



Controversy over ban on Catalyst still hot

Catalyst representatives John Fletcher and John Hughes met with Dr. Glen Barnett yesterday to discuss the fate of the current issue of The Catalyst which had been banned from campus sales.

Also present at the meeting was at least one lawyer, Thomas J. Griffith, who

represented the American Civil Liberties Union (ACLU). Griffith refused to reveal who attended the meeting or what was discussed on the grounds that he would be violating "legal canons of ethics."

HUGHES ALSO DECLINED to say who

was present or what was said but said they are expecting a statement from Barnett today.

Dr. Owen Caskey, vice president of Student Affairs, banned on-campus sales of the paper but said the banning applied only to the current issue of the paper.

Fletcher, a Catalyst editor, said the ACLU had been contacted to investigate the legality of the banning.

Caskey said he had conferred with legal council before banning the paper and was told the administration had the legal right to review and ban publications.

The publication was banned Tuesday because it was termed in poor taste and poorly worded, Caskey said.

Nelson Longely, director of the Tech Union brought the publication to Caskey's attention and told him that issue of The Catalyst would not be sold in the Union.

The bookstore also refused to allow the paper to be sold there. Caskey then ended all campus distribution.



CATALYST STILL SELLING — The Catalyst, underground newspaper banned Tuesday from sales on the Tech campus, was distributed off campus yesterday. A girl who calls herself Sunshine sells a

copy to Tom Potter. Catalyst employes told UD reporters that off-campus sales have been successful. (Staff photo by Bruce Ott)

News focus

Today

By The Associated Press

Talk of game still early

WASHINGTON — Coaches for Texas and Penn State, the nation's No. 1 and No. 2 ranked football teams, said yesterday no agreement has been made for the two schools to meet next September.

Both Darrell Royal of Texas and Joe Paterno of Penn State said, however, the two schools had discussed the possibility. They vehemently denied the game was agreed upon. Each said there are administrative procedures that have to be met.

Shortly after the National Collegiate Athletic Association voted Wednesday to permit an eleventh game, one more than schools previously had been permitted, word spread that Texas and Penn State would meet Sept. 12 at University Park, Pa., on nationwide television with each school receiving \$180,000.

"I don't even know if we will be permitted to play an 11th game," said Royal. "Our school voted against the proposal and so did the Southwest Conference."

The Southwest Conference prohibits the playing of more than 10 games but Wilbur Evans, SWC official said the eight faculty representatives would meet at an early date to discuss the NCAA's new ruling.

Both coaches agreed, however, that a game between the two schools would be quite a contest.

Quarantine lifted

SPACE CENTER, Houston—A committee charged with protecting the world from diseases from the moon yesterday lifted the requirements for quarantine of astronauts returning from lunar exploration.

The Interagency Committee on Back Contamination, which controlled decisions on the Apollo 11 and Apollo 12 quarantines, ruled after a meeting yesterday that "there is no need to impose quarantine on the crews, the lunar samples or equipment on subsequent Apollo missions."

The ruling came as a recommendation to the National Aeronautics and Space Administration head, Dr. Thomas O. Paine. He is expected to order quarantines discontinued for all future moon-landing crews.

Extra game delayed

DALLAS — Howard Grubbs, the executive secretary of the Southwest Conference, said yesterday it will be at least a month before any action can be taken on the National Collegiate Athletic Association's addition of an extra game to the college football schedule.

"The rule in the books says in order to change the current 10-game schedule we have to have a meeting and must give 30 days notice of the proposed amendment prior to the meeting," Grubbs said.

"Up to now, no meeting has been called and I'm not positive it will be before spring."

The NCAA, in its meeting at Washington, okayed an 11-game schedule.

Grubbs said "We discussed it in our December meeting. The majority was in favor of it at that time. I would say by the time they got to Washington the faculty representatives were pretty well split on the matter."

Grubbs said if the SWC adopted the NCAA plan it didn't necessarily mean that league schools would have to schedule 10 games.

AFL-CIO requests rate cut

AUSTIN — The Texas AFL-CIO asked the State Insurance Board yesterday to reduce the rates for credit insurance — "a large and highly profitable business" — which guarantees payment of a debt if the borrower should die.

"The Texas AFL-CIO feels that the current rate structure in the credit insurance field is geared to enrich the insurance industry, rather than to protect the lender, and that is the consumer who must bear the brunt of high and unnecessary costs," AFL-CIO President Hank Brown said.

Brown said the credit insurance industry's losses "almost invariably" amount to 20 to 30 per cent of premiums.

"With this small incidence of loss, surely the rates of credit insurance could be substantially reduced without depriving the industry of a reasonable profit."

Records set in oil

NEW YORK — The nation's oil industry set records in refining and in oil and gas production in 1969, Frank N. Ikard, president of the American Petroleum Institute said yesterday.

In a review of the past year, Ikard also said that U.S. consumers used a record average of more than 14 million barrels of petroleum products a day during 1969. This represented a 5.1 per cent increase over 1968 and a 50 per cent boost over the 1959 figure.

Motor gasoline sales increased about 5 per cent in 1969. Crude-oil refining averaged 10.5 million barrels a day, up from 10.3 million a day in 1968.

Production of crude oil averaged 8.8 million barrels daily, a 1.1 per cent increase over 1968, while natural gas production amounted to 20.8 trillion cubic feet, a 7.6 per cent boost over last year's figure.

Although early estimates indicate a slight increase in drilling during 1969 over the previous year, Ikard expressed concern because the number of exploratory wells drilled was 29 per cent below the number in 1959.

High school youth arrested

TCU player slain in fight

FORT WORTH (AP)—Police arrested a high school youth yesterday after a Texas Christian University football player was slain in a sudden, violent and reportedly unprovoked fight.

Barry Lynn Leatherman, 18, a starting lineman on TCU's freshman squad, was shot down moments after watching his former high school basketball team beat a crosstown rival Wednesday night.

He attended the game, a companion said, only "to break the monotony" during a school semester break.

INVESTIGATORS ARRESTED an 18-year-old Como High School pupil about noon yesterday but did not file charges at once.

They said a second man, 21, was being held as a witness and a third arrest was expected.

Witnesses said Leatherman suffered the fatal gunshot wound during a brief fight with three youths outside Fort Worth's public schools gymnasium.

Investigators said witnesses did not hear a shot fired.

Leatherman, a former all-district guard at Carter-Riverside High, died of a gunshot wound in the chest.

"**THE BLAST KNOCKED** the lining off the inside of his mackinaw coat, indication the shot was fired at close range," medical investigators reported.

Cafeteria help face changes, cutbacks

Changes in the girls' dormitory office hours and a reshuffling of cafeteria personnel have become apparent lately in many of the girls' dormitories. Some people are out of jobs as a result.

Dormitory supervisors, Mrs. Bleker of Clements, Mrs. Applegate of Chitwood and Mrs. Gilpin of Horn referred the UD to the Housing office before any would make a statement.

GUY MOORE, director of housing, explained that there were to be decreases in the office hours of the dormitories; however, there would be no reduction in personnel.

As far as he knew, he said, there were no cutbacks in cafeteria personnel either. He added that those that did leave the staffs, probably left because of an abatement in their working hours, so they sought other employment.

On the other hand Betty Gorman, previously employed in the Horn Hall cafeteria, said she had been "released" just recently from her job. The reason, she was told, was a reduction in office hours and an overabundance of cafeteria help.

PEGGY ONEAL, a legislator in Tech employe hospitalized

Opal Varner, a Tech custodial employe, was listed in undetermined condition yesterday at University Hospital following an attempted suicide about noon at Muddough Hall.

Miss Varner was treated for a cut on her left arm and had her stomach pumped for an overdose of sleeping pills.

David McGinnis, 18, of Snyder, Leatherman's roommate at TCU, told police he and Leatherman were attacked by three youths in a crowd leaving the Carter-Como game.

Witnesses said they saw Leatherman fall and two youths pull a third away from him. The three reportedly sped away then in a car.

McGinnis said neither he nor Leatherman had seen the attackers inside the gym. He couldn't explain the incident.

"We were just coming out of the game," McGinnis recalled. "We were among the last ones out the door. Barry was a little bit behind me."

"**ALL I KNOW IS** that there was a fight. When I saw him get jumped I got in there with them to help him."

"I never really looked at them. I was too busy fighting them. I didn't know any of them and I wouldn't recognize them again. Everything happened so fast."

"I was hit, but I believe it was just a fist. I got hit in the back with something—I don't know what."

"After we had been pulled apart, that was the first time I saw Barry since he got jumped. He was still standing when I first saw him, but then he slumped to the ground."

Lawrence Dixon, principal of Carter-Riverside, said he was standing near the

door of the gym with other school officials and coaches when the incident occurred.

"We did everything we could," said Dixon. "It couldn't have been 10 seconds before we were breaking up the fight."

HE CALLED THE FIGHT "a spasmodic thing."

Police arrest suspect in threat on Agnew

AUCKLAND, New Zealand (AP) — Police arrested an unidentified young man who, they said, telephoned two assassination threats against Vice President Spiro T. Agnew Friday and appeared at his hotel.

The police gave this version:

A man telephoned the hotel during the night and said assassination of Agnew was being planned by the Progressive Youth Movement, which is conducting antiwar protests during the vice president's visit. He said the assassin would be dressed in a government messenger's uniform and would go to Agnew's suite carrying a .45-caliber pistol.

SUCH A MAN APPEARED shortly afterward and admitted he had made the call. The police told him to go home. He called again after the police shift changed, and returned to the hotel. He was arrested and charged with using threatening language.

Police said the man would be arraigned later today.

Agnew met meanwhile with Prime Minister Keith Holyoake while a dozen demonstrators stood vigil outside his hotel. They were the remnant of 500 held back by police yesterday in the largest single anti-U.S. protest of the vice president's 11-nation tour.

Protest leaders said they hoped for an even larger group tonight when Agnew attends a state dinner at the hotel. Four Labor members of Parliament from Auckland were reported planning to boycott the dinner as an antiwar protest.

Dixon said Leatherman "was one of the finest young men who ever graduated from this school—he had no record of fighting or misconduct."

A TCU spokesman said Leatherman probably would have been a starting guard on the varsity next fall.

The police said they turned out more than 200 men Wednesday to contain the demonstrators, who chanted, "Go home Yank," and waved Viet Cong and swastika-painted American flags outside the hotel. The band of policemen represented about one-third of the Auckland force.

About 200 demonstrators turned out Wednesday in Canberra, Australia, to protest Agnew's visit there. Australia and New Zealand have troops in Vietnam.

Bell workshop deadline near

Noon today is the deadline for making appointments for interviews in connection with an interview workshop sponsored by the Bell Telephone Company.

The purpose of the workshop, starting Monday and continuing through Wednesday, is to give the Bell college recruiting staff the opportunity to develop interviewing techniques.

Tech students may participate in the workshop by signing up to be interviewed in room 252, Electrical Engineering Building. Students taking part in the workshop will receive \$6 and transportation will be provided.

Juniors, seniors and graduate students who have not previously been interviewed by the Bell Telephone Company can qualify for participation in the workshop.

Persons applying for interviews should also be interested in ultimate employment in industry.

Ben Barnes to seek divorce after marriage of 12 years

COMANCHE, Tex. (AP)—Lt. Gov. Ben Barnes, Texas' fastest rising young politician, and his wife of nearly 13 years have agreed to a "no-fault" divorce, ending a marriage that began when they were teenagers.

Mrs. Barnes' lawyer, Hume Cofer of Austin, filed a petition on her behalf late Wednesday afternoon with Dist. Clerk Ben. B. Wilhelm. The Barneses are legal residents of Comanche County.

The lieutenant governor issued a terse statement yesterday saying the divorce suit was "uncontested." He said the ground for the suit is "incompatibility."

BARNES SAID HIS wife, Martha, would be awarded custody of their two children, Greg, who will be 12 May 3, and Amy, whose eighth birthday is Jan. 31.

"All questions of support and the settlement of property rights were agreed upon in advance. No further statement on

this matter will be forthcoming," Barnes said.

A few minutes later, an aide delivered a news release saying Barnes and Greg had left for Santa Monica, Calif., where the lieutenant governor will receive an award from the U. S. Junior Chamber of Commerce as one of the nation's 10 outstanding young men of 1970.

Dist. Judge Truman Roberts of Hamilton will consider Mrs. Barnes' divorce petition. Wilhelm said there is a 60-day waiting period before the judge can act.

MRS. BARNES AND the children have moved out of the lieutenant governor's recently redecorated apartment in the Capitol. An aide said Barnes purchased a house for her in a posh neighborhood in the hills of west Austin "as part of the property settlement."

The Barneses will be able to get a "no-fault" divorce, in which neither party

makes accusations against the other, under the New Texas Family Code which took effect Jan. 1.

Mrs. Barnes' petition merely follows the legal language prescribed by the code and makes no specific allegations concerning why the couple is parting.

"Said marriage became insupportable because of discord that destroys the legitimate ends of the marriage relationship, and at the time of filing this petition prevents any reasonable expectation of reconciliation," the petition says.

UNDER THE FAMILY code, Judge Roberts has the right to order the Barneses to see a marriage counselor, who then would report back to the judge on the chances of reconciliation. If the counselor said there was a possibility, Roberts could order the Barneses to undergo further counseling.

Editorial

Thank you, Governor Schmidt

You should have seen Texas Gov. Preston Smith at the Texas Hall of Fame Luncheon Dec. 31, in Dallas. The crowd of 2,000, many of whom were highly influential citizens of Texas, Arkansas and Indiana, listened in dismay while the Texas governor extended his most cordial welcome to the visiting Cotton Bowl fans.

SMITH GRACIOUSLY welcomed the many fans from the state of Illinois. Smith even welcomed the honorable governor from the fine state of Illinois. By this time, the audience was noticeably amazed at the error Smith was making. While he should have been welcoming people from Indiana (the home of Texas' Cotton Bowl opponent Notre Dame), Smith was unknowingly saying Illinois.

Smith continued, apparently not knowing the reason for such murmuring among the audience. He then got around to welcoming the fine Notre Dame coach Ara Parseghian, but in doing so Smith mispronounced

Parseghian's name. He made such a poor attempt that it would appear that he had made no previous attempt whatsoever to find out how the visiting coach's name was pronounced. By that time, the audience was noticeably rumbling at Smith's poor performance. What a way for a governor to impress our visitors!

Of course, Parseghian had the perfect comeback when he later took the podium and thanked "Governor Schmidt" for the fine welcome and introduction.

IT'S HARD TO BELIEVE that a governor attending such an event would not prepare at least well enough to know that the opposing university was in Indiana instead of Illinois and that the visiting governor was also from Indiana instead of Illinois. That same governor could have also had the courtesy to find out how to pronounce the name of the visiting coach, if he intended to welcome that person also. It's a shame. But what's worse—he'll probably get re-elected.

Letters To The Editor

Believes lottery figures not random

The lottery was intended to expose all draft age men to the luck of the draw, for an impartial determination of who should serve.

The results are so heavily weighted towards selection of those with birth dates in the later months of the year, as to question their impartiality.

A professor of mathematics at New York University has examined the figures below, and stated they are not random!

With 12 months to draw from, it would be imagined that after four dozen dates were drawn, they would fall approximately four from each month. The actual figures were eight dates from December, only one date from

January, November and December drew 13 dates, January and February only 3 dates.

If we examine how many were drawn from each month, January all the way to December, dates drawn by month were 1, 2, 3, 3, 4, 3, 5, 6, 4, 4, 5, 8. In other words there is a steady increase as we go later in the year.

For numbers drawn in the first, second, third and fourth quarters of the year, the figures are 6, 10, 15 and 17.

It is the consistency of these progressive results which opens up some thoughts as to how well the capsules were mixed in the fish bowl.

Of the first 100 dates selected, 15 were from the month of December, only 6 from January. Since January capsules went into the fishbowl first, and December capsules went in last, the conclusions are obvious.

Would it not be fairer in future lotteries to use 12 fishbowl, one for each month, and draw by a lottery sequence one from each bowl, so that after 48 capsules are drawn, the results would be four from each month, and not an 8 to ratio as in the lottery just held? Minor adjustments could compensate for uneven months and monthly birth rates.

The same result may be accomplished by one fish bowl if

the lottery is listed in dozens. If the first three dates drawn were all September, instead of being assigned 1, 2, 2, they would be assigned a dozen apart, that is 1, 13, 25.

If the next three selections were December, June, December, they would be assigned 2, 3, 14. This would provide a true random sequence even if the fish bowl were not thoroughly mixed.

What corrections can be made in the lottery just held I leave for your consideration.

H. Edwards
1530 Stillwell Ave.
Bronx, N.Y. 10461



By DAVE BURKET
Feature Editor

Burket's blast

Let public be judge

On your campus calendar of events scratch out the heading "Spring Semester 1970" and in its place scribble "The Year of the Crotch-word Puzzle."

Even before the first class met this semester, the long arm, or should I say finger, of the pseudo-law struck with its usual arbitrary accuracy and banned the sale of The Catalyst from the campus. The reason given by Tech Vice President Owen Caskey is that the underground paper is in "poor taste" and "badly worded."

There are legal grounds for censorship which regrettably still prevail in this country, but they are based on obscenity, not on judgments of taste. As far as I'm concerned, prayers at football games are in bad taste and the local newspaper is badly worded, but that is just my opinion, and I don't care if any one agrees with me.

Caskey and the rest of the administration are of course entitled to their opinions. It makes me sick to know that they have the power and the gall to force them on the Tech community. I'm almost ashamed to admit that I go to a school where this kind of fatherly concern over morals and punitive reaction to criticism takes precedence over intellectual freedom.

Presumably the "badly worded" parts of The Catalyst concerned the use of the definitive term for intercourse. (I have to be careful—it would be hell if the UD had to go off campus.)

The criticism of Tech's new football coach is supposedly in "bad taste." My God, what could be more petty!! Esquire uses the same words every month!

The real issue, behind the question of semantics, is whether or not criticism of the establishment is to be allowed.

Criticism by the news media seems to bother all vice-presidents, from Spiro Agnew to Owen Caskey. America and the silent majority are drifting into a reaction against liberalism, and the action taken against The Catalyst is typical of the close-mindedness and intellectual defensiveness affected by many in response to the challenges of their smug comfort.

In this age of electric communication and instant response we need to take advantage of all media resources, even a "badly worded" one. There should be nothing offensive about the so-called four letter words if they convey a meaning better than any other words.

No one has any moral right or responsibility to determine what is in good or bad taste.

Dr. Charles Geist
Optometrist

Contact Lenses
1220 Main St. POB-8077
Across East from
West Texas Hospital

The Catalyst

IS BANNED ON THE TECH CAMPUS

According to Tech Vice-President Caskey any Student caught selling or giving away copies of The Catalyst may be suspended.

Buy Your Copy At
Ron's on University or
Music City on University

Cactus Inn

Pool Palace

UNIQUE NEW FURNISHINGS

- FOUNTAIN
- SNACK BAR
- STUDY AREA

PRIVATE CLUB FOR THOSE OVER 21

ENJOY A REFRESHING EVENING IN THE UNIQUE ATMOSPHERE OF THE CACTUS INN

REGISTER NOW FOR FREE POOL CUE AND CASE. DRAWING FEB. 1

LADIES FREE WHEN ACCOMPANIED BY GENTLEMAN

"The Most Beautiful Pool Facility In Texas"

401 NORTH UNIVERSITY PHONE 765-5842

FIELDS UNIVERSITY SHOP

SALE

Eagle Shirts Clubman Sports Coat
Puritan Sportswear Raewin Suits
Jefferson Trousers Bass Weejuns
Canterbury Belts Glasgo Knits

Save 20% to 50%

We are currently having our January Clearance Sale. Prices on our Quality Brand Name merchandise has been reduced up to 50% off the suggested Retail Price. Shop now while selection is best.

No Refunds Exchanges Lay-a-way at Sale Prices

Small Charge For Alterations at Sale Prices

1215 University Ave.

About letters

Letters to the editor of The University Daily should be sent to Editor, The University Daily, Journalism Building, Texas Tech, Lubbock, Texas 79409.

Letters should be typed double space on a 65-character line. The editor reserves the right to edit for length. Letters will be published as often as space permits.

All letters must have sender's name and address in order to be considered for publication.

However, the sender may request that his name be withheld from print. In that event, the name will be withheld from publication.

Disappointed to see Catalyst banned

I was disappointed but not surprised to see that the Tech administration has banned the latest issue of the Catalyst from campus distribution.

It may surprise some to see a conservative Young Republican supporting a "liberal" publication, but I feel that all viewpoints must be available to the public.

This is not a new idea among conservatives. Sen. Barry Goldwater has stated, "I do not believe in censorship. I don't want it, and I wouldn't support it. It is a private matter involving free choice of seller and buyer, and so be it." (Los Angeles Times)

Although I very rarely agree with the viewpoints expressed in

the Catalyst, I support them in their conflict because I believe in freedom of the press and I am glad to see students at this university who are interested enough to take a stand, whether they belong to the Catalyst staff, Young Republicans or YAF.

We need more student

involvement at Tech, and censorship is certainly not the way to accomplish it.

Mark L. Bishop
Area III Chairman
Texas Young Republican
Federation
401 Murdough

'Fight for free Lubbock'

Why should we send soldiers to fight Communism in Vietnam if we have the same type of dictatorship here!

The Catalyst has been banned from the campus. Each student should read this issue and decide for himself the worth of Dr. Caskey's accusations that this is in "poor taste" and "poorly worded."

Is the truth in "poor taste?" Must the truth be obscured so it will not be "poorly worded?" College students should have

the right to view events of the campus and the nation from all angles. A college student is mature enough to gather information and form his own opinions.

The administration must be terribly afraid of the Catalyst. Why? False rumor can be fought with truth.

This ban on free speech, freedom of the press and TRUTH is a student issue. STUDENTS, and our STUDENT SENATORS must act NOW.

Fight for a free Lubbock!

Robin Cash
364 Weeks

Thanks veep

I would like to issue a hearty "thank you" to Owen L. Caskey for his great work in the fight to protect our feeble minds from those who, in his own good taste, are of poor taste.

Thank you, Owen, for keeping from our sterile lives these obvious purveyors of sin and corruption. In doing so, you lend us your mind and make our decisions for us, instead of forcing us to make those decisions ourselves.

You keep from us the unpopular ideas and opinions which, in fact, help us to create our own opinions; you keep from us those ideas which might become too great a burden upon our conscience.

Thank you, Owen, for your wisdom, your fatherliness and your god-like ideals.

William M. Goodykoontz
423 Thompson Hall



Give me a copy of that commie, pinko, subversive, poorly worded, poor taste newspaper, boy!

THE UNIVERSITY DAILY

Opinions expressed in The University Daily are those of the editor or of the writer of the article and are not necessarily those of the college administration or the Board of Regents.

The University Daily, a student newspaper at Texas Tech University at Lubbock, Texas is published by Student Publications, Journalism Building, Texas Tech University, Lubbock, Texas 79409. The University Daily is published daily except Saturday and Sunday during the long terms, September through May, and weekly (every Friday) during the summer session, June through August, except during review and examination periods and school vacations.

The University Daily is a member of Associated Collegiate Press, Southwestern Journalism Congress and National Council of College Publications Advisors.

Second-class postage paid at Lubbock, Texas 79409. Subscription rate is \$10 per year.

- Editor: Jimmy Snowden
- Editorial Assistant: Lynn Green
- News Editor: Lynn Williams
- Managing Editors: James R. Davis Jr., Rebecca Young
- Campus Editor: Bill Moore
- Feature Editor: David Burket
- Fine Arts Editor: Casey Charness
- Copy Editors: Debbie Kennedy, Sarah Raney, Steve Eames, Cinde McCarty, Janet Wossum
- Sports Editor: Tommy Love
- Assistant Sports Editor: Jerry Teague
- Sports Writers: Mike McMahan, Bob Brewster
- Advertising Director: Steve Hames
- Proofreader: Bobby Willis
- Photographer: Bruce Ott

Pinkies

A COMPLETE LINE OF BAR SUPPLIES

MINI - MARTS

"Serving Quality Barbecue"

SERVING WEST TEXAS OVER 30 YEARS

-THREE LOCATIONS-

LAKE STORE
Buffalo Lakes Road (Lubbock) 5H4-7177

TAHOKA HIGHWAY STORE
1.3 miles south of city limits on US 87 (Lubbock) 5H4-4386

CANYON ROAD STORE
1/2 mile south of Acuff Road on FM 1729 (Lubbock) PO2-2091

Citizens band club proposed

By MARSHA NASH
Feature Writer

The Double T Citizens Band Club, a dormant group for a year, is being re-organized by Bill Comer, Abilene freshman.

"The purpose of the Double T CB club is to provide responsible people who will be able to work in any situation as a unit to provide valuable communications whenever and wherever they may be needed," said Comer.

Distinct from ham radio, citizens band is a two way radio communications systems which requires only a station license, not an operators license. The radio transmits 50-150 miles.

Functions of the club include setting up a communications network whenever one is needed. A Tech fraternity, sorority, club, or organization can request the services of the Double T CBs.

The CB club also hopes to work with Tech Traffic Security, working directly under them when needed. The duties could include aiding in directing traffic, patrolling parking lots, or furnishing radio communications in case of a disaster or fire.

Ohno stresses theoretical side of chemistry

Dr. Kino Ohno, visiting chemistry professor from Japan, describes himself as a "theoretical" chemist and stresses the importance of this field. Ohno is currently teaching a graduate course in Quantum Chemistry at Tech.

Ohno said he finds Tech's chemistry department "very active" and said he felt such a department was the best kind.

He is the professor of Quantum Chemistry at Hokkaido University in Japan.

Ohno edits the "Journal of the Physical Society of Japan." The monthly journal is one of the two most important science magazines of Japan.

The group would also assist the Campus Civil Defense in case of an emergency on campus.

So that the members will know how to cope with a real emergency should it arise, the club will practice for emergencies each month. Members will not know when the alerts will be scheduled.

"HELP (Highway Emergency Location Plan), REACT (Radio Emergency Associated Citizens Teams), Civil Defense, are just a few of the clubs open to any Tech student who has a valid Citizen Band Radio Operators License.

HELP and REACT are radio-emergency organizations from which citizens obtain assistance and information.

"The public services that are performed by Citizens Band Organizations range from assisting law enforcement agencies to helping other local organizations in their efforts to reach their goals," Comer said.

The unsponsored Double T Citizen Band Club has not been recognized as a Tech organization, but it is supported and formerly sponsored by Bill Daniels, chief security officer.



IN DANCE CAST—Dancers Vicki Truly, Beckie Horst and Donna Henderson will perform in "Way Out West," a dance sequence presented in conjunction with "The Crosspatch," which opens today at Tech's Laboratory Theater.

Grads have five assistance programs

The Tech graduate school is offering five separate programs of financial assistance for its students including university fellowships, graduate fellowships, teaching and research assistantships, National Defense Education Act fellowships and National Science Foundation traineeships.

The graduate school awards university fellowships up to \$2,500 to outstanding applicants nominated by their departments. Amounts vary for the graduate fellowships as they are awarded by the separate departments.

Teaching and research assistantships are available in nearly all departments in varying amounts according to the qualifications of the individual and the amount of service rendered.

NDEA fellowships beginning at \$2,400 plus tuition and dependency allowance are available for

students seeking doctorates and planning to be college teachers. These fellowships are available only in education, psychology,

English, geosciences, physics, and civil and electrical engineering.

NSF traineeships are available

Annual deadline nears for vehicle inspection

With the State's April 15 motor vehicle inspection deadline approximately 90 days away, large numbers of Texas motorists have to take their vehicles in for the mandatory annual safety inspection.

Colonel Wilson E. Speir, Director of the Texas Department of Public Safety, today urged all motorists whose vehicles have not been inspected to visit an inspection station as soon as possible. "Those getting the inspection now will avoid long lines which are certain to develop at many stations as the April 15

deadline draws near," he said.

The DPS Director noted that Texas adopted an annual inspection program on Sept. 1, 1969. All vehicles inspected since that date have had the sticker placed on the left side of the windshield with a large number tab inserted to show the month of expiration.

All vehicles which currently have a sticker on the right side of the windshield have not been reinspected in compliance with the new law, and their owners have only until April 15 to visit an approved inspection station.

At annual institute

Grain talks set

Grain sorghum research and effects of feedlot growth on the grain industry will be two themes for discussion at the 16th annual Grain Institute Jan. 29-30 at the Red Raider Inn Convention Center.

Texas Agriculture Commissioner John C. White and a group of industry and educational leaders headline the list of speakers for the two-day event, which will include two luncheon sessions and a banquet.

Ira Williams, Tech professor of agricultural sciences, is chairman of the program, expected to draw about 150 persons.

Registration will open at 6 p.m. Jan. 28, and a hospitality hour will follow, with Paul Furr, vice president of Brown and McKee, Inc., as host.

Speakers for the Jan. 29 morning meeting are Bill Clayton, director of Water, Inc., Lubbock; Dr. Jerry W. Johnson, Texas A&M Research and Extension Center, Lubbock; White and John J. Seibert, grain marketing specialist with Texas A&M Extension Service, College Station.

The Tech crops judging team

and its sponsor, Prof. Cecil Ayers, will give the luncheon program Jan. 29, and a tour of area feedlots will follow.

Dr. L. S. Pope, associate dean of the College of Agriculture at Texas A&M, will be speaker for the 7 p.m. banquet Jan. 29.

Dr. Gene C. Shove, associate professor in the department of agriculture engineering at the University of Illinois, opens the Jan. 30 morning session. Bob L. Pearson of Pearson Grain Co., Lubbock, also is a speaker.

Raymond Nolen of Fort Worth, executive secretary of the Texas Grain and Feed Association, is moderator for a panel discussion on the effects of feedlots on the grain industry. Participating are Richard R. Jagels of Hereford, manager of Hereford Feed Yards, and Harold L. Priddy of the Fred Shell Grain Company, Ralls.

Another highlight of the morning session will be a talk on agriculture computer services by T. M. Brooks of the Agricultural Computing Co., Amarillo.

Glenn A. Weir of Washington,

Cern to speak

of instant help

"The power of God to improve human experience immediately" will be the theme of a lecture to be given Tuesday by Jules Cern, C.S., of Scarsdale, N.Y.

Mr. Cern, a member of The Christian Science Board of Lectureship, will speak in Blue Room of the Union at 3 p.m.

The lecture, titled "Christian Science: Instant Help," is sponsored by the Tech Christian Science Organization. No admission will be charged.

He appeared in several on the Broadway stage and toured most of the United States and Canada.

JANUARY SALE
IMPORTED BUCKSKIN
LEATHER HATS... 749
Don't Miss Our Many Values!
Barbra's Imports
2110 BDWY. 763-9691

FREE
1970
CALENDAR

Valuable Certificate attached to each calendar... while they last

at
BLUE BONNET
LAUNDRY
Dry Cleaners
809 - University



ROBBY'S

the finest place to live off campus

9950 per month

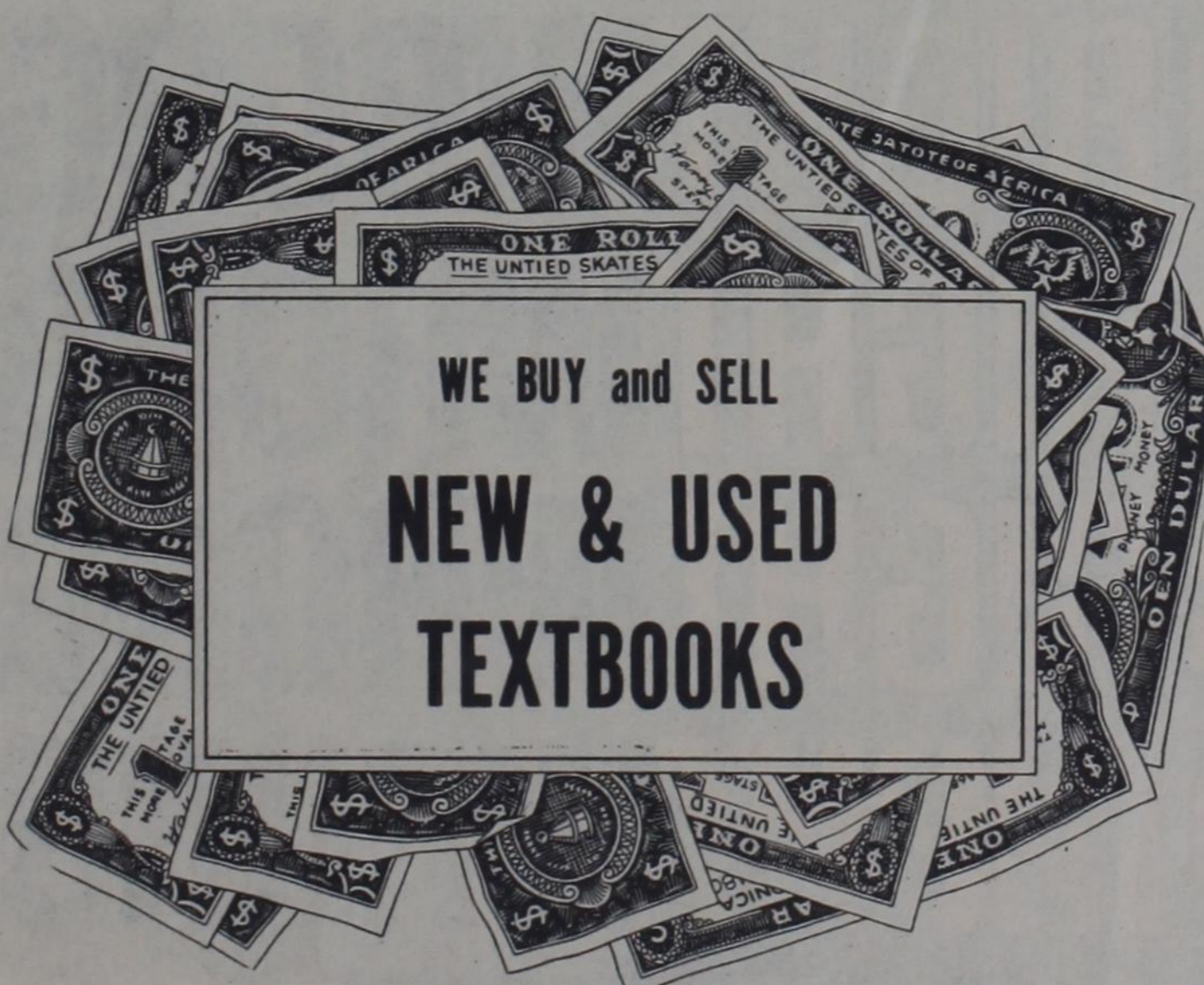
Room & Board
Maid Service
Excellent Food
All Rooms Carpeted, Heated
And Air Conditioned
Covered Parking



closest to your classes
1001 University
763-5712

SUITES AVAILABLE FOR
GRADUATE STUDENTS AND
YOUNG MARRIEDS.

text books



WE BUY and SELL
NEW & USED
TEXTBOOKS

WE CARRY A COMPLETE
LINE OF SUPPLIES
FOR THE STUDENT
AS WELL AS THE
ARTIST!!

Book & Stationery
Center

1103 UNIVERSITY

765-5775

CAVU

***CEILING AND VISIBILITY UNLIMITED**

At Pratt & Whitney Aircraft "ceiling and visibility unlimited" is not just an expression. For example, the President of our parent corporation joined P&W only two years after receiving an engineering degree. The preceding President, now Chairman, never worked for any other company. The current President of P&W started in our engineering department as an experimental engineer and moved up to his present position. In fact, the majority of our senior officers all have one thing in common — degrees in an engineering or scientific field.

To insure CAVU*, we select our engineers and scientists carefully. Motivate them well. Give them the equipment and facilities only a leader can provide. Offer them company-paid, graduate education opportunities. Encourage them to push into fields that have not been explored before. Keep them reaching for a little bit more responsibility than they can manage. Reward them well when they do manage it.

Your degree can be a B.S., M.S., or Ph.D. in: MECHANICAL • AERONAUTICAL • ELECTRICAL • CHEMICAL • CIVIL • MARINE • INDUSTRIAL ENGINEERING • PHYSICS • CHEMISTRY • METALLURGY • MATERIALS SCIENCE • CERAMICS • MATHEMATICS • STATISTICS • COMPUTER SCIENCE • ENGINEERING SCIENCE • ENGINEERING MECHANICS.

Consult your college placement officer — or write Mr. William L. Stoner, Engineering Department, Pratt & Whitney Aircraft, East Hartford, Connecticut 06108.

CAVU* might also mean full utilization of your technical skills through a wide range of challenging programs which include jet engines for the newest military and commercial aircraft, gas turbines for industrial and marine use, rocket engines for space programs, fuel cells for space vehicles and terrestrial uses, and other advanced systems.

Pratt & Whitney Aircraft DIVISION OF UNITED AIRCRAFT CORPORATION

EAST HARTFORD AND MIDDLETOWN, CONNECTICUT
WEST PALM BEACH, FLORIDA

Newsman to visit for lab sessions

Herbert G. Lawson, assistant managing editor of the Wall Street Journal in charge of the Journal's Southwest edition, will be an editor-in-residence at Tech Monday and Tuesday.

Lawson is one of seven outstanding editors of daily newspapers who have agreed to visit the Tech campus during the 1969-70 academic year in an editor-in-residence program sponsored by the American Society of Newspaper Editors.

The editors visit with students in the Department of Journalism, participating in lecture, seminar and laboratory sessions.

Chairman Wallace E. Garets of the department said the program originated to acquaint students with the working newsman's point of view and to encourage professional attitudes among students.

"To date the program has proved to be one of the most successful undertaken by the department," he said. "Our students have shown great enthusiasm for this person-to-person contact with some of the nation's leading editors, and the visitors have welcomed their contact with the campus community."

Editors who visited the campus

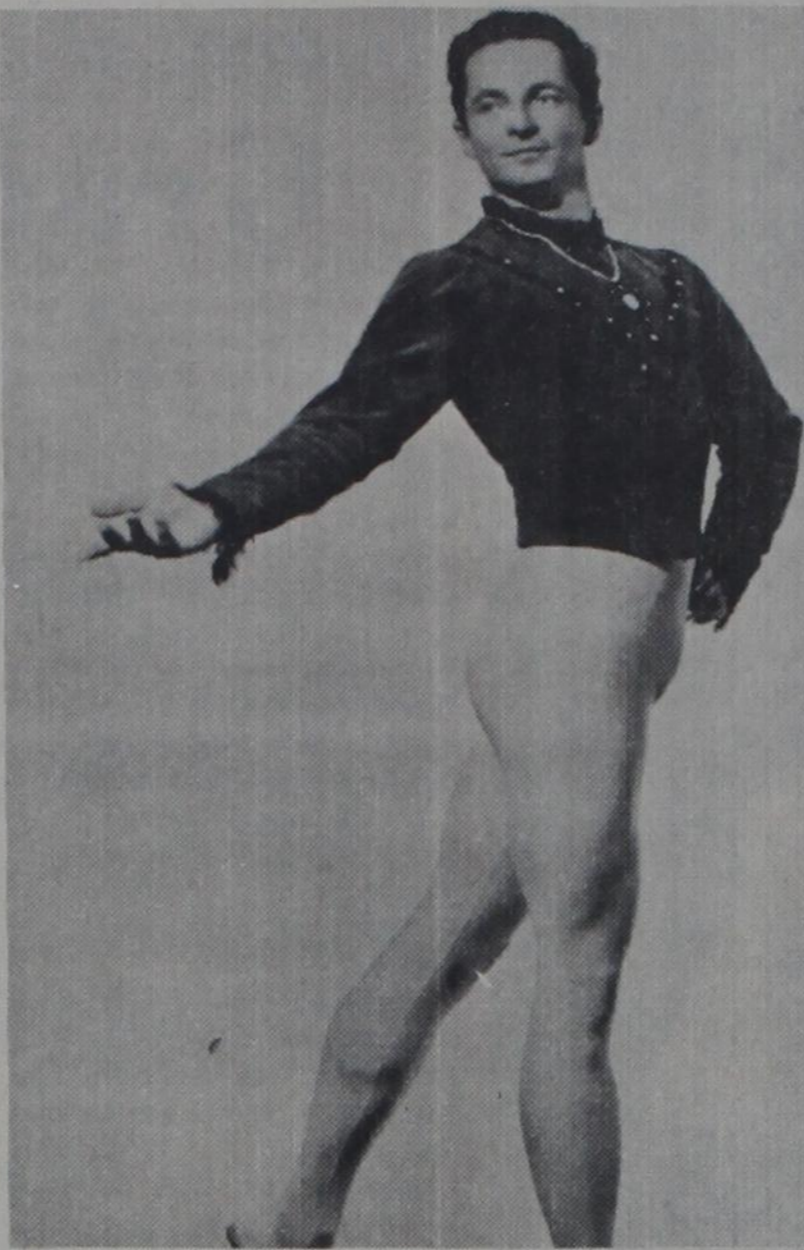
last fall included Mort Stern, assistant to the publisher of the Denver Post; William F. McIlwain, editor of the Long Island, N.Y., Newsday; and Robert M. White, owner and editor of the Mexico, Mo., Ledger. Other editors scheduled to participate represent the Corpus Christi Caller-Times, the Kansas City Star and the Houston Post.

Lawson, a graduate of the University of Wisconsin, worked for the United Press before serving in the Air Force in Europe.

He joined the reporting staff of the Wall Street Journal — Dow Jones & Co. owned mentor of the business world — in Chicago in 1960, moved to the Boston bureau and then went on to New York where he became a medical writer.

He became a rewrite editor on the page one desk, and in 1965 became bureau chief of the Journal in Pittsburgh.

He moved to the Dallas office of the Wall Street Journal as assistant managing editor in 1966.



GEORGE ZORITCH—Premier danseur noble with Leonid Massine's Ballet Russe de Monte Carlo, will instruct three ballet classes in the Dance Studio of the Women's Gym tomorrow. Classes are offered for beginning, intermediate and advanced dancers from 1-2 p.m., 2-3 p.m. and 3:30-5:30 p.m., respectively. Cost is \$2.50.

Newspaper finance talks scheduled by Senators

WASHINGTON (AP)—The Senate heads soon into a debate about newspapers and their finances, a topic certain to rekindle controversy over Vice President Spiro T. Agnew's criticism of the new business.

The issue: a bill to grant limited antitrust exemption for the joint commercial operation of newspapers if one of them is deemed to be failing financially.

Sen. Mike Mansfield, D-Mont., the majority leader, said the bill will be among the measures called up for action at the beginning of the new session, which opens Monday.

The bill, proposed by Sen. Daniel K. Inouye, D-Hawaii, now has 34 sponsors, including Mansfield and the approval of the Nixon administration.

But it faces stiff protests from a group of Democrats led by Sen.

Philip A. Hart of Michigan, who called it an unjustified special favor.

The Senate Judiciary Committee, in approving the bill, called it necessary to prevent communities with competing newspapers "from losing one of the established editorial voices."

The bill would permit joint

advertising and circulation operations, effectively ending commercial competition, for the sake of saving a newspaper from financial collapse.

Its terms would cover joint operating agreements already in effect, involving newspapers in 22 American cities.

912-Slaton Road, Route 6
Lubbock, Texas

THE CARRIAGE HOUSE
The Connoisseur's First Choice for Lavish Dining
Phone (806) SH7-5307

'Pill' under fire

WASHINGTON (AP)—Senate investigators were told Thursday the government continues to approve the use in birth control pills of a hormone it banned ten years ago as a chicken fattener.

Its use as a chicken fattener was discontinued, the senators were told, because it caused cancer in laboratory animals.

Dr. Roy Hertz, a noted birth control specialist who has held important advisory posts with the federal government, identified the synthetic female hormone as estrogen.

Long known to cause cancer in at least five species of animals, the hormone was virtually abandoned in Britain recently after studies linked it to fatal blood clotting.

The hormone is used in about half the birth control prescriptions available to the 8.5 million women in this country

Hodges named to Murphy's past position

Col. William Hodges is to be the new professor of military science at Tech. Hodges will begin working in his new position Jan. 16, following his arrival here from Fort Leavenworth, Kan., where he was stationed.

Col. Maxwell Murphy held the position since 1967 until his decision to retire from the Army in December. Murphy's retirement marked the end of 25½ year's service in the U.S. Army.

Military Science is the course of study and training given Army ROTC cadets at Tech.

who use the pill. The Food and Drug Administration has been studying the British data for some weeks but has not acted.

Hertz said the government gave approval for the use of estrogen in birth control pills after banning it as a chicken fattener "on the grounds that the pill would be prescribed by a physician and not surreptitiously delivered in unlabeled food."

"There is no real distinction between women ingesting this in a pill or ingesting it daily in their food," said Hertz.

"Daily ingestion of the pill gives much more substantial and considerable exposure than occurs in poultry, neither of which I would recommend," he added.

Hertz, chairman of the cancer task force of the FDA's prestigious advisory committee on gynecology, said birth control pills contain "100,000 times more estrogen than an entire hormone treated broiler."

Testifying on the second day of hearings into the safety of the pill, Hertz said he would prescribe oral contraceptives only in the rarest of instances and suggested abortion would be a better means of birth control.

The hearings are before the Senate monopoly subcommittee headed by Sen. Gaylord Nelson, D-Wis.

Dr. Robert W. Kistner of the Harvard Medical School disagreed with Hertz's evaluation of the pill's hazards and its suspected link with cancer. But he agreed reluctantly under questioning that estrogen causes pre-malignant, localized cell changes known as carcinoma in situ.

Sec. Laird reveals more troop returns

LOS ANGELES (AP) — Secretary of Defense Melvin R. Laird said Thursday total U.S. military strength will be cut by about 300,000 men by next June.

This was a heavier manpower reduction than previously announced.

"We are moving toward smaller and more efficient military forces," Laird said in a speech prepared for the California State Chamber of Commerce.

"Assisted both by the diminution of our role in Vietnam and by management reforms, we can provide the security which the nation requires with a trimmer defense establishment."

Laird's speech amounted to a general review of his first year as defense secretary in which he said "new directions have been set."

Laird indicated that the new defense budget will total about \$73 billion, which he said will be about \$10 billion below what the

last democratic administration projected for the 1971 fiscal year. Speaking of President Nixon, Laird said that "in his judgment and in mine, the reduced level of military spending will provide adequate and prudent defense."

The Pentagon has indicated in the past that military manpower would be reduced by as many as about 260,000 men before next June as the United States accelerates its withdrawal from Vietnam.

The larger figure of 300,000 used by Laird underscores pressures from the White House to cut defense spending deeper and faster.

A cutback of about 300,000 men would leave U.S. forces totaling about 3,155,000 worldwide. Pentagon authorities have said another deep manpower cut is coming next year and probably will push the total reduction over 500,000 men.

elia kazan's

the arrangement

it's the new life-style

kirk douglas · faye dunaway Restricted

deborah kerr · richard boone · hume cronyn technicolor* panavision* from warner bros.

SHOWN DAILY 7:00 & 9:15
MATINEE WED. & SUN. 2:00

762-9413
Continental Cinema

Raider Roundup

WESLEY FOUNDATION
Wesley Foundation will sponsor the movie "Blow Up" at 7 p.m. today at 2420 15th St. A discussion will follow.

SCHOOL DANCE
Two bands, the Seattle and the Generation Gap, will play for an all school dance today from 8-midnight in the Union Ballroom. Admission is free.

PRESIDENT'S HOSTESSES
President's Hostesses will meet at 7 p.m. Tuesday in the Tech Union. If unable to attend contact Kathy Griffiths at 742-8801.

KARATE CLUB
The first organizational meeting of the Karate Club will be in the old intermural gym Jan. 25 at 3:30 p.m. All students are invited to attend.

FIRST UNITARIAN CHURCH
The Contemporary Crisis: A Black Man's View will be the topic of Major Otis Jones' address at the Sunday 11 a.m. service at the First Unitarian Church, 36th and Ave. U. Jones is a graduate student of the School of Business Administration.

IFC
IFC will hold a smoker Monday at 8 p.m. in the Union Ballroom for all prospective rushees. Registration fee will be \$3.

UYRM
The University Young Republicans will sponsor a student art exhibit today through

NATIONAL GENERAL CORPORATION
FOX WIN#2
4215 19TH STREET · 792-6242
LUBBOCK

Now Showing

Paramount Pictures Presents
Alan J. Pakula Production
The Sterile Cuckoo
Liza Minnelli
Wendell Burton
Technicolor

Forrest Lumber

for
Your School Supplies

A Complete Stock Of:

- 1 x 12 Shelving
- Concrete Blocks
- Brick
- Paint Supplies
- Plyboard
- Pegboard
- Shelving Accessories
- Picture Frame Molding
- Redwood Lumber
- Poultry netting wire
- Paneling

PO3-4335
1300 4th St.

your thing

Any radio, TV set, cassette or tape recorder with a phono jack.

our bag

Garrard's X-10 module, a precision automatic turntable. Complete and ready to play.

new groove

Just plug our bag into your thing to obtain precision record playing capability. Play 7", 10", 12" records at 33 1/3, 45, or 78 rpm. The X-10 is complete with matched stereo ceramic cartridge, diamond stylus, base and dust cover. **\$52.50.** See it at your high fidelity dealer or write Garrard, Dept. CS589, Westbury, New York 11590 for literature.

Garrard
British Industries Co., a Division of Amet, Inc.

RIGHT WRONGS
 RIGHT WRONGS
 RIGHT WRONGS
 RIGHT WRONGS
 RIGHT WRONGS
 RIGHT WRONGS
 RIGHT WRONGS
 RIGHT WRONGS
 REGISTER VOTE



THAT'S THE WAY the money goes as armload of books for the new semester. Tech student Gay Hefflinger buys an (Staff photo by Bruce Ott)



RUSSIAN STUDENT Rufat G. Mahkamov discusses cotton production with Dr. Robert E. Newell, assistant dean of the College of Engineering.

Tech Ads

Classified Advertising Rates
 1 Day \$1.25
 2 Days \$1.75
 3 Days \$2.25
 4 Days \$2.75
 5 Days \$3.25
 (Above rates are based on 35 words - each additional word is 10 cents per day)

TYPING
 Theses, dissertations. Spelling corrected. IBM Selectric. Carbon ribbon, guaranteed. 747-1165. 1908 22nd.

Reasonable typing, guaranteed. 792-7813. Mrs. Winder, 2208 Knoxville.

FOR RENT

1-bedroom furnished apartment. Utilities paid, Married couples. \$105. PO2-1256.

1-Bedroom furnished, utilities paid, married couples, \$90.00. PO2-2233.

1-Bedroom, furnished, utilities paid. Married couples—\$97.50. PO3-8822.

Room for female with kitchen privileges. SW5-6842.

Furnished apartment. 2 blocks off campus. Need one nice Christian girl to share lovely home with two others. \$50. 2508 21st. 744-5223, 744-8054.

FOR SALE

1967 Honda 50cc, black. Good condition. \$125. Includes helmet. 4703 45th after 5 p.m. SW9-5411.

Yamaha 250cc twin 5-speed, clean \$295. 792-8080.

MISCELLANEOUS

HELP FOR SLOW READERS—training in basic learning skills and speed reading. **READING-STUDY SKILLS INSTITUTE, INC.** 3102 50th St. (Monterey Prof. Building). Phone SW9-4809.

PHOTOGRAPHY — Placement Service pictures, portraits, weddings, B & W or beautiful natural color. PO3-2793 after 5.

I will babysit for faculty, staff children. Am high school sophomore. Call Susie Sellmeyer. SW9-5551.

HAVE: 300 lb. go-go girl. Trade for three 100 lb. girls. Tommy Hancock. Cotton Club.

Looking for male roommate to share an apartment at Two Worlds. \$67.50 mo. Charles Carothers. 2212 5th, No. 38, 762-5419.

STAMP COLLECTOR'S MAIL ORDER SERVICE. U.S., foreign, accessories, supplies. Barbara Walker, 6631 Pemberton Drive, Dallas, Texas 75230. Inquiries welcomed.

WANTED: Roommate. Call Dave. 763-3660 or 742-4252.

Fly with Red Baron Flying Club. Cessna's, Cherokee's, Comanche's. Flight Training, Inc. Municipal Airport. 762-3426.

HELP WANTED

Need immediately part-time salesman. Salary plus bonus. Call Jim Brown, Sales Manager. SW2-4401. Lubbock T.V. Cable Co.

Wanted—young man to do yard work and odd jobs in return for room. SW9-3356.

Only ten openings. \$40-60 weekly, male or female. Requirements — car, phone, 20 hours. Fuller Brush Co. 762-4984, 795-0514.

PERSONAL

James—no more kisses until you shave that growth off your upper lip. Linda.

Please come home, Richard. We found your blanket, Jeanne

Russian student attends Tech

Rufat G. Mahkamov of Tashkent, Uzbekistan, U.S.S.R., a foreign exchange student here said that although the Republic of Uzbekistan produces 6.6 million bales, which is about 70 percent of the cotton produced in Russia, they have only 60 or 70 gins, compared to the 400 on the South Plains which will process only 1.5 million bales this year.

Mahkamov, who is Head of the Department of Textile Machinery Building Technology at Tashkent Institute of Textiles and Light Industry, Tashkent, Uzbekistan, is in the United States through an exchange program. His stay in the United States has been coordinated through the International Research and Exchange Board in New York City, and is in cooperation with the U. S. Department of State. He is one of a group of 26 who are studying in different universities in this country and the only one at a Texas institution.

Tashkent, a city of 1,200,000, is the capital of Uzbekistan and the largest city of this five republic area. Uzbekistan is located in Southern Russia, bordering Afghanistan, and is one of the fifteen republics that make up the Soviet Union.

Uzbekistan is approximately the size of California with large areas of semi-desert and desert regions that are excellent for the production of cotton under irrigation. Cotton is the major

agricultural endeavor, followed by silk, flax, and the production of sheep for both the fleece and luxury leather products that are made from very young lamb skin.

The irrigation water comes mainly from two large rivers, Syr-Darya and Amu-Darya, but there are some irrigation wells. The water from irrigation wells usually comes from depths over 1,000 feet.

The planting season for cotton is around the first of April and all production methods are quite mechanized. The harvesting is done with machine pickers, twice over, and then the stalks are stripped of the remaining bolls. These bolls are not discarded, however, they are crushed, the lint removed, dried, ginned, and used in low quality products.

The gins and cotton are both owned by the government, so there is no great rush to gin and sell the cotton. When the cotton is harvested it is dried, if needed, and stacked in large ricks near where it is grown. These ricks are 44 feet wide, 77 feet long, and 25 feet high. Workers stomp the cotton tightly in the stack and it is covered with heavy canvas covers to await ginning.

During the harvest season, which starts in September, gins operate 24 hours a day. This continues until about January and then the working time is reduced to 16 hours per day — two eight hour shifts. The rest of the year

the gins run for 16 hours a day. At the end of the ginning season, the gins are shut down for 15 to 30 days for maintenance and repair.

One of the courses of study in Tashkent Institute of Textile and Light Industry is gin engineering. Each of the gin plants has a manager and one or more gin engineers. The engineer is charged with the responsibility for quality control. Some of the engineers will work their way up to becoming gin managers.

The processing area consists of a large complex of buildings. The buildings are used for seed cotton storage, seed storage, oil separation, and for the gin itself. The gins usually have 4 or 5 stands which are located on the second floor as the seed are separated from the lint they are dropped down to the ground floor where first-cut linters are removed. Brush type machines are used to remove the balance of the lint remaining on the seed, instead of second-cut linters, as is practiced in this country. The seed are then blown through a pipe to the oilmill which is located in a building near by.

The bales, which weigh about 600 pounds each, are compressed to "high density" at the gin. Bales are shipped directly from the gin to the textile mills. A modern gin can process about 4 and a half bales per hour.

Many of the problems we face here on the South Plains are

problems also in Uzbekistan, namely, dust storms and the need for more irrigation water. The soil in Uzbekistan was formed over a period of thousands of years by the dust storms which blew in from Mongolia, which is to the East. Without irrigation the soil dried out and becomes very hard and rock-like.

The yield of water from the two large rivers in the republic is almost completely used up for irrigation causing the Aral Sea, which they drain into, to become lower and lower each year.

Hydrologist in Tashkent are eyeing the large Ob and Yenisei Rivers of Siberia and are drafting plans to build a large canal to divert part of the yield of these rivers into the cotton planting area. This plan is very similar to our own water development plan.

Mahkamov's stay at Texas Tech University is rapidly coming to an end. He arrived in Lubbock September 8th and plans to leave on January 28th. He will spend three or four days in the Dallas area before leaving Texas, then travel to Washington, D.C. for sight-seeing, and depart from New York for Moscow on February 12th.

His host on the Texas Tech campus has been Assoc. Dean of Engineering, Robert Newell, who visited Uzbekistan in the summer of 1968 while in Russia.

REFUEL FOR A NEW SEMESTER

MAKE THE VARSITY YOUR BOOK AND SUPPLY STATION

It's time for a fresh start, more profitable studying time and more convenient shopping. This semester save time and money, too, by making Varsity Book Store your headquarters for all your school needs.

new & used
TEXT BOOKS

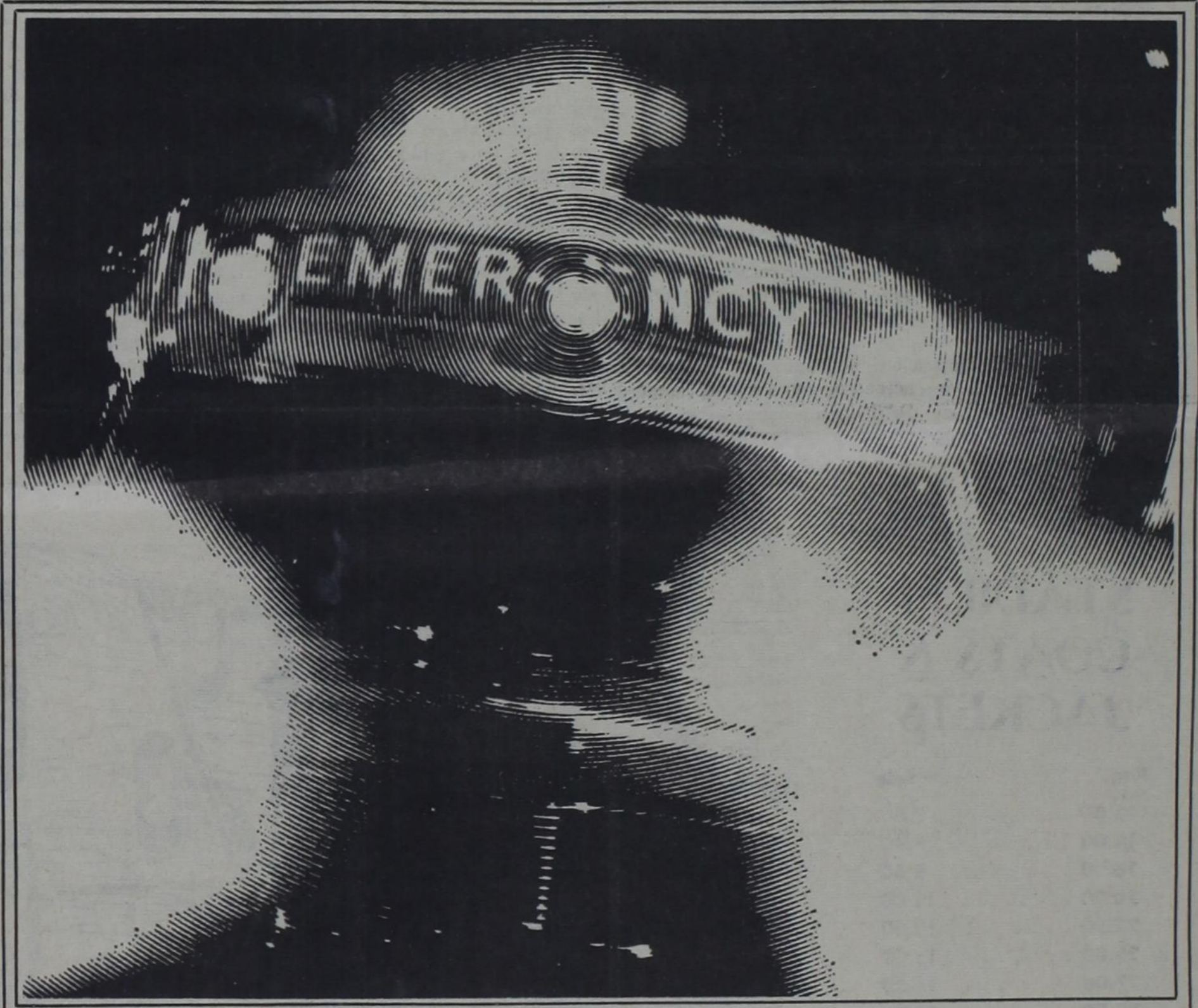
Study Aids

SUPPLIES

BOOKS



YOUR UNIVERSITY BOOKSTORE AT 1305 UNIVERSITY AVENUE



Venture: Seven minutes to save a life.

The problem: lifesaving clinical tests of blood, urine and spinal fluid may take technicians hours to perform using traditional methods.

The possible solution: design a virtually complete chemical laboratory in a desk-sized cabinet that will perform a variety of clinical tests automatically, accurately, quickly.

The result: Du Pont's Automatic Clinical Analyzer, the end-product of years of cooperation and problem solving among engineering physicists, biochemists, electromechanical designers, computer specialists and many, many others.

The heart of the instrument is a transparent, postcard-sized reagent packet that functions as a reaction chamber and optical cell for a computer-controlled analysis of specimens.

Separate packs—made of a chemically inert, optically clear plastic—are designed for a variety of tests. And each pack is supplied with a binary code to instruct the analyzer. Packs for certain tests also contain individual disposable chromatographic columns to isolate specific constituents or molecular weight fractions on the sample.

In operation, the analyzer automatically injects the sample and diluent into each pack, mixes the reagents, waits a preset time for the reaction, then forms a precise optical cell within the walls of the transparent pack and measures the reaction photometrically.

A built-in solid-state computer monitors the operation, calculates the concentration value for each test and prints out a report sheet

for each sample. The instrument is capable of handling 30 different tests, the chemistry procedures for ten of which have already been developed. The first test result is ready in about seven minutes. And in continuous operation, successive test results are obtained every 35 to 70 seconds, depending on the type of test.

Innovation—applying the known to discover the unknown, inventing new materials and putting them to work, using research and engineering to create the ideas and products of the future—this is the venture Du Pont people are engaged in.

For a variety of career opportunities, and a chance to advance through many fields, talk to your Du Pont Recruiter. Or send the coupon.

Du Pont Company, Room 7894, Wilmington, DE 19898
 Please send me the booklets checked below.

Chemical Engineers at Du Pont
 Mechanical Engineers at Du Pont
 Engineers at Du Pont
 Accounting, Data Systems, Marketing, Production

Name _____
 University _____
 Degree _____ Graduation Date _____
 Address _____
 City _____ State _____ Zip _____

An Equal Opportunity Employer (M/F)



