From now on, all entering freshmen with high school GPAs of 2.5

and under will be graded "less strictly," while those with high school GPAs over 3.5 will be graded "more strictly," in all future college courses.

Ridiculous? Now consider a true story. Berkey Photo, Inc. filed suit under the antitrust laws against Eastman Kodak, alleging that it had been hurt by Kodak's superior marketing practices. A federal jury agreed, and may award Berkey up to \$900 million in damages as a result. In addition, Kodak may be broken up into a number of smaller companies, and may even be forced to give away some of its patents to its competitors, as punishment for its success.

One of Kodak's crimes was "introducing new cameras, film and processing chemicals simultaneously, without giving its competitors any hint of what was coming (Wall Street Journal, Jan. 23)."

The antitrust laws were originally supposed to protect consumers. Instead, they have become a means for certain second-rate businessmen to fleece their brothers who are more successful at a particular line of work. Such second-raters don't wish to become rich by satisfying the consumer, but by filing suit against those who have satisfied the public and who are big as a result. Since "big" corporations are "bad", these suits are often won (e.g., Telex vs. IBM).

Who loses? In this case, (a) the stockholders of Kodak, who saw the price of their common stock fall in anticipation of a \$900 million loss. (b) All the rest of us who buy cameras, since Kodak will have less to invest in new technology. Result—fewer innovations in the photographic field and perhaps higher camera prices. This will be magnified if Kodak is forced to split up into smaller, less efficient units.

Kodak is just the latest victim of an unjust, arbitrary collection of laws, the antitrust laws. In the long run, most all of us lose. The only winners are the so-called "businessmen" who, rather than pleasing the consumer, try to rob the real businessmen who do serve the consumer and who are "big" as a result.

The antitrust laws are a ripoff.

Gralee Parr

by Garry Trudeau



Government group requests citizen aid in CB regulation

BY JOHN D. McLAIN
Associated Press Writer

WASHINGTON (AP)—A government advisory group is recommending the use of volunteers to help enforce CB radio regulations.

"The participation of civic-minded CB operators in motorist-assistance organizations proves that there is a large potential base of responsible individuals...willing to help with enforcement efforts," says the User Rule Compliance Task Group.

"The successful self-policing in the Amateur Radio Service further supports this approach," it adds.

The Citizens Radio Service, which requires no test of radio operating procedures, long has been plagued by violations of Federal Communications Commission regulations.

And, the task group notes, "...present FCC enforcement manpower is too small to have significant impact on compliance."

But the use of volunteer CBers, it contends, would increase public awareness of the FCC and its enforcement role, permit more efficient use of FCC personnel and help disseminate educational and informational CB material.

Such a program augmenting current FCC enforcement efforts, it adds, probably would "have a significant positive effect at low or no cost to the commission."

What would the volunteers do? They would provide "first-level screening of complaints and identify the worst class of repeat offenders" and issue advisory notices to those offenders, the task group proposes.

Thus, it adds, "the technical staff presently

used in...CB investigative efforts could be released for other activities." The complaints relayed to the FCC from volunteers then would be processed "by lower-level, low-cost, clerical personnel."

The task group says it realizes that "such a program has the potential of developing into an uncontrolled vigilante operation."

But to overcome that danger, it suggests that volunteers be selected by local FCC officials, follow a uniform manual outlining their duties and clearly limiting their authority, and be prohibited from direct contact with violators.

Instead of direct contact, the task group says, "volunteers would attempt to merely identify suspected violators and make their identity known to the local FCC field office."

The field office then would send an informal advisory notice to the offender, stating the violation and advising that continued infractions could lead to prosecution.

No reply would be required from the offender, but his performance would continue to be monitored by the volunteer who would alert the FCC to any further violations.

About letters

Letters to the editor can be mailed to "The Editor", University Daily, Journalism Building, Texas Tech University, Lubbock, Texas, 79409.

Letter should be typed on a 65-character line, double spaced, Although hand written

letters will be accepted, typed letters will receive preference in publishing.

All letter should contain the name, address and telephone number of the author. This information can be withheld from publication upon request.

THE UNIVERSITY DAILY

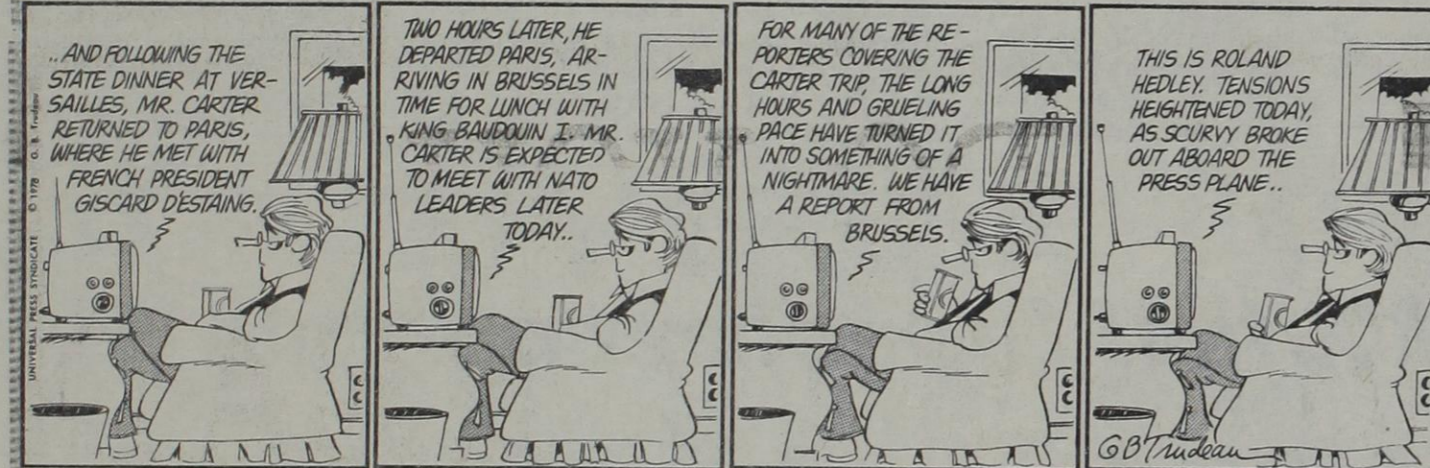
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"It's this newspaper's business to raise constructive hell."

DOONESBURY



Proposal backed by experience elsewhere

Editor's note: This is the third article in a four-part series dealing with the Student Association alcohol proposal to be presented to the Tech Board of Regents Feb. 3. The UD is printing the proposal verbatim except for paraphrasing in some parts for clarification. Today's excerpt deals with policies governing "The Well," appendix C (which consists of maps and diagrams, only one of which will be printed), and the first half of appendix D. JR

POLICIES GOVERNING "THE WELL"

1) The administrative and management responsibilities of "The Well" will be under direct supervision of the director of the UC in accordance with all applicable UC, Tech, and state of Texas rules, policies, laws, regulations and guidelines.

2) "The Well" will operate in full accordance with all applicable state of Texas Alcoholic Beverage Commission regulations and will enforce them fully and consistently. A) Employees shall have full knowledge of all applicable regulations of the state of Texas Alcoholic Beverage Commission prior to performance of duties in "The Well." B) In compliance with the Alcoholic Beverage Commission regulations for holders of alcoholic beverage permits, no alcoholic beverages may be brought into "The Well." Under no circumstances shall alcoholic beverages purchased in "The Well" be allowed to be removed from the premises. C) All persons entering "The Well" will present a current student, faculty, or staff ID of Tech and a valid document as proof of legal age. a) Upon verification of age, up to two guests may enter "The Well" with a holder of a current Tech ID. 3) The UC will provide means of security for "The Well." It shall be the UC's expectation that all patrons of "The Well" share in the maintenance of a pleasant environment by conducting themselves in a manner conducive to the environment. Persons who fail to comply with applicable UC, Tech, or state of Texas rules, policies, or guidelines, persons who drink to excess, and persons who conduct themselves in a manner which is detrimental to the best interest of the

university community, will be requested to alter their behavior. Should inappropriate behavior persist, the customer will be asked to leave the premises. Should the person fail to comply with the request, that person shall be removed by the proper authorities and be referred to the Office of Student Life for disciplinary action. Persons who consistently fail to comply with the aforementioned standards and regulations, shall forfeit the right to utilize "The Well."

APPENDIX C—See illustration.

APPENDIX D—Survey of other Texas colleges and universities having some type of alcohol on campus.

East Texas State University—Pub: No.

Alcohol in Dorms: Students of legal age can have liquor in their private room. Comments: "We do not have many problems as a result of alcohol on campus."—Nancy Murphy, assistant director of housing.

North Texas State University—Pub: Yes, serves beer and wine. Alcohol in dorms: Yes. Comments: "We have no more discipline problems now than prior to the initiation of our pub. We have had no problems involving the pub."—Dr. Jane Smith, vice president of student affairs.

Rice—Pub: Yes, serves beer and wine. Alcohol in dorms: No. Comments: "My conservative nature caused me to have

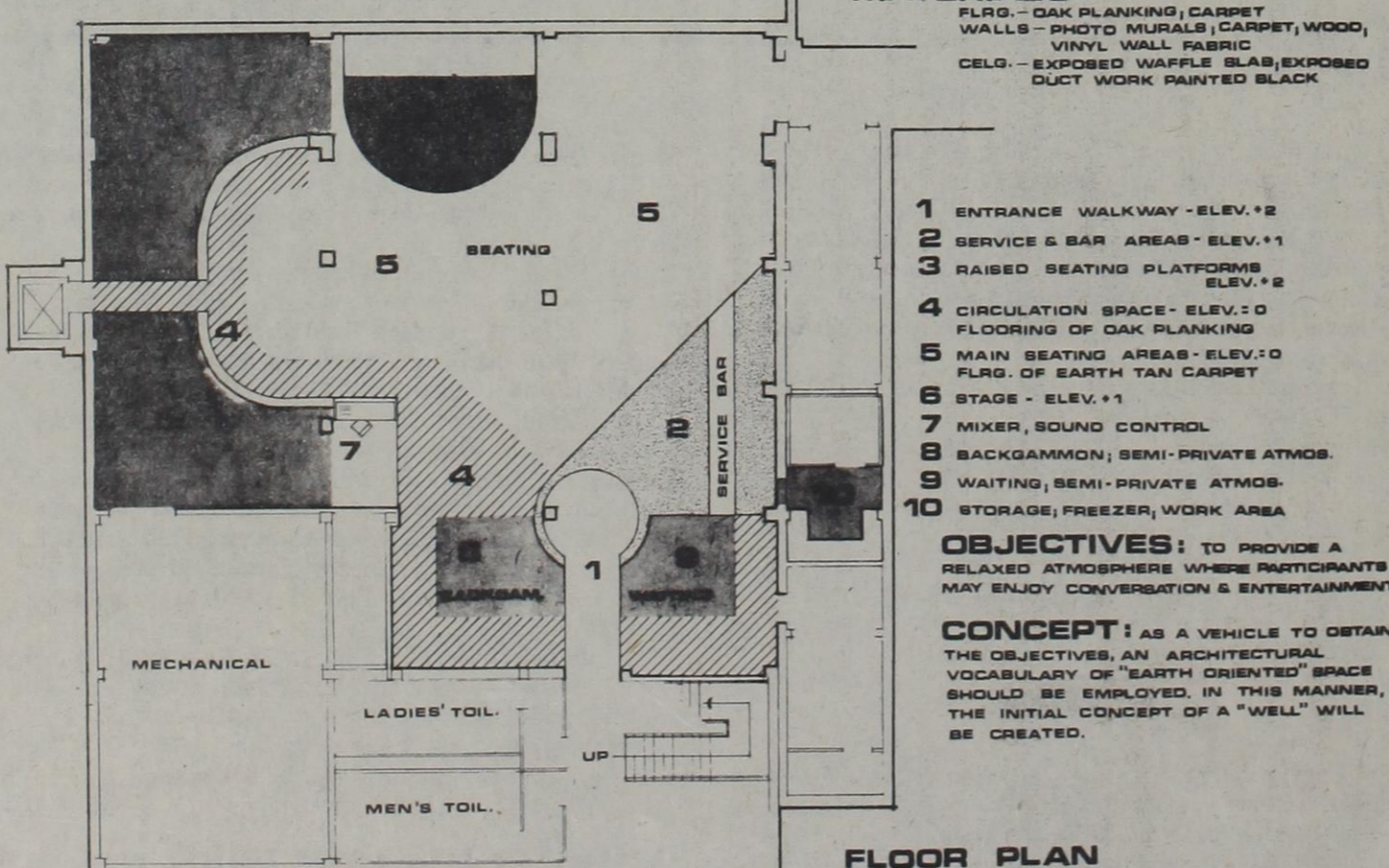
philosophical reservations vis-a-vis the sale of alcohol on campus. However, with the type of operations set up by me with the help of my Board of Control, I feel strongly that a pub can be an important asset to student life in particular and to the university community in general; in effect, I no longer have any reservations."

"Although there are on rare occasions minor incidents in the pub arising from intoxication, I have not noticed an overall increase in intoxication on campus. Most students learn quickly to handle alcohol in a responsible manner, and their parents as well as alumni have been generally enthusiastic about the pub. One final advantage of an on-campus facility such as Willy's is that the risks of drunk driving and of various types of assault to and from off-campus lounges are greatly minimized."—Dr. Samuel M. Carrington Jr., proctor.

Sam Houston State University—Pub: No. Alcohol in dorms: Students are allowed to have alcohol in their private room. Comments: "We have had no problems with alcohol on campus. Approval was recently obtained to serve beer in the food service line."—Charla Long, assistant dean of student life.

Southern Methodist University—Pub: No. Alcohol in dorms: Any type of alcohol is allowed. Comments: "Some problems have occurred from students drinking off-campus and returning."—Dr. Bob Leach, dean of students.

Stephen F. Austin State University—Pub: No. A bill was recently passed by the Student Senate asking that a pub be established. The decision will not be made until late spring. Alcohol in dorms: Yes. Alcohol must be transported in a wrapper and consumed in the student's room. Comments: "There is no real problem in proportion to what it used to be (before alcohol was allowed in dorms four years ago). There have been no cases of students coming to class intoxicated." Dr. Gordon Beasley, vice president, student affairs.



Pictured above is the proposed floor plan for the pub in the University Center "Well." The SA alcohol proposal will be presented to the Tech

Board of Regents Friday. The architectural design was done by senior architecture student David Farrell.

Counseling Center offers wide variety of help for students

By **RICHEE REECER**
UD Reporter

Were your grades not up to par last semester? Are you entering your senior year without having declared a major? Or maybe your problems are more personal in nature. Your parents are hassling you because you spent too much money on those little entertainment expenses last month. Or you might be having problems with that particular girl or guy.

Whatever your problem, the University Counseling Center in room 212 of West Hall is there to help, according to Rolf Gordhamer, director of the center. The center offers help in practically all areas of academic, career and personal counseling, he said.

"Students need to know it's pretty normal to have conflicts and confusion, especially at this time in their lives," Gordhamer said. "The center is here to provide students with help. Everything is confidential."

One of the major services offered by the counseling center, he said, is career counseling. According to national statistics Gordhamer said, only one-third of entering college students have decided on a career. Another one-third have a vague idea of what they want to do, he said, while the other one-third have no idea whatsoever.

Students who fall into either of the latter categories should consider talking with a counselor, Gordhamer said. The counselors often help

students solidify those vague ideas or offer a broad exploration into various career opportunities.

"Most students who drop out of college do so because they have no goals," Gordhamer said.

In the area of career counseling, the University Counseling Center offers interest ability and value test. These tests often help students gain better perspectives of themselves and what they want to do, Gordhamer said.

The center also offers several programs in academic counseling.

The two major programs are a speed-reading course and a study skills course, he said. The center also conducts academic workshops designed to help students develop their

academic strengths, Gordhamer said.

The personal counseling staff at the center deals with "just about anything" in the way of personal problems, he said, including "boy-girl," parental, self-concept, self-identity and marital problems.

The center employs six counseling psychologists, as well as several graduate psychology students, to aid students with their personal problems.

In the personal counseling

area, the center offers several group activities, Gordhamer said. One of these activities is an assertiveness-training program. This program is designed for students who are shy and withdrawn, as well as those who are over-assertive, he said.

The center also offers group activities in interpersonal skills, communications and weight reduction.

Tech students desiring any type counseling should go by the University Counseling Center office or call 742-3674.

What do you have in common with Jackie Onasis, Katherine Hepburn, Judy Garland, Joan Rivers and Sandy Duncan??

Your hair...if you have special guest artist, David Miller, give you the benefit of his expertise. He will be in our Salon of Beauty Tuesday, January 31 through Friday, February 3. David Miller is one of the most talented trainers in Paul Mitchell's New York School. Currently, he is touring the country demonstrating the new and innovative styles to the nation's hair designers, particularly new ideas in long hair. Call 795-6497 soon for your appointment with this talented gentleman. Stylecut and Blowdry, \$20.00. Salon of Beauty South Plains Mall

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SADDLE TRAMPS

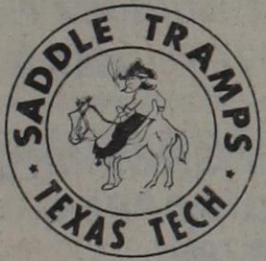
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Grain explosions not jarring Cargill

(C) 1978 N.Y. Times News Service

CHICAGO—Towering 165 feet above the cold dark waters of the Calumet River on Chicago's South Side, Cargill Inc.'s grain elevator was a gaudy, gray concrete tube silhouetted alone against a paler gray sky. There was no sign of motion around it the other day except yellow corn pouring from a high spout into the belly of a red river barge.

The scene, both in its colorless shape and apparent stillness, was nearly a duplicate of one three weeks ago at Westwego, La., near New Orleans, about 900 miles from here before the roaring flames and falling concrete from an explosion killed 35 men.

The Louisiana explosion was one of a series of four involving grain elevators that took the lives of 56 workers within a 10-day period, more deaths than in the 137 grain-elevator explosions of a previous 18-year period.

And the series of explosions was enough to shock the industry into new reviews of the way it handles grain.

But among the 65 employees here of Cargill, one of the world's two largest grain corporations, the sequence of explosions was not enough to shake the fatalism with which they approach their work.

"We don't even talk about it," said Leon Kasle, 52 years old, who smiled as he stood beside a panel of flashing lights that controls the automated flow of grain through the elevator. "We have a good safety program and a good place to work. I don't know of anybody that worries about going to work, worrying that this day could be his last, or goes home relieved that he survived another day."

"You could get it just as easily driving to work as here," said young Jerry L. Robinson, a 25-year-old federal grain inspector, even though he had escaped by only a few hours one of last month's fatal explosions. On detail to help at Westwego, he had worked the last shift before the explosion in which seven fellow inspectors died.

Kasle's control panel is on

the second floor of a small office building adjacent to the grain elevator, standing in the same relationship to the grain bins as did a shed in which many workers were killed in the Louisiana explosion. Robinson inspects grain in a cubicle high up in the concrete elevator structure.

Despite the industry's long history of accidents, many aspects of grain explosions remain a mystery, even though most show similarities and even though most grain elevators operate in much the same way, using a basic system that, except for automated controls, has changed little for decades.

Wherever grain is shipped through elevators, it is handled much as it is here, in a structure built early this century and last remodeled in 1921, according to Joseph Botos, 37-year-old elevator superintendent, who was showing a visitor through the operation.

The elevator itself is a cluster of 350 tall silo-like bins, cylinders standing like cells in

a concrete honeycomb. The grain arrives by truck or rail car and is dumped into receiving pits and then is moved—or elevated—by conveyor belt through enclosed conduits to the top and then into the bins. Through similar systems of enclosed conveyors, the grain may be moved from one bin to another or outside to loading spouts, to be funneled into waiting ships, barges or railroad cars.

Wherever the grain moves, a volatile dust rises inside the conduit, but at strategic points an attached pipe siphons off the dust, sifts it down through a funnel-like steel pod and deposits it in more condensed form, usually back on the same grain from which it rose.

Wherever the dust rises, at certain thus far undetermined proportions of particles of oxygen and at undetermined degrees of low humidity, it becomes a volatile, explosive mixture, susceptible to ignition from any spark, from an overheated roller or even from a hot, exposed light bulb.

On the first floor of the elevator here, a maze of conduits rises through a concrete ceiling to the bins above, and, 165 feet higher, atop the bins runs a system of enclosed conveyors. Everywhere, despite the enclosures, a fine dust is pervasive, sifting onto walls, floors and upright steel supports and leaving everything covered with a fine film. To minimize hazards, a cleaning crew is kept busy sweeping away the dust, and a maintenance crew continuously oils and inspects conveyor belt rollers to prevent overheating.

So cautious are operating crews and their managers that no smoking is allowed within 50 feet of the elevator except in enclosed offices, and now one is allowed to wear nailed-to shoes or boots that could strike sparks from

the concrete floors.

"We don't think there's any danger from a film like this," said Botos, touching a finger to fine dust on a steel surface. "But no one really knows what has touched off some of the accidents."

Up in his cubicle, overlooking the river from the top of the structure, Robinson showed little tendency to worry.

"My wife, my family, everybody wanted me to quit when those explosions happened," he said. "I don't think I will. This is a good job and I like it. Hell, nobody knows when his time is coming. You could get it just as easily driving to work as here."

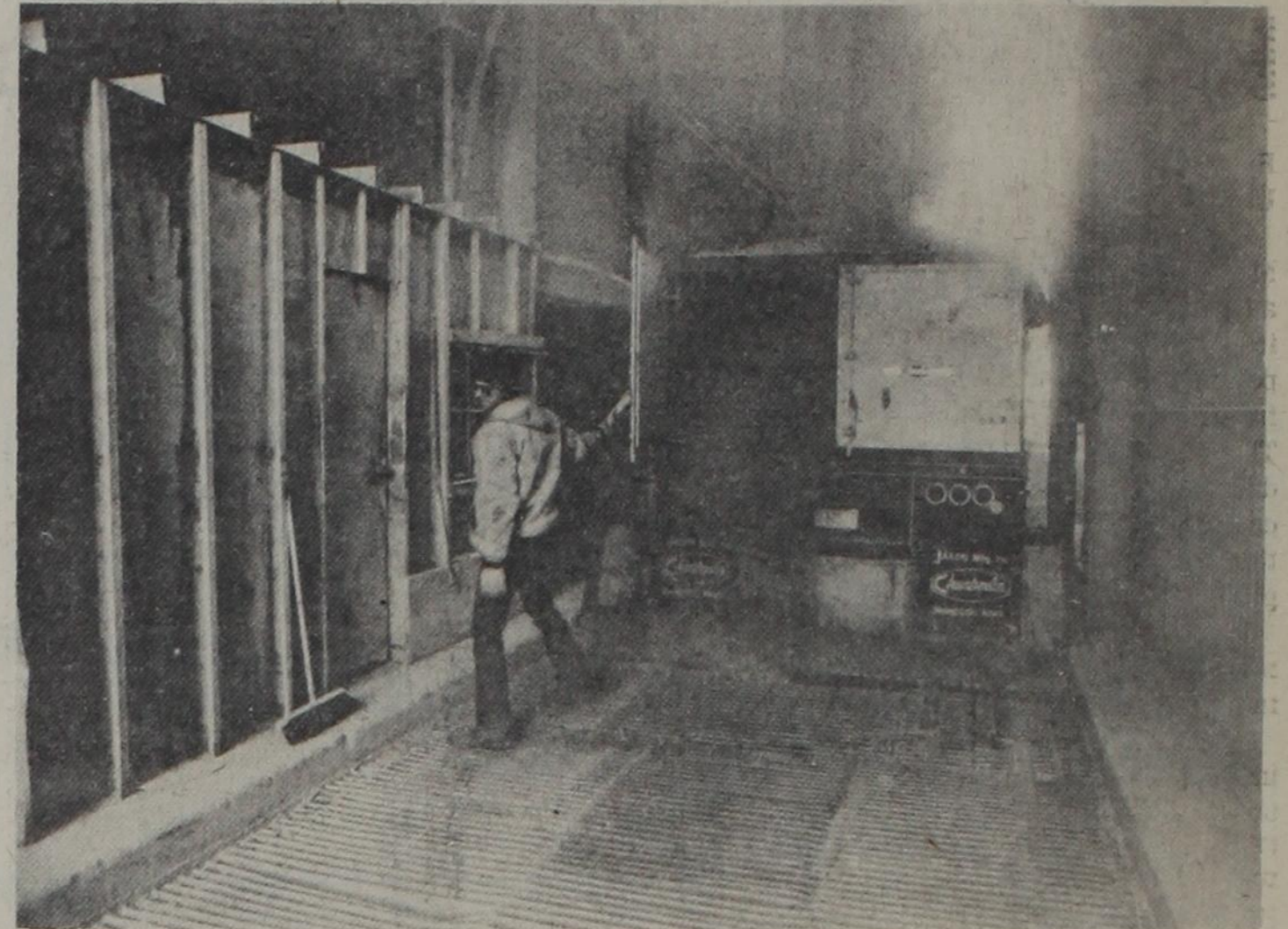
But Cargill's expert on grain elevator safety, Robert F. Hubbard, who is a vice president of the commodity marketing division, would feel much easier if some of the questions raised by the explosions could be answered.

He noted that the Louisiana explosion had occurred at a relatively new plant, one belonging to the Continental Grain Company, Cargill's biggest competitor.

"I'd feel better if I knew that they'd done something wrong, violated some safety rule," he said. "But from all I hear, that was a clean, well run elevator."

He noted that there had been reports that new regulations of the Environmental Protection Agency, which prohibit exhausting grain dust into the atmosphere, might have been responsible for the recent series of explosion, but he said: "I don't feel that should be a problem." He said systems now in use to draw off and contain the dust should be adequate to maintain safety.

Many mysteries about grain explosions remain, Hubbard said, though the industry is now planning studies designed to get some answers.



Potentially dangerous

A worker in Chicago's Cargill Inc. grain elevator unloads a truckload of grain, practicing an occupation which has the reputation for being potentially dangerous. Recent explosions in four U.S. grain elevators have raised safety questions.

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MOMENT'S NOTICE

DELTA PHI EPSILON
Delta Phi Epsilon, the international business and foreign affairs society is having a rush smoker tonight from 7 to 9 at the Wesley Foundation, 2420 15th St. Interested persons may come and all majors are welcome. Members are required to attend and suitable attire is encouraged.

WSO
Women's Service Organization will meet today at 7 p.m. in room 358 of the Business Administration Building. All members are required to attend.

ALPHA DELTA PI
Alpha Delta Pi will meet today at 6:30 p.m. in the Blue Room of the U.C.

AAF
The student chapter of the American Advertising Federation will meet Tuesday at 7 p.m. in room 104 of the Mass Communications Building. Plans for Mass Communications week and new officer's will be discussed. All interested students may attend.

ENTOMOLOGY CLUB
Entomology Club will meet Wednesday at 7:30 p.m. in room 101 of the Goddard Range and Wildlife Building. Dr. H. Bernard Hartman will present a seminar entitled "What is a Cockroach?"

ALPHA ZETA
Alpha Zeta will meet Tuesday in room 101 of the Range and Wildlife Building at 7:30 p.m.

UC PROGRAMS COUNCIL
The UC Programs Council is now accepting applications for the position of coordinator and assistant coordinator of the council. Applications for committee members are also available. The applications are due Feb. 9. For more information, call the Programs Council office at 742-3621.

ALPHA EPSILON DELTA
Today is the deadline for all interested premedical and predoctoral students to apply for membership in Alpha Epsilon Delta, a national honorary society. Applications and information concerning requirements may be obtained today between 8:30 a.m. and 12:30 p.m. in room 114 of the Chemistry Building.

LA VENTANA STAFF OPENINGS
La Ventana is now taking applications for staff members for Texas Parade Magazine. All interested people should apply in room 117 of the Journalism Building.

AHEA
American Home Economics Association will have a pizza party Tuesday at 6:30 p.m. in room 111 of the Home Economics Building for all members and those interested in joining. Bring \$1 for the pizza and markers to make posters.

HORTICULTURE SOCIETY
The Tuesday meeting of the Horticulture Society has been postponed until Feb. 7 because of the ALCA trip.

IEEE
IEEE will meet Tuesday at 7 p.m. in room 215 of the Electrical Engineering Building. Representatives from Texas Instruments will speak. Graduation and the all-sports banquet will also be discussed.

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1 limited
5 Time gone
9 Man's nickname
12 Journey forth
13 Plaster
14 Meadow
15 Clans
17 Part of "to be"
18 Small rug
19 The clama
21 Wear away
23 Smashes
27 Exits
28 Book of Old Testament
31 Flip device
34 Preposition
35 Soiled
36 Note of scale
38 Spider's trap
41 See eagle
42 Shy
44 Babylonian deity
46 Courage
48 Covering of an egg
51 Seasoning
52 Man's nickname
53 Faeroe islands whirlwind
55 Book of Old Testament
59 Everyone
60 Egg-shaped
62 Prefix far
63 Goliath mound
64 Labels

65 Ireland
DOWN
1 Rear of ship
2 Equality
3 Silkworm
4 Argues
5 Out of date
6 Article
7 Music: as written
8 Domestic
9 Nearly
10 Conduct
11 Doom
16 Landed property
20 Stoats
22 A state (abbr.)
23 Presentation
24 Sharpen
25 Conjunction
26 Offspring
30 Parts of scale
flower
32 Mine
48 Quarrel
49 Healthy
50 Booby
54 Girls
58 Skill
37 Command
40 insect
43 Note of scale
45 Man's name
58 Chicken
61 Symbol for silver fasteners

Answer to Saturday's Puzzle

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STATUE SPRINT
TARS AHS
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Ensemble performance 'mesmeric'

By DOUG PULLEN
UD Entertainment Editor

The Ensemble for Early Music awed and mesmerized a crowd of more than 400 with its Thursday night performance of the music from "Roman de Fauvel." The group worked through the difficult and arduous 14th century musical satire with the ease and style of seasoned professionals.

A brilliant performance was made possible by several factors.

enchanted the crowd with their vocal acrobatics. The pair drew laughter also for well-paced and sarcastically-tongued narration.

Performance: ...ON STAGE

But the crowd was enthralled most by the daring and almost unbelievable heights to which the singers' voices arose. Collins was from various percussives to lutes, a sacbut (which looks like a 14th century water pipe), hurdy-gurdy, flutes and recorders.

The instrumentalists maintained a subtle rhythm which is (inherent in the music) with exacting syncopation.

Countertenor Daniel Collins and soprano JoHana Arnold especially dazzling as his

high-pitched voice rolled to such astounding heights that he more than once drew gasps of disbelief from the crowd.

"Roman de Fauvel" was a radical and practically unheard of type of writing in the 14th century. Writers of such satire normally would suffer unimaginable punishments in those days.

But the ensemble showed a 20th century crowd that such works last and, with age, become classics in their own right.

And after Thursday night's performance, 400 Tech and Lubbock people may realize that the Ensemble for Early Music is a classic itself.

DTC to present 'Scapino'

The name Scapino means "to run off," and that's exactly what the servant Scapino does when things get rough for him in the play "Scapino."

The Dallas Theater Center will perform the play Tuesday at 8:15 p.m. in the UC Theatre. "Scapino" is the comedic story of a roguish servant who puts his miserly superiors in

their place. DTC's Robert A. Smith received critical praise for his portrayal of the lovable character in a November 1976 run of the play in Dallas.

Inspiration for "Scapino" came from Moliere, who wrote "Les Fourberies de Scapin." Moliere's play was first performed in 1671 in France. Moliere took the storyline from "Phormio," a Roman play written by Terence many centuries ago.

The play is of the "commedia dell'arte" genre, a form which allows for much improvisation. Well-disciplined bodies are required of the actors in order to tell the story physically.

"The style demands a compatible troupe of players, a well-blended ensemble of inventive actors," wrote Robyn Flatt, who chronicled the play for the DTC's program notes.

Dallas Theater Center opened in 1959. Its usual theatrical fare ranges from Shakespeare to Broadway musicals. Playwrights from DTC received much national attention after a festival was conducted in 1974 for

American and European directors, producers and critics.

Among the center's most prominent playwrights is Preston Jones, who wrote "The (Bradleyville) Texas Trilogy" which ran at Washington's Kennedy Center in the summer of 1976.

Tickets for the performance are \$3 for Tech students with ID and \$6 for others. Tickets are available at the UC ticket booth and the South Plains Mall location of Hemphill-Wells.



Ensemble

Members of the Ensemble for Early Music rehearse before their performance of "Roman de Fauvel" last Thursday night in the UC Theatre. Pictured from left to right are ensemble Director Frederick Renz, countertenor Daniel Collins and soprano JoHana Arnold. The group used narration and an assortment of 14th century instruments in its performance of "Roman de Fauvel." (Photo by Karen Thom)



744-1472

Entertainment

MUSIC

American Composers Concert for free at 8:15 p.m. Tuesday in the Rectal Hall. The concert is being sponsored by the Zeta Sigma Chapter of Phi Mu Alpha Sinfonia.

Nanci Griffith in a free concert Wednesday from 11 a.m. to 1 p.m. in the UC Courtyard.

8 p.m. in the UC Theatre. Admission is \$1. "A Star is Born" starring Barbra Streisand and Kris Kristofferson Friday in the UC Theatre. Admission is \$1 with Tech ID. Screenings are at 1, 3:30, 6 and 8:30 p.m.

"The Pursuit of Happiness," Civilization series, Sunday at 3 p.m. for 50 cents in the UC Theatre.

The ISN'T Program for \$1 Thursday at 8:15 p.m. in the UC Theatre. The program is being presented by the music department, dance division and the art department.

Entries are being accepted through March 31 for the UC's Amateur Film Festival. Winners will be announced in April. The first place winner will receive \$50 and the second place winner will receive \$25. Categories are black and white, color, super 8mm, 8mm and 16mm. There are no requirements on the film's age. Films can be with or without sound. Material which might be considered X-rated will not be permitted.

Rags to Riches through Saturday at the Hub Club in South Park Inn.

Emerson, Lake and Palmer Feb. 19 in the Municipal Coliseum. Tickets are \$6 advance and \$7 the day of the show. Tickets are available at B&B Music and the South Plains Mall location of Ai's Music Machine.

"Scapino" by the Dallas Theater Center, Tuesday in the UC Theatre. Admission is \$3 for Tech students with ID and \$6 for others. Tickets are

THEATER

"Sunset Boulevard" Wednesday at 8

MOVIES

available at the UC ticket booth and the South Plains Mall location of Hemphill-Wells.

"Kasper" by the Lab Theatre. Reservations can be made by calling 742-3601.

"Blithe Spirit" by the Lubbock Theatre Centre Feb. 3, 4 and 10, 11.

VIDEO TAPE

"The Guinness Book of World Records" Monday through Friday from 10 a.m. to 4 p.m. in the UC West Lobby.

OTHERS

"Brushstrokes" exhibition every Saturday and Sunday at 3 p.m. through March 12 in the Tech Museum.

"The Transforming" photo exhibition through Feb. 15 in the Tech museum.

UPCOMING

The Charlie Daniels Band in the Municipal Auditorium. Tickets will cost \$7.

Kenny Rogers March 12 in the Municipal Coliseum.

Foghat March 18 in the Municipal Coliseum.

Steve Martin March 31 in the Municipal Auditorium.

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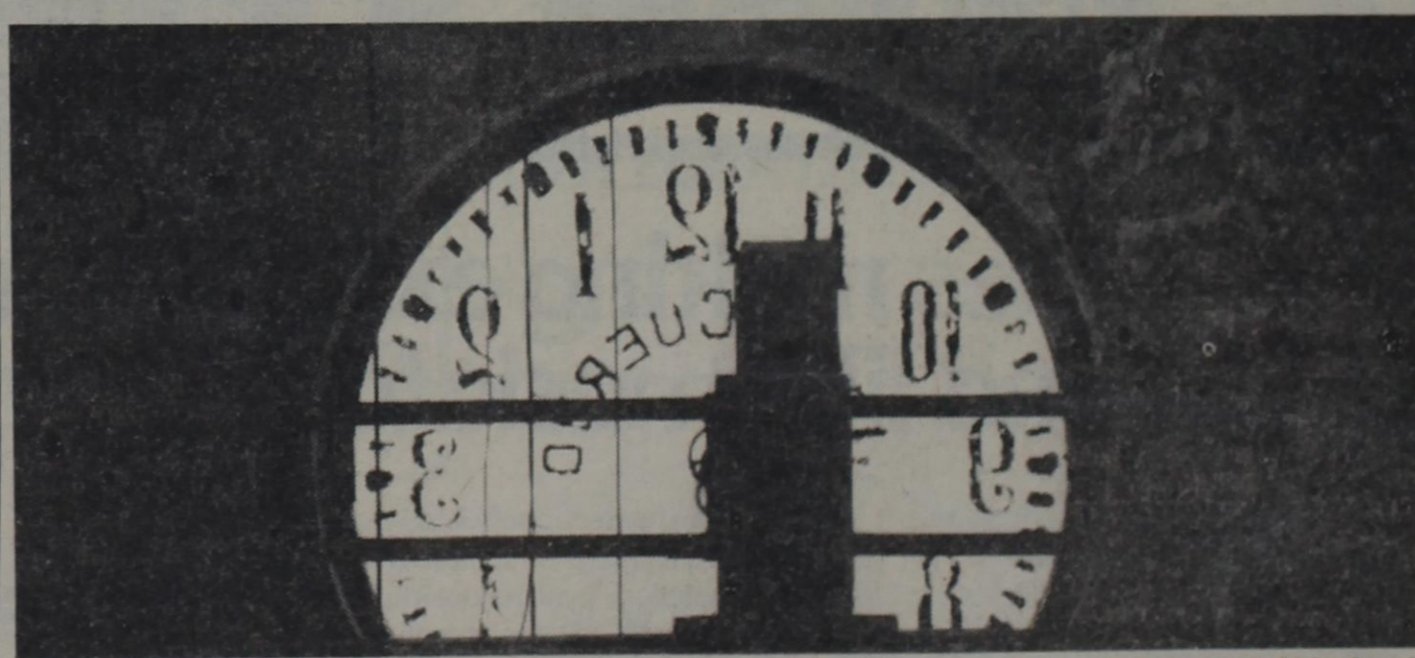
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Hogs silence the 'Bubble'

BY GARY SKREHART
UD Sports Editor

Sidney Moncrief sent a dunk through the hoop in the second half Saturday that thundered through the stands and left the crowd silent and Tech down by 12 points.

The Razorbacks played with the same confidence the entire game and with the silence after the storm left the bubble with a 54-49 victory over the Raiders.

Ron Brewer, who hit 65 percent of his shots from the field, combined with Moncrief in the same half on a fast break where they demonstrated confidence...and

some magic. From half court, they never put the ball on the floor and finished the show with a layup on the break against the stunned Raiders. Brewer put through 21 points against two men most of the game. Kent Williams was laying back in the middle to pick up the shooter, but Brewer was jumping for the rafters as he unleashed his silky one-hand jump shots.

Williams felt the Raiders played good defense but Arkansas was consistently hitting from the outside. "Arkansas' overall talent just showed through in the end," Williams said. "They are just super ball players. The difference in the game was they were coming down and hitting."

Arkansas did not surprise Tech. The Raiders expected the Razorbacks to play the deliberate offense and quick aggressive defense that turned away every Tech effort to pull even.

"We knew what they were going to do," Joe Baxter said. "We played pretty good defense and made them take the shots we wanted them to take. They just didn't miss."

Ralph Brewster, the Tech freshman forward from El Paso, sparked a rally in the second half that drew Tech within four points of Arkansas, 47-43, but he felt the Razorbacks were able to control the tempo of the game. "Arkansas was able to handle the ball better. To win you have to execute well, and they did," Brewster said.

Tech's Geoff Huston saw the turning point coming late in the first half when several turnovers left the Raiders down by five points at halftime which represented the Hogs' margin of victory.

"We worked ourselves back and close enough to win, but then we just didn't pull it off," Huston said.

Brewster echoed Huston. "There were a couple of times we had some momentum going and took good shots but they just didn't fall. Brewster said.

But Tech was hitting at a 55 percent clip for the game and 68 percent in the second half. A good night shooting. The Raider cagers played well, well enough to win on most nights.

Tech rally falls short; Razorbacks win, 54-49

By CHUCK McDONALD
UD Assoc. Sports Editor

There were just over four minutes left in the first half and Tech led 19-18 against the nation's number four ranked team—the Arkansas Razorbacks. Then the Raiders did something they couldn't afford to do—they turned the ball over three times and Arkansas zoomed to a 24-19 halftime lead.

That 5-point margin held up through the second half and the 54-49 victory gave Arkansas its 19th win against one loss while Tech fell to 13-6. The Hogs are now 7-1 in SWC play and the Raiders finish the first round of conference action with a 5-3 slate.

"I THOUGHT a real key was when we were ahead 19-18 and then turned the ball over about three times," said Tech coach Gerald Myers, "and they scored every time."

Two of those scores came on short Ron Brewer jumpers that proved impossible to stop. Brewer, who performed as well as any college player could play, was the difference in the contest, leading all scorers with 21 points.

Tech was behind by 12 points with just under 10 minutes left in the game, but the Raiders refused to die. Freshman Ralph Brewster came in and ignited a rally that came heartbreakingly close but fell just short. He started things off by blocking a Sidney Moncrief lay up, hit on a layup of his own, stole the ball and then connected on a six-footer.

GEOFF HUSTON, who led Tech's point production with 12, decided to enter the act. He sank two 20-foot jumpers and

the next time the Raiders got the ball the New York native slipped inside and put through another basket. The Hog lead had been narrowed to four, 47-43, and when Razorback forward Marvin Delph drew an offensive foul Tech got the ball with 2:17 remaining to be played.

This was it. The crowd, well aware of that, came to their feet—all 9,487 of them. But it was not to be, in all the Raiders took four shots that could have cut the margin to only two points. None would fall.

AT THIS point Arkansas moved into the free throw line where they got 5 of their last 7 points. In fact, the Raiders defeated Arkansas from the floor 48-46. On the night, Tech went to the free throw line one time.

"There were a couple of times when I thought we had some momentum going and we took good shots but they just didn't fall," said Ralph Brewster of the loss. And that wasn't all he had to say.

"The refs weren't letting us play," said Brewster. "But they were letting Arkansas play, I got hit with elbows and everything else."

In the first half neither team went into the one-and-one bonus situation that comes with the team's seventh foul. And in the second half Arkansas only went into the line for their one-and-one in the final two minutes of the game when Tech was forced to foul in an attempt to get the ball back.

SO AS THE officials saw it, the game was one of the cleanest in the history of basketball. But watching the

contest it appeared more like a war. It has become apparent, although no one will say so, that before the season the referees were instructed to open it up a bit. It now looks like the game has been opened up a little too much.

BESIDES Huston's 12 points, Tech had three other players who got into double figures. Mike Russell had 11 and Kent Williams and Mike Edwards each had 10. The statistics on the game are amazingly even. Both teams shot 55 percent from the floor and both had 20 team rebounds apiece.

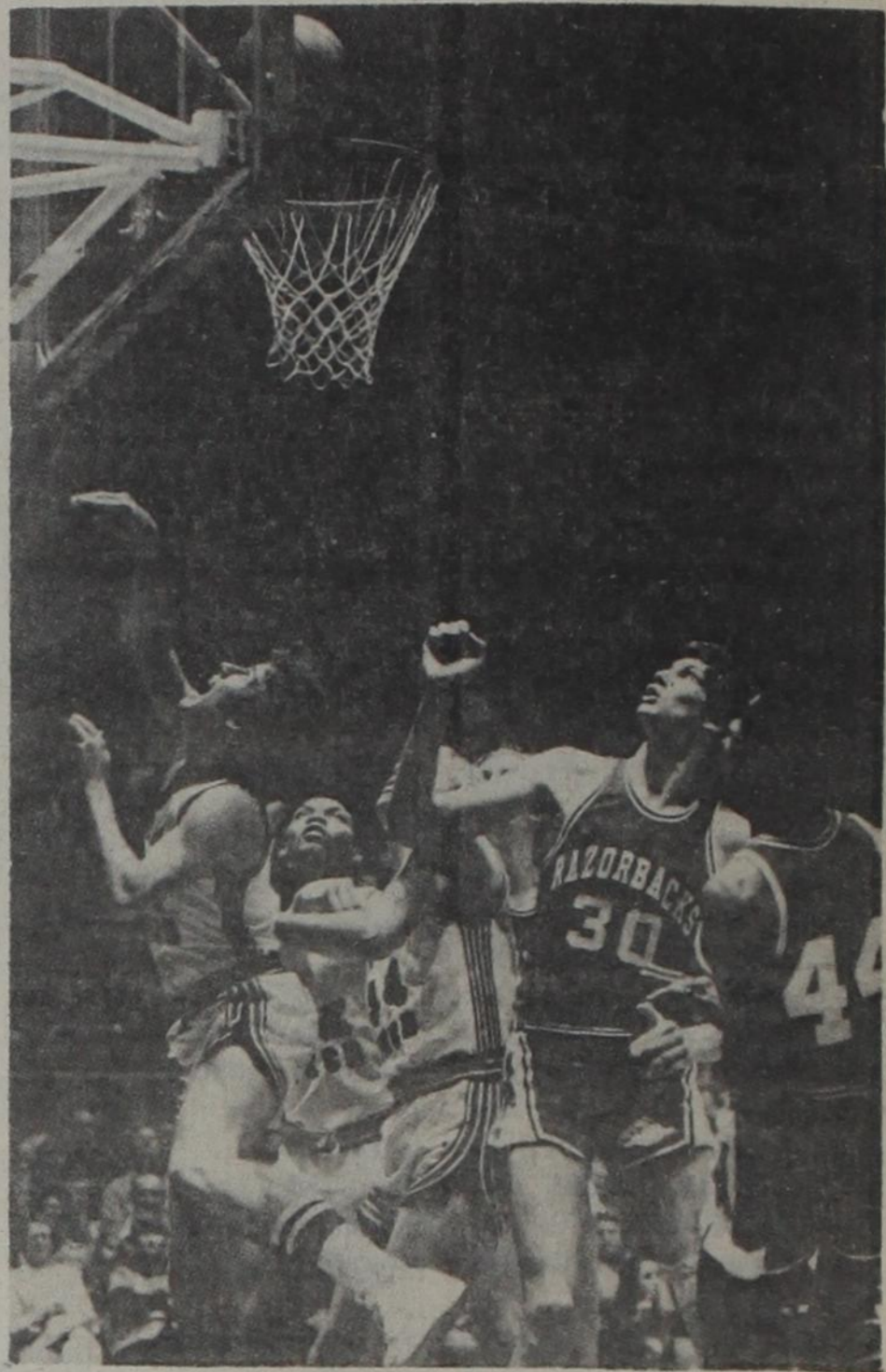
There was one difference: Arkansas went to the line 13 times Tech went once.

TCU next Tech foe

Tech basketballers travel to Fort Worth tonight to face the Horned Frogs of TCU who are still in a bit of a daze after their victory over Texas A&M last Wednesday. It was TCU's first basketball win after 24 SWC losses.

But with their loss to Baylor on Saturday TCU ended the first round of conference play with a 1-7 mark. Expected to start for the Frogs are 6-2 Wendell Bates, 6-3 Aurdie Evans, 6-6 Tim Marion, 6-6 Steve Scales and 6-3 Delmonte Taylor.

Scales leads the TCU offense, averaging 15 points a game.



Fall, baby

Senior Mike Edwards screams at the ball to fall in the basket—so it did. Edwards connected on five of eight attempts from the floor for ten points. Looking on in admiration are Razorbacks Steve Schall (30) and Marvin Delph (44). (Photo by Dennis Copeland)

Tech nabs wins

Tech's track and field team landed four victories Saturday as the Raider thinclads launched their 1978 indoor campaign at the Lubbock Christian College Fieldhouse. No team totals were assessed in the six-squad affair.

One of the biggest surprises came in the high jump where Freshman Billy Stone, in his first collegiate meet, upset NAIA "All-American" Bill Cork of Abilene Christian. Both competitors topped 6

feet, 7 inches, but Stone was declared the winner on fewer misses.

Another of the Raider tracksters to claim top honors on the Lubbock Christian 220-yd concrete track was sophomore Charles Green, who blazed through the 60-yard dash in 6.3.

Terrell Peadleton, competing in the first of his last four collegiate meets, darted by Abilene Christian's John Kebero in the final lap of the one mile run to record a winning time of 4:21.7.

Another Raider thinclad to sprint the final lap to victory was sophomore Robert Lepard, who drew past Lubbock Christian's Willie Sang to successfully defend his 880 title in 2:01.2.

The Tech tracksters also dominated the 600-yard dash as sophomore Randy Yates and freshman James Mays finished second and third places.

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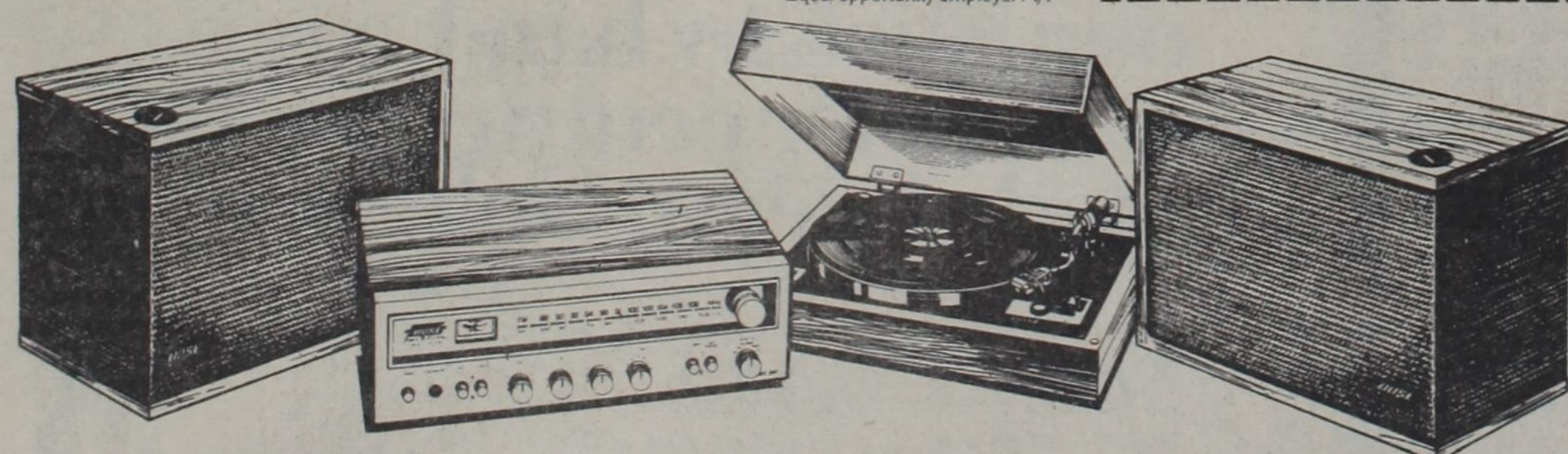
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Queens conquer Tech, 74-61

BY LISA BURGHER
UD Sports Staff
A last gasp effort by Tech's women basketballers was not enough to overtake the Wayland Flying Queens Saturday in the Coliseum, but the 74-61 outcome did redeem Tech from its less than respectable showing against the Queens 10 days ago.

Wayland, who defeated the Raiders 95-43 in the first contest, had much more of a game on its hands Saturday. Although the Queens took a 27-8 lead halfway through the first half, the Raiders came back in the last part of the second half to narrow the margin considerably.

The Queens held a 40-22 halftime edge, and during the first 10 minutes of the second half they opened up their lead to 58-29. Perhaps with visions—or nightmares—of a repeat of the first game running through their minds, the Raiders started playing good, solid basketball during the last 10 minutes.

Tech's defense, led by seniors Karla Schuette and Marilyn Payton, caused several Wayland turnovers, and in fact the Queens out-turned Tech, 25-20. However, the Raiders were not strong enough to overcome Wayland's strong bench, and the 13-point deficit was the closest Tech ever came. The Queens outshot Tech from the field, 56 percent to 45 percent. D'Lynn Brown, who scored many points in the

Snow doesn't stop golf practice; team readies for Monterrey meet

BY MIKE VINSON
UD Sportswriter
"We practice everyday there is not a blizzard. Even then we have a net in the old intramural gym to hit balls into. You don't have to worry about getting college golfers to practice. You sometimes have to run them off the course," Tech golf coach Danny Mason was talking about the Tech golf squad and the upcoming spring season. Mason believes that such dedication and a year's experience will pay off during the spring round of play kicking off Feb. 9 with the Monterrey Invitational at Monterrey, Mexico.

States and four teams from Mexico. "The Monterrey tournament gives us a chance to play early and to play some top teams from the north. Playing in this tournament gives us a three-week head start," Mason said. The Tech golfers and their averages are Greg Jones, 75.31; Dennis Northington 75.40; Kent Wood 76.31; Mel Calender, 76.36; Jean Francois St. Germain, 76.25; Scott Larsen, 78.72; Scooter Parks, 78.50; and Steve Skinner, 80.00. Jones, a sophomore from Colorado Springs, is the top qualifier from the fall round of play.

"We had a real young team in 1976-1977. Last year was really a rebuilding year. I expect our players to come around this spring and play well." The Monterrey tournament is a three-day affair involving 22 teams from the United

"This is the type of team that will get better as they learn to play together," Mason said. "These guys get along together and work as a team better than any players I have ever had." "Most people think of golf as an individual sport, but many times you will not let a team down where you would let yourself down."

Swimmers set four records

Tech's women tankers set four school records Friday in the Men's Gym but came out behind in total points against the University of Wyoming. And then captured second the following morning in the Tech Invitational. Wyoming took first in the meet with New Mexico State coming in third, Texas Christian fourth, and the University of Texas at El Paso fifth.

In Friday's action Priscilla Smith, Dana Martin, Denise Shipman, and Meda Morgan broke a school record in the 400 medley relay with their time of 1:57.46 to finish second to Wyoming. Other records broken were in the 50 backstroke where Priscilla Smith took first with a time of 30.08; the 500 freestyle in which Meda Morgan swam

her best ever with 25:97 to take first; the 100 individual medley with Smith swimming a 1:05.22 for a second place; and the 200 freestyle where Meda Morgan swam her life best at 2:06.85 for third place.

In the 500 freestyle Sarah MacDonald swam a 5:48.46 for third. Denise Shipman and Ruth Mansfield finished second and third in the 100 freestyle with respective times of :58.08 and :59.99. Dana Martin captured second in the 50 breaststroke with her time of :34.89 and Susan Ehlers took first in the 100 backstroke with her time of 1:10.20. In the 100 butterfly Denise Shipman swam a 1:03.62 for first place and was followed by Carol Gilliam swimming a 1:06.93 for third.

Julie Mader took second in one-meter diving and third in three-meter diving. Dana Martin swam a 1:08.49 in the 100 individual medley for third and took second in the 100 breaststroke with 1:16.50. Sarah MacDonald touched after her in third with 1:19.94. Denise Shipman won first in the 50 butterfly with her :28.35. In the 400 freestyle Relay Meda Morgan, Carole Machol, Ruth Mansfield, and Priscilla Smith out-touched Wyoming but had two false starts giving them second place with their 1:45.34 time.

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TECHnique

This page of the UNIVERSITY DAILY is written, edited and published monthly by Texas Tech University News and Publications. The next issue of TECHnique is scheduled for Feb. 27.



APPRECIATION FOR SECRETARY—Grace S. Thompson, secretary in Student Life, received an award of appreciation for her service to students at the university. She has been a secretary in the office of Dean of Students Lewis N. Jones six years. The presentation was made by Beta Sigma Chapter of Alpha Phi Omega, a service organization which Dean Jones has sponsored for the past 48 years. (Photo by Dan English)

Puppets and manipulators to convene at Texas Tech

GEORGE WASHINGTON watched them, the Indians used them ceremonially, and today's children learn from them. Soon, they, the puppets, will arrive at Texas Tech University for the 39th National Festival of Puppeteers of America, June 25 - July 1.

The festival will include a host of puppeteers directing workshops on educational, general, professional and bilingual puppetry and performances and exhibits.

Services afforded to persons attending the festival include information on performances, performers, books, pamphlets, supplies and new techniques.

Puppeteers of America is open to anyone working with or interested in any form of puppetry. The organization's purposes are to advance the cause of puppetry through national festivals, performances, exhibitions, lectures, demonstrations, puppet store exchanges, and to publicize puppetry achievements throughout the world.

Puppets from all over the United States and elsewhere will be arriving in Lubbock for the festival. Puppeteer Rudy Gaytan of Crawfordsville, Ind., completed preliminary plans, in a recent visit to Texas Tech, for an early performance of the Fred Cowan Puppets in Lubbock and for exhibits for the 39th National Festival.

Gaytan's job is to design the exhibit of puppets in the Texas Tech Art Gallery as a part of the festival. Approximately 1,000 puppeteers and others will attend the conference and live in the Texas Tech dorms.

The Fred Cowan Puppet Company's March 7-9

performance will be entitled, "Western Daze." Gaytan designs puppets and costumes and choreographs numbers for them.

Puppetry is used as a teaching tool in schools, churches, television shows, hospitals, homes, businesses, museums, theater showings, amusement parks and shopping malls.

The first National American Puppetry Festival was held in Detroit in 1936. Since that time, except for a slowdown during the war years, puppetry organizations, guilds and festivals have experienced an increase in membership.

The Texas Tech efforts for the puppetry festival are directed by Peggy H. Bright, Texas Tech art professor.

Two development leaves approved

TWO FACULTY development leaves will be approved for the academic year 1978-'79.

Applications and substantiating letters of recommendation for the leaves must be in the hands of the Faculty Development Leave Committee not later than March 1 of this year. Application forms may be obtained in the Faculty Senate Office (Room 3G, Holden Hall).

By statute, development leaves are intended to "add to the knowledge available" to faculty members, students, the institution and society by enabling faculty members "to engage in study, research, writing and like projects." Faculty members may apply for leave for one academic year at one-half of their regular salary or for one-half academic year at full salary.

Men-women ratios at Texas Tech show changes

SHIFTS in enrollment at Texas Tech University over the past decade indicate that men and women are looking at new career fields as they plan their futures.

Dr. Arnold J. Gully, associate dean of the College of Engineering, said he believed that a shift in social attitudes is the factor most responsible for the changes which show more men majoring in home economics and more women in agricultural sciences, business administration, engineering and law.

Total figures show more women attending the university. While 39 per cent of Tech's 1967 enrollment of 18,646 were women, 43.5 per cent of the fall, 1977, enrollment of 22,358 were women.

Enrollment figures for various colleges also reflect shifts in goals.

The School of Law opened in 1967 with five women students. Records for 1977 indicate an enrollment of 95 women. In agricultural sciences the number of women enrolled rose from 50 to 297 in the past 10 years, in engineering from 99 to 208, and in business administration from 751 to 1,463. In the Graduate School 1967 figures showed 570 women enrolled while 1977 figures show an enrollment of 1,253 women.

The College of Home Economics showed a similar although not as sharp a rise in the number of men enrolled. There were nine men in the college in 1967 and 74 in 1977.

The colleges of Arts and Sciences and Education reported increased numbers of women attending but no discernible shift in goals. Arts and Sciences had 3,593 women enrolled in 1967 and 4,061 in 1977. The College of Education opened in 1967 with 1,412 women enrolled, and last fall the number of women was 2,038.

In each of the colleges in which the number of women has increased sharply, deans report that good jobs are available for female graduates.

Dr. William P. Dukes, associate dean for undergraduate programs in the College of Business Administration, said that in many cases "women are more fortunate than men.

"Industry is looking for bright young women who can compete," he said.

Dr. Annette W. Marple, assistant dean of the School of Law, said that women lawyers have discovered a new social acceptance. More and more women lawyers are being hired by government and "firms are seeing the advantage of having women in the field. There is more confidence in the abilities of women," she said.



AWARDS FOR EXCELLENCE—Recipients of the first annual Awards for Excellence at Texas Tech University were named at a Christmas program in December. The awards were presented to outstanding employees from various levels of the university and the School of Medicine. School of Medicine recipients, shown above, with Texas Tech President Cecil Mackey, second from left, are, from left, Thomas R. Blackburn, assistant director, purchasing, Purchasing Office, outstanding supervisor; Carrie Larkin, administrative services

officer, Regional Academic Health Center, Amarillo, outstanding employee; and Merron H. Teague, registrar, office of the Registrar, outstanding administrative employee. University recipients, shown below, were, from left, Guillermo L. Franco, foreman, Grounds Maintenance, outstanding supervisor; Betty V. Massey, budget analyst, Budget Office, outstanding employee; and Marvin S. Buckberry, director, Building Maintenance and Utilities, outstanding administrative employee. (Photos by Dan English)

Study designed to bring rain

A SCIENTIFIC STUDY into how clouds form and produce precipitation is part of a multi-university research project delving into methods for weather modification and increased rainfall for the Great Plains.

The study at Texas Tech is done through use of a meteorological satellite. Geosciences professor Gerald M. Jurica is project director.

"The satellite over the eastern Pacific can scan cloud formations from the North to the South Pole in 20 minutes," Jurica said.

Overall purpose of the project, funded by the U.S. Department of Interior and conducted by several Great Plains region universities, is to increase rainfall in the Great Plains region, Jurica explained. The Texas Department of Water Resources is assisting in funding the Texas portion of the project.

More Study Needed

More research is needed on cloud systems before a practical plan can be developed for increasing the amount of rainfall over such a large area, according to the Texas Tech professor.

"While we are trying to learn how clouds form and what leads to precipitation, Texas A&M University is studying wind patterns on the earth's surface during cloud build-up," he said.

The Tech-A&M project surveys cloud formations within a 90,000 square kilometer area around Big Spring.

Some of the features obtained during analysis are location of initial cloud development, rate of cloud growth and direction of cloud movement. The data are collected every 30 minutes, which permits study of the rapid changes that can occur in a cloud formation.

Two Years Needed

"The most interesting thing we've found through our research so far is that in the course of a day general cloudiness in the morning is likely to become organized and vigorous in the afternoon hours in the summer. We are now trying to detect where significant cloud developments will be in the late afternoon. Use of the satellite in the morning may one day lead to cloud modification later in the day.

The project is geared to summer-time conditions and it is the data collected from summer days that Jurica studies.

He would like to extend the study with weather satellites to focus on thunderstorms and is planning a program of this type.

The cloud study project should be complete in two years. The U.S. Department of Interior seeks a working program of weather modification leading to increased rainfall by the early 1980's, according to Jurica.



Bank management chair established at Texas Tech by I. Wylie Briscoe

THE FIRST ENDOWED chair to be established at Texas Tech University by an individual has been announced by President Cecil Mackey.

The I. Wylie Briscoe and Elizabeth Briscoe Chair in Bank Management of the College of Business Administration is also the first chair in bank management to be established at any Texas university.

Texas Tech honored Briscoe, a founder and director of American State Bank of Lubbock and retired executive of Anderson, Clayton & Co., Jan. 18, at a 4:30 p.m. reception. He also was honored at a luncheon at the University Center and at a reception earlier in the afternoon in the College of Business Administration.

President Mackey commented that the single most prestigious gift to a university's endowment program is that of the endowed, named chair. He added,

"Increasingly in recent years friends of colleges and universities have proven the major source of vital support, rather than that of corporations, foundations or even alumni. Certainly Mr. Briscoe's gift denotes his recognition that an excellent public university cannot be built with state appropriations alone. While state legislators bear responsibility for building strong foundations for public universities, no great state university emerges without the support provided by private bequests, gifts and grants."

Briscoe originally established a trust for purposes of endowing the chair. Principal of the chair will be approximately \$500,000. Business Administration Dean Carl H. Stem commented, "The field of banking for which the funds will be used is one of the most dynamic and rapidly changing areas of business in the country, especially in Texas and the Southwest. This endowment will enable the college not only to attract a nationally renowned faculty member in the area of banking but also to add substantially to the educational program that the college offers at the undergraduate and the graduate level for young men and women interested in banking.

"In light of current needs for executive and managerial personnel in Texas, one of the most rapidly growing states in terms of business activity, there could be no better designation for the use of these funds."

The only other endowed chair at Texas Tech is the one established in the Department of Chemistry by the Robert A. Welch Foundation of Houston.

It happened to . . .

W. LAWRENCE GARVIN, appointed associate dean of architecture in the Texas Tech College of Engineering. He also was named chairperson of the Division of Architecture. He came to Texas Tech from the University of California where he was coordinator of physical planning for the system's nine campuses.

JACQUELIN COLLINS, elected to the Council of the American Association of University Professors. Dr. Collins is associate professor of history and immediate past chairperson of the Executive Committee of the Faculty Council.

ROBERT H. ANDERSON, dean of the College of Education, has been elected to the Board of Directors of the American Association of Colleges of Teacher Education. His term will begin at the end of the February meeting of the association in Chicago.



PUPPET FESTIVAL—Puppeteer Rudy Gaytan of Crawfordsville, Ind., and Peggy Bright, Texas Tech University art professor, demonstrate puppets in preparation for the 39th National Festival of Puppeteers of America to be held at Texas Tech,

June 25 - July 1. Gaytan visited Texas Tech to complete preliminary plans for an early performance of the Fred Cowan Puppets in Lubbock, March 7-9, and for puppet exhibits during the festival. Bright is the festival chairperson. (Photo by Dan English)



I. Wylie Briscoe