

# THE UNIVERSITY DAILY



VOLUME 49 NUMBER 66

Texas Tech University, Lubbock, Texas, Friday, December 7, 1973

EIGHTEEN PAGES

## Gerald Ford sworn in as 40th vice president

By JIM ADAMS  
Associated Press Writer

WASHINGTON — Gerald R. Ford was sworn in as the nation's 40th vice president Thursday night, becoming the first man to take office under the Constitution's 25th Amendment.

With President Nixon at Ford's side and with Mrs. Ford holding the Bible, Chief Justice Warren E. Burger administered the 71-word oath in the House chamber. Among those present were the cabinet, members of the House and Senate, Supreme Court justices and the diplomatic corps.

THE FOUR FORD children were in the

distinguished visitors' gallery and the public galleries were packed.

In a brief speech stressing the hope for national unity that has been his theme since his nomination, Ford said he saw neither Republicans nor Democrats in the chamber.

"I see only Americans," Ford said. "I see Americans who love their country, Americans who work and sacrifice for their country and their children. I see Americans who pray without ceasing for peace among all nations and for harmony at home."

IN PREPARED remarks for the Senate afterward, Ford said he was

grateful to senators for confidence they expressed "in the capacity of our political institutions to meet new challenges without the extremes of passion and partisanship that have brought less sturdy republics to ruin."

Ford was sworn in just over an hour after the House, by a 387 to 35 vote, completed Congress' confirmation of his nomination as vice president.

Republicans broke into applause as the electronic vote counters on each end of the House chamber hit an absolute majority of 218 votes for Ford's confirmation.

AFTERWARD, the full House and spectators jamming the public galleries applauded as Ford himself entered the chamber and joined Speaker Carl Albert on the speaker's podium.

Ford, who has been House Republican leader, had served in the same chamber for 25 years.

During an intermission between the confirmation and the swearing-in ceremony, Ford went to the White House to deliver his confirmation resolution to Nixon.

After they posed with cameramen, Nixon told Ford that delivering the resolution was his last act as a member of Congress.

FORD REPLIED, "I'm no longer a member of Congress."

And Nixon laughingly cautioned, "Are you sure? You haven't been sworn in yet. You still have a 15-minute drive. Don't give up your salary until you get your hand up," a reference to the oath-taking.

When he returned to the House for the ceremony, Ford, accompanied by Nixon, was greeted with enthusiastic cheers, whistles and applause from Democrats as well as Republicans.

Ford took the oath solemnly until he stumbled on the words near the end and broke into his broad, familiar smile. Most of the House debate on Ford's nomination had been in his favor.

THE VICE PRESIDENCY had been vacant for just over two months following Spiro T. Agnew's resignation before he pleaded no contest Oct. 10 to a federal tax evasion charge.

Ford, was the first man to become vice president under the 25th Amendment's machinery calling for nomination by the president and confirmation by both the House and Senate.

To set a precedent if it ever happens again, the House set aside six hours of debate on Ford's confirmation regardless of whether that much time would be needed.

After his nomination, Ford invited a full investigation by Congress of his past to establish the precedent that he should get as much exposure as one who campaigns for election.



Photo by Curtis Leonard

## Tech no Santa this year: holiday extension nixed

By CHARLEY BANKHEAD  
UD Staff

Tech's Administration said Wednesday it is not expecting any announcements concerning the possibility of longer Christmas holidays because of the energy shortage.

A spokesman from the office of Executive Vice President Glenn Barnett said no action had been taken and added, "If we were expecting any announcements, I don't know where they'd come from."

A SPOT CHECK with some of the state's largest universities showed that only Texas A&M has planned on extension of holidays. Mike Rice, editor of the A&M student newspaper, said a decision was made in October to extend Christmas vacation an extra week. The week will be made up at the end of the semester.

According to a representative of the Student Association Office at the University of Texas, that school is still planning to start the spring semester as planned.

"The scheduled reopening of the University of Texas for the spring semester is still Jan. 15," said the spokesman. "Of course, if we run into some drastic weather like last year, the possibility exists that action might be taken. If any new decision is made, I imagine it will come from the president's office."

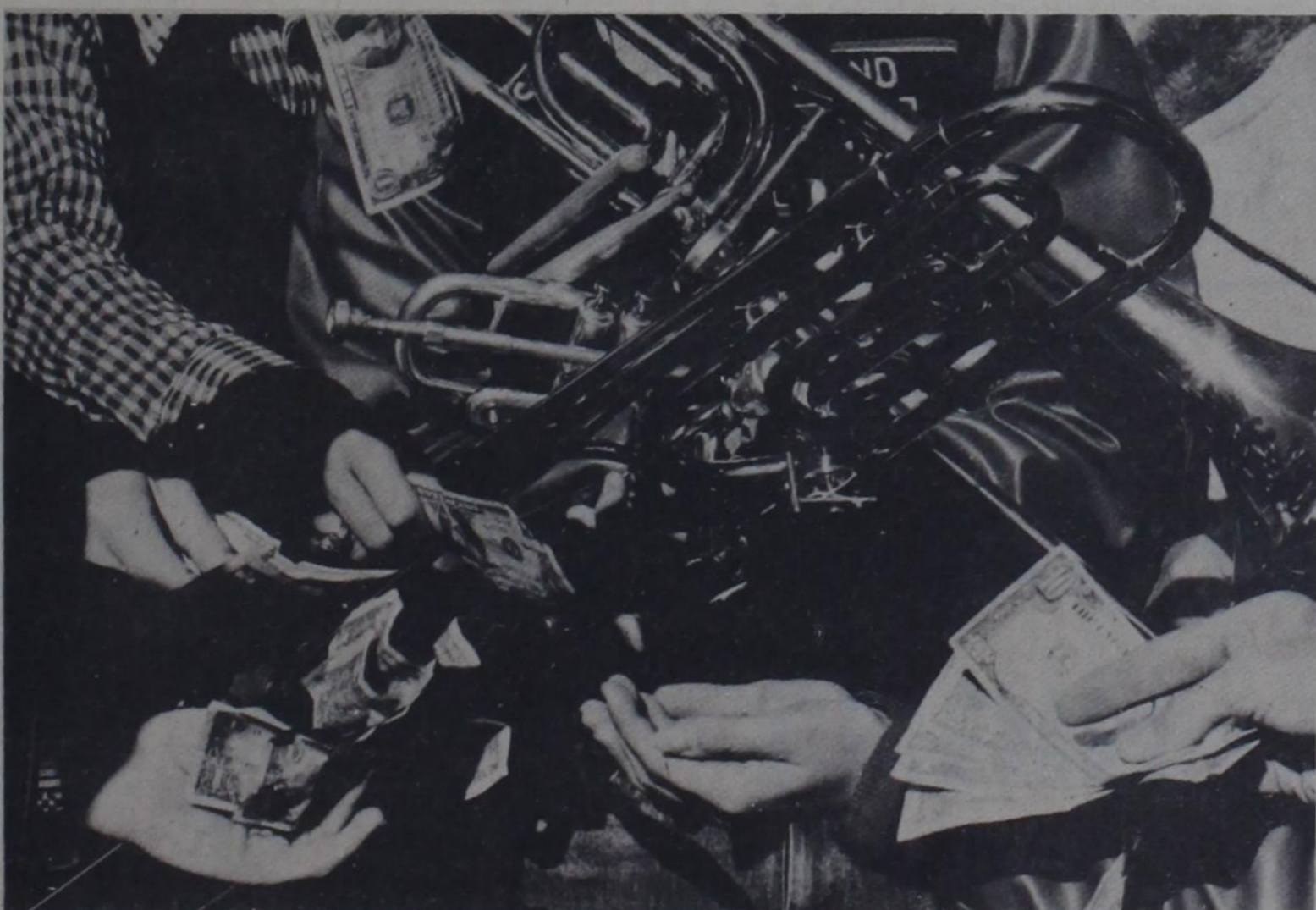
AT THE UNIVERSITY of Houston, the situation was much the same. A spokesman at the university's information office said the administrators had made plans to conserve fuel, but this did not include a later beginning for the spring semester.

The Associated Press (AP) Dallas Bureau reported Wednesday there had been no word from Texas colleges or universities concerning an extension of holidays.

Jim Baker, AP assistant bureau chief, said, "I imagine if any decisions are made, they will come from the individual schools. Each school is responsible for cutting fuel consumption, and how they do this is up to the schools."

## INSIDE TODAY

- Legal Rap ..... p.2A
- A&S requirements changed ..... p.3A
- Lubbock Civic Center fate on council agenda today ... p.3A
- Error in degree plan can delay graduation ..... p.1B
- Energy Crisis issue ..... sect. C



UD Photo by LAURA HORNBERG

## Cash for the brass

A Tech fund-raising drive to send the Goin' Band to Gatorland begins today. Student organizations kick off the two-day drive by collecting donations at various areas on campus including: Business Administration Building, manned by the Saddle Tramps; Administration Building, sponsored by Panhellenic; Agriculture Building, staffed

by the Aggie Council; English Building, supervised by Women's Service Organization; and the Library, serviced by Kappa Kappa Psi and Tau Beta Sigma (band honoraries). There will also be collection points in the University Center main lobby, cashier's stands, snack bar and cafeteria.

## Tech energy seminar

Symposium panelists Bob Mills, of Pioneer Natural Gas; Dr. Freiwald, of the Atomic Energy Commission; and M. J. Adderton,

of Snook and Adderton Engineers discussed the nation's energy crisis in the Business Administration Building Thursday.

## Energy crisis 'wonderful,' rallying point for nation

By SALLY LOGUE  
UD Reporter

"The energy crisis could be the most wonderful thing to happen to this country in a long time; it could be the rallying point to bring the country back together," said Bob Mills, public relations representative for Pioneer Natural Gas.

Mills, along with other experts in various fields of energy spoke at an energy seminar in the Business Administration Building Thursday.

MILLS SAID the energy crisis has been developing over the past 20 years.

"In 1956 the supply of reserves started to go down," he said, "but it was not until 1969 that people started to pay attention."

Bob Brummel of Southwestern Public Service Co., said the world's supply of fossil fuels is 280 Q's (A Q is equal to 10 to the 18th power in British Thermal Units, BTUs). The U.S. has 52 Qs of this reserve, according to Brummel.

Duane Crawford, professor of petroleum engineering at Tech, said the U.S. has 38 billion barrels of oil in reserve. Crawford defined reserve as the amount of resource product producible at today's prices and with today's technology.

"WHEN PRICE and technology go up, the reserves of fuel will go up," Crawford said. Oil companies are drilling wells for oil

and gas deeper and in new areas, according to Crawford. In 1927, the deepest well was 8,046 feet. In 1972 a well 30,050 feet deep was drilled.

"There are 504,000 oil wells in the United States, and only 300 in Iran, Crawford said.

The Mideast has 61 per cent of the world's oil reserve, he said, and most of that was developed with Western technology and money.

The price of foreign crude oil has risen from \$1 a barrel to \$7-\$8 a barrel, according to Crawford.

THE EMBARGO by the Arab nations has resulted in a loss of three million barrels a day to the U.S., Crawford said. This loss equals what could have been produced by the Alaskan pipeline and fields off the Santa Barbara, Calif., coast which have been forced to shut down, he said.

The use of solid waste as a means of producing energy was discussed by Bob Adderton of Snook and Adderton Engineering.

The problem of what to do with solid waste is one most cities face, according to Adderton. The U.S. produces five pounds of garbage a day per person, he said.

"India burns 100 million tons of solid waste a year for cooking and heating purposes," he said.

ONE POUND of solid waste is equal to 5,000 BTUs, according to Adderton.

There is enough waste to take care of 10-15 per cent of the country's needs, he said.

A plant to convert waste to energy would be odorless and produce no environmental problems, he said. "Most plants are located in cities or in heavily populated residential areas," he said.

Dr. Dan Wells, professor of civil engineering at Tech, discussed Lubbock's Canyon Lakes project.

THE PROJECT would produce seven lakes running from Loop 289 on the north side of Lubbock to the Loop on the east, he said.

This would actually involve creating a series of parks, he said. Much of the canyon currently used as a trash dump is being cleared of debris so the project can continue.

Wells said in a few years the lack of water of the High Plains of Texas will cause as big a panic as the energy crisis.

Charles W. Northington, of the Environmental Protection Agency (EPA) said, "I contend future environmental controls should be stronger than ever, but we (the EPA) are willing to give temporary relief from our controls during the crises."

There are no major environmental problems foreseen in the future which the nation does not already have the technological ability to correct and control, he said.

## Senate delays band bill

By ROGER FEHR  
UD Reporter

The Tech Senate Thursday night on a close vote delayed until next semester consideration of a bill which would appropriate \$250 from Student Association funds to help finance the Tech Band's Dec. 27 trip to the Gator Bowl.

The Senate passed legislation creating the SA "permanent survey team" and allocated \$400 to fund the team.

AT THE START of the meeting Sen. Shannon McWilliams moved for a suspension of Senate floor rules so that a bill which would appropriate \$250 for the band's trip to the Gator Bowl could be debated. The band still needs \$30,000 to finance its Gator Bowl trip.

On a roll-call vote McWilliams' motion failed. However, later in the meeting McWilliams again moved that the Senate suspend the rules so a vote could be taken on the bill.

McWilliams argued that the Senate needed to vote on the band trip appropriation instead of sending the bill to committee because Thursday's meeting was the last Senate meeting until Jan. 17, and the band needed the money by Dec. 27, to travel to the Gator Bowl.

HOWEVER, SEN. BOB VINT said George Fielding, assistant to the Tech vice president for development, had assured him that if the band was unable to raise all of the \$30,000 still needed to finance the Gator Bowl trip, the University would pay the deficit.

Vint said that according to Fielding, the band could then work next semester to reimburse the University for any expenses of the band's trip which the University might have to pay.

Vint said he felt therefore that the band trip bill could go through the regular procedure of being sent to committee and being returned to the Senate floor for a vote next semester without hurting the band's Gator Bowl fund-raising drive.

SEN. KEITH WILLIAMS said he felt if a vote on the bill was

delayed until next semester that the Senate would feel the band no longer needed the money even if the band still needed to reimburse the University for some expenses.

McWilliams said he felt the Senators owed it to Tech students who supported the band's trip to at least suspend rules and debate the bill, even if the bill did not pass.

Sen. Luke Wulfjen said he felt action on the bill could be delayed until next semester because "Sen. Vint has already told us that the band is going to the Gator Bowl no matter what, and if there is a deficit next spring we can allocate money to help make up the deficit."

SEN. KAY FORD said, "We've (the Senate) talked about the energy crisis, the Carol of Lights and Nixon, now at least we can talk about sending the band to Florida."

A roll-call vote was taken on McWilliams' second motion to suspend the rules and the motion failed 27 in favor and six against, failing to get the necessary four-fifths vote.

Near the close of the meeting Sen. Ken Baker said he felt the Senate should have at least debated the band trip bill.

Sen. Mike Bausch said Sen. Clive McLelland, a band member, had told him he would have voted against the bill if he had been able to be present at the meeting.

In other action resolutions were introduced for the first time which would state Senate support for:

—Review by Gov. Dolph Briscoe of prison sentences of individuals convicted of marijuana charges which were made misdemeanors by the marijuana reform law passed last summer.

—Construction of the recreational facilities near the Wiggins dormitory complex as part of Tech's semi-centennial during 1973-75.

—Use of one-semester dormitory contracts as well as the two-semester contracts now being used.

It was announced that Sen. Baker, Arts and Sciences senator, will be resigning at the end of this semester.

Jim Farr



# LEGAL RAP

Proper conduct and a cool head may determine the difference between guilt or innocence following arrest for the alleged commission of crime.

Last week, the search of automobiles was the topic for discussion; practical hints as to proper conduct for persons suddenly stopped by the police were examined.

I want to reiterate a couple of points raised in that discussion.

Firstly, all people have the same rights, whether they are guilty or innocent of a crime. Secondly, the exercise of basic constitutional rights is not contrary to respect for law and order. Citizens are guaranteed rights by the constitution and these rights are implemented by the federal and state courts; in my opinion, to suggest an understanding and exercise of these rights is not to counsel disrespect for law enforcement.

Certainly, most students are concerned with the question of automobile searches, but today I intend to expand that topic and view the rights of privacy in the home.

The Fourth Amendment to the United States Constitution provides; "The right of the people to be secure in their persons, houses, papers and effects against unreasonable search and seizure shall not be violated, and no warrants shall issue, but upon probable cause supported by oath or affirmation and particularly describing the place to be searched, and the person or things to be seized." In other words, a man's home may be his castle, but the law provides tools with which to penetrate those castle walls.

The weapon used most frequently to invade the sanctity of the home is the device of search and seizure exercised through arrest or implemented by a search warrant.

What rights does a person enjoy if the police suddenly knock at his door?

Is a student entitled to freedom from unreasonable search in a dorm room?

How can a person protect himself if the police approach his home or dorm room?

Probably the best way to understand this situation and to answer these questions is simply to approach it from a practical standpoint.

If the police come to a person's door, he should go outside, close the door behind him and talk with them. The basic rule to remember is that a person has no duty to grant an officer permission to search his home or apartment.

If the police insist, they should be asked to produce a warrant. In the event a warrant is presented, it should be examined and an effort made to determine whether or not it has a name and address. Additional information that should be elicited from the warrant is whether or not it is correctly dated and whether or not it lists items for which the police are searching. It is also important to determine if the warrant is signed by a judge or magistrate.

Even if the warrant contains this information and appears to look valid, it may have some technical defect which will appear later. For this reason, the citizen confronted with this problem should tell the officers that

he is letting them enter his home because of the warrant, but he should make it absolutely clear that they are doing so without his permission. Of course, it is helpful to make this statement in front of neighbors or witnesses if possible.

The police should be followed inside and no effort should be made to resist their entry. Conduct of the police should be carefully observed; it may provide important testimony during a trial or efforts to attack the validity of the warrant.

Even in the absence of a warrant, it must be remembered that absolutely nothing is to be gained by resisting the police. Many questions as to the validity of the warrant or as to the validity of the search may be raised in court at a later time.

Of course, a student confronted with this problem in a dorm room should conduct himself in the same manner. It has been decided that a student who occupies a college dormitory room enjoys the protection of the Fourth amendment, *Piazzola vs. Watkins*, 442 F2nd 284, 1971. In its opinion, the United States Court of Appeals, Fifth Circuit stated that it is true that the university retains broad supervisory powers which permit it to adopt regulations, provided that the regulations are reasonable and are limited in their application to the university's function as an educational institution.

However, the court stated that a regulation could not be construed or applied so as to give consent to a search for evidence for the primary purpose of criminal prosecution. In other words, the court held that a university could not pass a regulation that would allow unwarranted or unreasonable search of dorm rooms without the consent of the student. The *Piazzola* Case simply holds that students living in dorm rooms enjoy the same freedom from unreasonable search that citizens and students living in private residences enjoy.

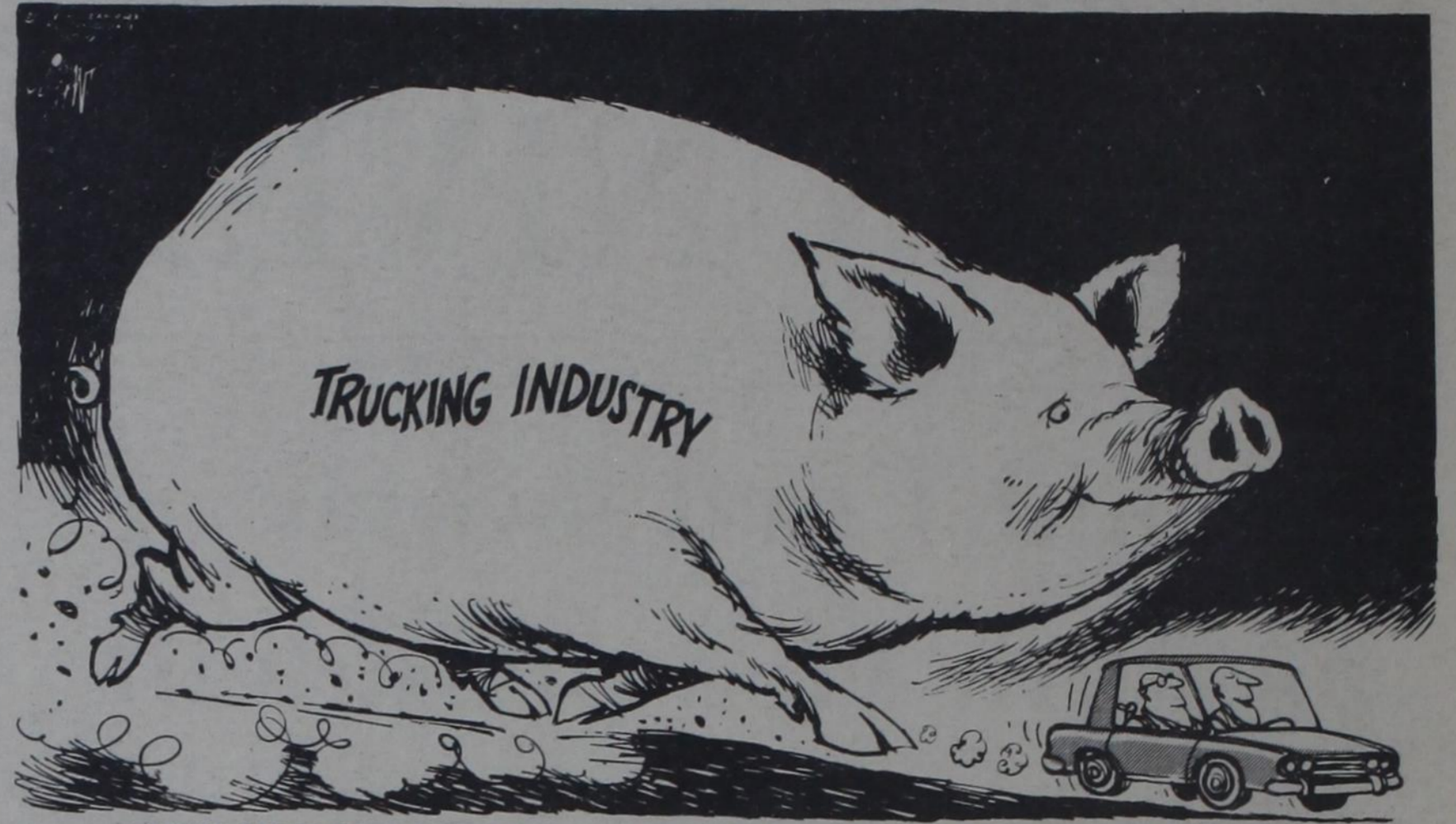
The court concluded by saying that a warrantless search of student's dormitory rooms could not be justified.

In summary, it can be established that students and private citizens enjoy a basic constitutional right to be free from unwarranted searches of their residences or dorm rooms. No student or citizen should consent to the search of his residence or room and likewise no student or citizen should resist the effort to search his residence or dorm room. He can simply protect his rights by verbally protesting the search hopefully in the presence of witnesses.

In the end, it will be a court's duty to decide whether or not the search warrant was valid and whether or not the search itself was valid; consequently, whether or not any evidence obtained is admissible in court. Statements and conduct of persons at the scene certainly will play a vital part in the courts determination.

The basic question is whether or not any evidence obtained is admissible in court. Statements and conduct of persons at the scene certainly will play a vital part in the courts determination.

The basic question is whether in the light of all the facts and circumstances the search was reasonable.



... BUT IF EVERYONE PULLS HIS WEIGHT, I'M SURE WE'LL GET THROUGH THE CRISIS OK!



# WASHINGTON

## merry-go-round

by Jack Anderson

### Fueling around by Pentagon brass

WASHINGTON — With an explosion of grim directives, the Pentagon has cut military readiness to conserve precious fuel. Navy steaming time has been reduced 20 per cent, military flying time 18 per cent. Training flights have been restricted in Thailand. U.S. military activities in Europe have been curtailed. Even in the tense Mediterranean, ships are spending more time in port, and planes are flying fewer exercises.

As evidence that the brass hats are sacrificing, too, the Pentagon has announced that room temperatures have been reduced, Christmas lighting cancelled and limousines abandoned.

All this has been accomplished with great fanfare, presumably as justification for seizing 19.7 million barrels of oil from civilian stocks in November and December. Even more will be siphoned from civilian supplies in the months to come.

The order was issued by the Interior Department, which has authority over fuel allocation. But Secretary Rogers Morton entrusted this crucial power to a retired armchair admiral, Eli Reich, whose first major move was to direct 22 oil companies to give top priority to the armed forces.

At the same time that the brass hats have reduced combat readiness and cooled off the Pentagon, however, they haven't let the stringent fuel economies interfere seriously with their own lifestyles.

**BOTH DEFENSE SECRETARY James Schlesinger and Joint Chiefs Chairman Thomas Moorer, for example, have warned gravely that the fuel shortage could cripple the armed forces. Yet neither official considers the crisis severe enough to give up his gas-guzzling, chauffeur-driven limousine.**

Asked about this, Schlesinger declared petulantly that "if there are souls in torment," he would be "quite happy to abandon" his big limousine. "In the total picture," he contended, the limousines use a "relatively insignificant amount of fuel."

Of course, every individual motorist on the road could use the same excuse for not heeding President Nixon's appeal to save fuel.

Other Pentagon pashas, according to the official word, have turned in their limousines for mere Chryslers. Lesser lights have been assigned to "economy sedans." The Pentagon's press chief Jerry Friedheim, for example, is now lugged around in a chauffeur-driven Matador.

Yet we stopped by the Pentagon the other day and counted seven limousines parked at a main entrance. More than a dozen light sedans were also standing by. Several of the military drivers were running their motors to keep the vehicles warm for their privileged passengers.

We have also been inundated with citizen complaints about military cars hauling wives to the supermarket and children to school. My associate Joe Spear made half-a-dozen spot checks and found that military drivers are still chauffeuring the wives and kids around.

**LAST WEEKEND, the military brass swarmed to the East coast in official cars and planes for the annual Army-Navy football game in Philadelphia. The Navy chartered 75 buses to haul midshipmen to the game. West Point cadets dug into their own pockets to charter 47 buses for the football excursion.**

The armed forces have also refused to cut down on the 143 bands, which not only cost the taxpayers \$48.3 million a year but consume enormous quantities of fuel traveling around the world to toot the Pentagon's horn.

The Air Force band, for example, flies to concerts in two airplanes — a C-118 and a C-131. Three months ago, the band and its affiliated Singing Sergeants interrupted a Texas tour and flew back to Washington to perform two numbers for the Air Force Association's annual bash. The two musical pieces cost the taxpayers over \$14,000, not to mention all the fuel that was burned.

On the ground, the band travels in two buses. But the conductor, Col. Arnold Gabriel, refuses to ride in a bus with enlisted flute players. He rents a separate car for himself.

The military has now promised, as a fuel conservation measure, to curtail "open house exhibits" and "aerial demonstrations." But the fuel scarcity was known earlier this year when the Navy and Marines sent helicopters, biplanes, parachutists and even the new Hawker Harrier vertical take-off plane to the farm of Virginia businessman E. Carl Hengen for his annual corporate picnic.

**THE FREE ENTERTAINMENT** was officially regarded as a "public display." However, it was scarcely advertised, and guards at Hengen's gate routinely stopped drivers to make inquiries.

The energy crisis also hasn't seemed to interfere with the Air National Guard's junkets. Three weeks ago, about 100 students and instructors at the Guard's non-commissioned officers academy in Knoxville, Tenn., flew in two KC-97 refueling planes to the Houston space center for a three-day "education" tour. This week, the Guard is planning to fly three plane-loads of civilians and military dignitaries from Iowa to the Knoxville academy so they can shake hands at a graduation ceremony.

Meanwhile, the Pentagon is requisitioning civilian fuel, at least in part, so the brass hats won't have to give up their chauffeured cars and pleasure junkets.

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## About letters

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

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

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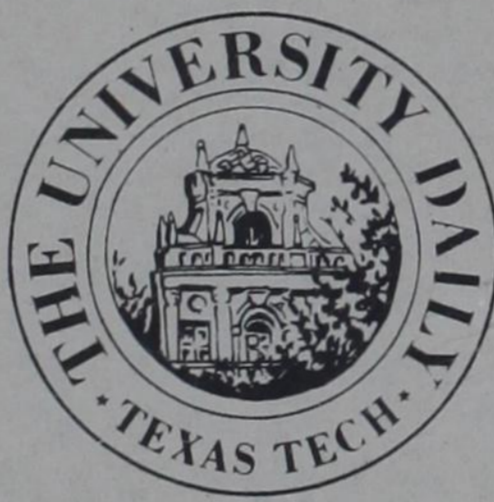
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744-1965

# Crisis caused by inadequate stock of oil, gas, say energy experts

By CHUCK LANEHART  
UD Reporter

The energy crisis is an oil and gas crisis. The United States operates almost exclusively on oil and gas with a little coal power thrown in. The shortage is serious, but experts believe it is not insurmountable.

The fearful cries of "We're running out of fuel" seem to be untrue. Energy experts say what is true is that we're running out of oil and gas in stock, a situation which probably could have been avoided.

Dr. Frank Conselman, Tech professor of geosciences and director of the International Center for Arid and Semi-Arid Land Studies, called the crisis the "combination of a decade of stupidity," because of government over-regulation of the oil and gas industries, unwise international politics and the over-zealousness of ecologists since the mid-1950s.

Conselman mentioned two landmarks which helped to create the present fuel shortage. The first was the Supreme Court Phillips Case which gave the federal government power to control the price of natural gas in interstate commerce.

"The Phillips Case gave the Federal Power Commission full power to regulate these prices, but they didn't know on what basis to do it," Conselman said. "The case upset the natural gas business and created a great deal of confusion."

**THE SUEZ CRISIS** of 1957 was another factor which contributed to the present crisis, Conselman said. "It created the impression internationally that the Western European nations, particularly Great Britain, would be denied the crude oil that they had been getting through the Suez Canal."

"The United States volunteered to meet the need of our allies in NATO by opening everything wide open. We filled pipelines, storage capacities, tanks, pier facilities. This created an oversupply of crude oil above ground which we were literally years trying to work off."

Conselman explained that during the workoff period, the U.S. oil industry suffered a slump and a period of liquidation began about 1960. "Everyone thought the thing to do was to go abroad to get the so-called cheaper oil. Almost all the major oil companies that did this wound up having great disillusionment."

Federal government regulation of domestic oil prices over the past decade has also contributed to the problem. Conselman

said the regulations initiated by Eastern congressmen to protect the Eastern consumer were short-sighted efforts which had no long-range value.

"**THE GOVERNMENT WAS**, in effect, protecting the consumer out of anything to consume," Conselman said. "We finally got to the ridiculous point that Congress was willing to let the foreign importers get up to four times as much money as U.S. producers."

Despite the problems the past has caused, Conselman is optimistic about the future. He said much of our fuel energy is yet to be found.

Conselman pointed out that the high cost of drilling for oil in more and more difficult areas has caused an exploration slump, but added that business is beginning to look better. Because of the period of liquidation since the early 1960s, drilling equipment which is available now is all in operation — looking for the oil that experts know is available in the ground.

Conselman said the best thing for the government to do is "to get out of the way and let the oil industry adjust itself on the laws of supply and demand."

**HE POINTED OUT** that a possible 50 billion barrels of oil on the Alaskan north slope is one source of energy which is beginning to materialize.

Conselman said the ecological movement which has been so disastrous to oil exploration off the coast of New England may die down now and allow those oil reserves to be tapped.

The Arab nations will not hold together on the oil embargo, Conselman believes, because they need to do business with the U.S. and they are not that strongly allied.

"Actually, everyone should do what makes sense. We need to develop every possible oil and gas prospect," Conselman said. "What's needed is a whole lot of compromises. This situation should never have been permitted to occur."

**HOWEVER, CONSELMAN** said the United States will be facing at least two or three years of inconvenience until the oil reserves can be made into a marketable product. He predicted that the U.S. would continue to be an oil-based economy for another 10 years — and then comes coal.

"The big hope we have is our coal reserves," Conselman said. "You can do almost anything with it and we have plenty of it. We need to develop our coal."



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Section C



Energy.....

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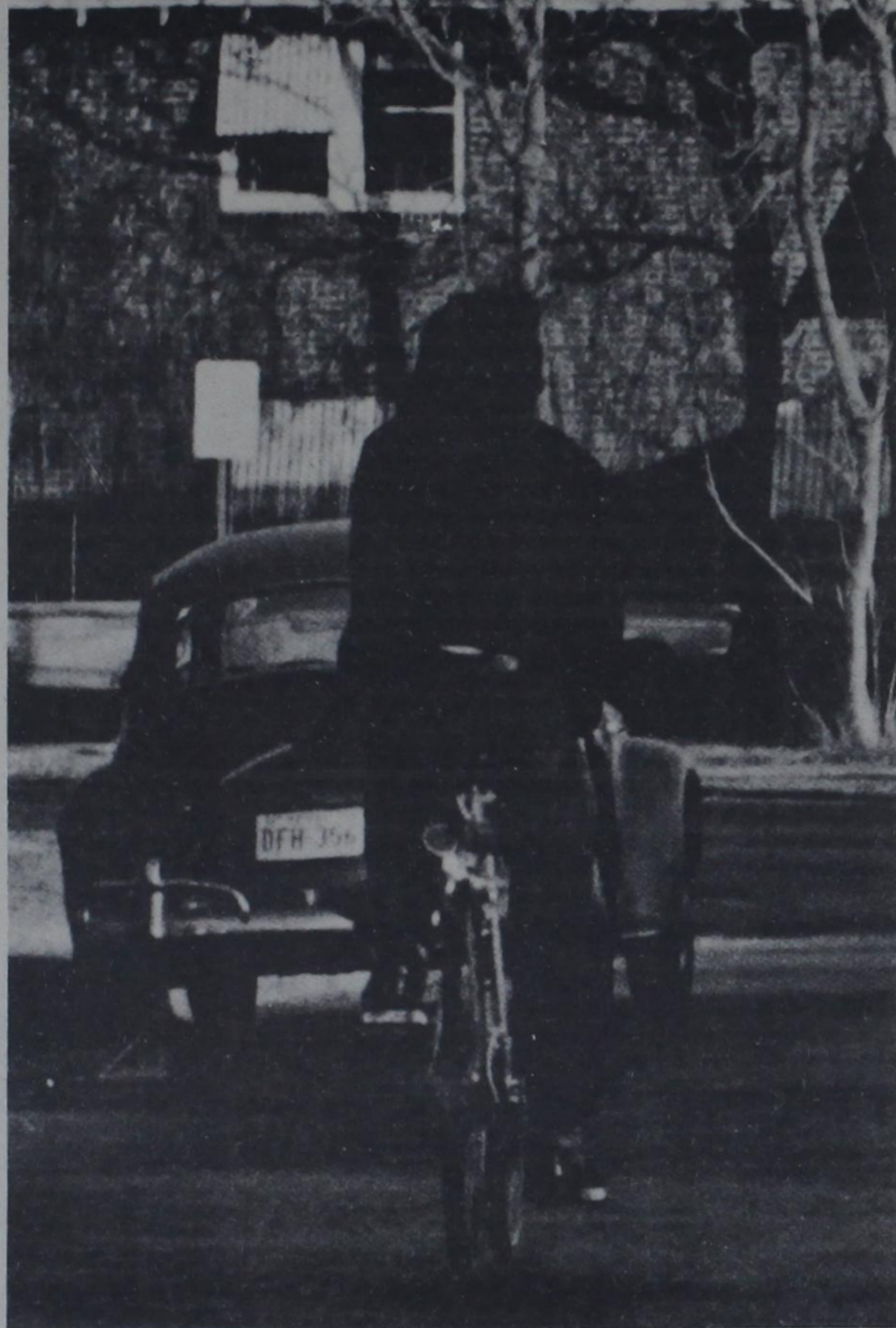
# ENERGY CRISIS

When Tau Beta Pi president Gary Wood brought a collection of reports on the coming energy crisis to the University Daily newsroom last spring, the specter of gas rationing and chilly office buildings and homes was not yet a gleam in President Nixon's eye.

Although we have not reproduced all of their reports here, the information provided by Tau Beta Phi (the engineering honorary society) has been used as resource material by the UD staff in preparing this tabloid section on energy.

The article dealing with alternative energy sources on page 8 is the unabridged product of Tau Beta Pi members Barry Bailey, Mark Gibson, Robert Derr and Wally Burns. Others who contributed reports and resource information are Jeff Morris, Donald Tucker, Don Allred, Jeffrey Amburgey, William Edminston, Kelly Shaw, Bob Bisset, Steven Bell, Gary Froehlich and Harvey Steigler.

And Mark Johnson, Steven Harmony, Wayne Wideman, Don Garner, Patrick Chui, Billy Kleman, Danny Baumann, Thomas Tucker, James Cirone, Charles Campbell and Emerson Chung.



Now that an energy crisis has struck the nation more people will be riding bikes and driving small economy cars.

## THE UNIVERSITY DAILY

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## Students face few major obstacles going home

The energy squeeze has not affected travel as drastically as expected. Students flying, driving or riding the bus home for the mid-term break can expect some difficulties but no major obstacles.

Students driving home can anticipate ample fuel on hand in Lubbock. But local gasoline distributors are urging motorists to buy on weekdays.

Joe Ince, a distributor for local Fina stations, cautioned students to "avoid weekend fillups, and fill their tanks every 50 miles."

Ince said, "It's wise to avoid waiting until you get to a small town to buy gasoline because many rural town stations close all weekend to save gas for farmer customers."

Most distributors foresee a real shortage in fuel supplies toward the end of the month. Ince said his supply has been running out "by the 27th or 28th" of each month.

According to Ince, East Texas doesn't seem to be having as much of a fuel problem as West Texas. However, Joe Martin, local distributor for Gulf Oil Co., said Gulf stations have about the same amount of gas statewide.

Martin said, "We won't run out of gas if people keep off the highways on weekends."

Nelson Hall, vice president of Benton Oil Co. which distributes to Lubbock Phillips stations, said he sees no problem in getting gas except on Sundays.

"Students may not be able to get the brand gas they want, but they will be able to get gas," he said.

Martin said, "If you have a half tank, don't pass an open station."

The five distributors questioned reported they experienced at least a 10 per cent cutback in fuel allocations for December. One company said it received 30 per cent less than it would have normally.

Distributors are allocated the same amount this month they

received for December 1972. None of the distributors would forecast the situation for January, but Hall said he "feels sure allocations will be cut."

Many of the distributors warned against carrying extra gas in trucks or inside vehicles.

Martin said the practice is "highly dangerous" and an empty gasoline can is a "bomb." Fumes from gasoline are very explosive.

Braniff and Continental airlines report no cut in number of flights out of Lubbock, while Texas International Airlines officials say their Lubbock schedule has been trimmed.

TIA did not release the number of flights that had been cut. All airlines serving Lubbock have raised rates five per cent since Dec. 1. The Civil

Aeronautics Board authorized the hike earlier this year.

C. W. Newcom, manager of passenger sales for Continental Airlines in Lubbock, said the increase is due to higher costs of fuel, labor, and other services related to air travel.

Newcom said Continental in September anticipated the fuel shortage and cut down its number of flights 15 per cent at that time. He said that Continental is also enlarging its aircraft to increase the passenger capacity of each flight and thus cut down on flight schedules.

Officials at the Lubbock Bus Terminal said bus schedules have not been cut back and fares have not gone up.

A ticket agent at the terminal said no increase in fare prices is

expected. He said the arrival and departure times for most runs will have to be revamped to allow for the 55 mph speed limit.

The Lubbock Bus Terminal handles buses from four bus lines.

Raymond Wimple, assistant superintendent of operations at the terminal, said buses are still available for chartering but on a priority basis.

"Schools have first priority and businesses are second," he said. "Pleasure trips will either be severely restricted or cut out completely."

Wimple said chartering fees have not gone up. The bus lines, he said, are waiting on the Interstate Commerce Commission, which regulates them, to determine who has priority and if prices can go up.

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# Engineers research alternative power sources

Although widespread shortages of existing energy sources have recently attracted nation-wide attention, scientists and engineers are researching alternative sources. The alternative sources being considered are hydroelectric, geothermal, solar and tidal.

One source of power already in wide use is hydroelectric power. As its name implies, hydroelectric power uses water as an energy source. Falling water turns large turbines which in turn produce electrical power. These turbines are placed in the bases of dams such as Hoover and Roosevelt Dams.

In general, hydroelectric plants are more versatile and efficient than steam plants. During peak electricity demand periods, hydroelectric plants are able to accommodate the increased demand at once.

Steam plants, on the other hand, must have time for the pressure in the boilers to build up before they can meet the increased demand. The steam plant must therefore keep this extra power on hand even though it is not always needed. This results in wasted fuel and energy. Since the hydroelectric plant is able to vary its output with the demand, it is more efficient and economical to operate.

The location of a hydroelectric plant often presents problems whereas a steam plant can be built in or very near the demand center. Hydroelectric plants must be located on a suitable spot along a river, and in most cases this results in having to transport the power long distances to the demand center thus increasing the overall cost of operation.

In general, hydroelectric plants are clean, relatively economical sources of power. In the future they will likely be used as a means to augment nuclear or other energy sources.

One solution to the increasing power shortage in this country would be the utilization of geothermal power resources. Geothermal power is power derived from the steam, scalding water and heat trapped within the surface of the earth.

At the present time, the three sources of geothermal power are geysers, wet steam from the interior of the earth and the heat generated from hot bedrock in the interior of the earth.

Geysers are the most easily utilized source of geothermal power because by their very nature they force steam and scalding water to the earth's surface. Unlike the geyser, the wet steam method uses hot water pumped from deep within the earth to heat a secondary fluid which is then used to power a turbine.

The hot bedrock is the most difficult type of geothermal energy to tap because it involves fracturing hot bedrock deep within the earth and pumping water into the fractures where it is heated. After heating, the water is withdrawn as steam and hot water and is used to power generating equipment.

The advantages of geothermal power are that it is relatively inexpensive and is pollution free. The disadvantages of this source of power are that the steam and water from within the earth contain many impurities which corrode generating equipment and it is practical only in certain geographic areas. Even with these disadvantages, development of geothermal power could bridge the gap between the supply and demand for power until a better source is developed.

Tidal power has also been considered as a power source; with the tides, as they pass up and down a basin, being used to turn large turbines. However, tidal power is presently limited by economics, for it would require extensive dams, machinery and small inlets or bays. But as the cost of fossil fuels goes up, the economics would cease to become a significant factor.

Efficient use of a tidal power plant would require it to be set up in conjunction with a thermal plant that provides a constant base load. The tidal power would then be used to take up excess peak demands. However, the cycle for tides is six hours and the peak demand period is twelve hours, two basins will be required to take up this slack in the tides. The primary basin would be filled during the night by the thermal plant, when the power demand is low, while the secondary basin is pumped as low as possible. Then combinations of the basins and the sea are used to take up the slack. This power source is geographically limited due to finding the necessary basins in conjunction with sizeable tides. Tidal power could thus only be used as a supplement to other power sources.

Considerable attention has recently been given to the conversion of the sun's radiation to usable forms of heat, electricity and chemical fuels. Solar energy can be directly converted to electricity by photovoltaic cells which are being used in the space program but are too expensive now for large scale use. Scientists are also experimenting with methods of converting biological wastes to methane and other fuels using solar energy.

However, the most promising method of using this energy is that of capturing heat for steam turbines which can generate electricity. This heat is collected by a "greenhouse effect", in which a specially-coated dark metal is surrounded by glass panes which allow light in and also hold in heat. This is used in conjunction with mirrors and lens that concentrate the light. Methods have also been developed to store heat energy for night and cloudy days. This type of system is now beginning to be put into use for heating and cooling homes and buildings as it is clean and safe and inexpensive to maintain, although the initial cost is high.

A big disadvantage of this type of energy system is the vast amount of land area required to collect sunlight for a major solar-thermal power plant. This along with climate requirements make the desert Southwest of the United States the only feasible location for large solar power plants.

Other possible future power sources are organic waste and waste heat recovery. Waste heat recovery has been done successfully for years throughout Europe. The municipal waste is burned producing steam which is sold commercially for heat or to drive turbines. This would not be a large power source but it could provide some relief as well as relieve a solid waste problem.

So what is now considered pollution could become a very real power source.

Though most of the attention and research is focused on nuclear power, the previously mentioned power sources, if developed, can provide extensive amounts of additional clean power.

# Apartment managers work with tenants to conserve energy

By GAIL ROBERTSON  
UD Reporter

Apartment managers in Lubbock have been working with their tenants to conserve energy in light of the current energy shortage.

Six of 10 managers contacted said they had already asked tenants to take extra precautions to conserve gas and electricity. Two said they were planning to talk to renters the next time they came to pay rent. Of the other two, one said each tenant pays his own gas and electric bills and it had not been necessary for him (the manager) to ask residents to limit their use of the energy.

The Blue Max Apartments was the only complex where the management did not have any plans to talk to tenants about energy reductions.

"We haven't made any suggestions to tenants about conserving energy because we have a lot of kids as tenants and they don't care as long as they aren't paying the bills," said the manager's wife.

Most of the managers said they had just asked residents to use "general good sense" in their use of utilities and not use anything if it was not necessary.

Five of the complexes have gas heating-cooling systems and four use electricity. The assistant manager of the other complex said she did not know what kind of energy was used.

Four managers said they have raised rent since August and cited energy problems as part of the reason. The others said rent increases due to the energy crisis were a definite possibility, but the decision is up to apartment owners.

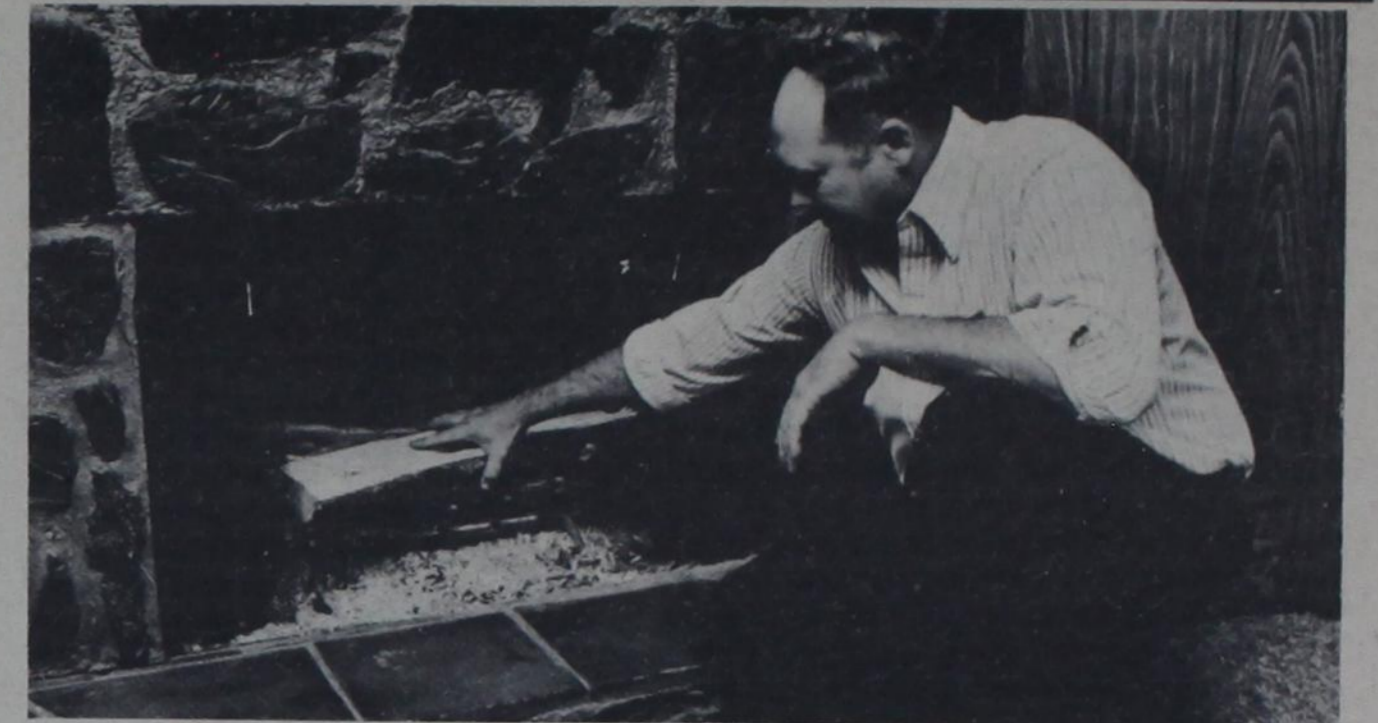
The manager of the Shangri-La Apartments said he has reduced lighting in the entrance and has turned off all lights in the laundry room during the day. He said he has also stopped leaving lights on in his shop.

At the Casa Linda Apartments, the manager said he has closed the swimming pool for the winter. He said usually it is kept open and heated all year. He said he has also asked residents not to wash cars on the premises and to refrain from using exhaust fans because they take heat out of the apartments.

The manager of the Le Chateau Apartments said that, although she has not asked tenants to take extra precautions to conserve energy, several of the residents have been talking about taking measures on their own.

At Lubbock Apartments, tenants have been asked to report gas and/or water leaks as soon as they notice them so they can be repaired as soon as possible. The manager said he had also asked residents not to use air-conditioners or heaters unless it was necessary.

In general, the apartment managers did seem concerned about conserving energy, but their primary concern seemed to be the economics of the situation, rather than the possible shortages.



# Fireplaces gain importance as home heating method

By SANDY MARTIN  
UD Reporter

The scene is a familiar one. A young couple sitting in front of a fireplace, talking about their future as flames from the fire highlight their hopeful faces.

Fireplaces have long been used to create atmosphere. Romantic ski lodges, rustic cabins, and elegant homes are made more charming by fireplaces.

Since the fuel crisis has been threatening cutbacks in more conventional heating methods, fireplaces are gaining importance as a way of heating homes.

Joe Hastey, manager of a

Lubbock fireplace center, said "People have always bought fireplaces for atmosphere. But this year people are fuel conscious."

Hastey said sales are picking up daily. "We've had to bring in another line of fireplaces to keep the doors open."

A check of Lubbock fireplace shops showed that Lubbockites are buying wood-burning fireplaces more than the once-popular gas fireplaces. Gas fireplaces have much of the atmosphere and charm of wood fireplaces, and they are easier to care for.

Hastey said the total cost of a fireplace and installation is approximately \$800. Fireplaces are available in almost all sizes and shapes and colors. They can be installed in a corner, on a wall, in a wall or as a room divider.

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# Lubbock, Tech make changes to conserve energy resources

By GAIL ROBERTSON  
UD Reporter

Lubbock citizens and Techsians may be noticing subtle changes around the city and campus as a result of the nation's energy shortages and President Nixon's plea to conserve energy resources.

Lubbock City Manager Tom Martin said lighting in city buildings has been reduced or eliminated in hallways and non-critical work areas. Janitorial schedules have been moved to earlier hours to take advantage of the daylight hours and thermostats have been set at 68 degrees, he said.

**LUBBOCK POWER AND LIGHT** officials said they had noticed a slight decrease in electrical usage since the energy crisis came to the public attention. Pioneer Natural Gas representatives said they could not make a comparison because of the differences in this year's and last year's weather.

Southwestern Public Service Co. has also reported a noticeable decrease in the use of electricity by their customers, according to a story in the Lubbock Avalanche-Journal.

In answer to gasoline shortages, Martin said the city has been operating under an internal rationing program for three weeks. Police cars are restricted to eight gallons per shift and all other city vehicles, except for certain emergency vehicles, are allowed only five gallons per day. Trucks one ton and over are not being rationed by the city because they use diesel fuel, said Martin.

Before starting the internal control, Martin said normal consumption was approximately 3,000 gallons per day. This has been reduced to approximately 1,800 gallons each day. He said some inspections and enforcement operations have been sacrificed, but not in critical departments.

He added that some city departments had lost their city-owned cars. Certain city officials were using city cars for transportation to and from work prior to the energy problems, said Martin. This practice has been discontinued.

A STATE HIGHWAY Department spokesman, Elmer Wright, said department officials have noticed slight reductions of speed in highway traffic since the 55 mph recommended maximum, but he said he doubted traffic is approaching the 55 mph limit. He added that to his knowledge no speed checks have been made however.

Highway department vehicles have been cut to the "minimum number necessary for operation," said Wright. He said operating speeds have been reduced. He also said the department has been having some problems getting gas.

University officials have implemented numerous conservation measures and are considering several others, according to Fred Wehmeyer, associate vice president.

Lighting is being reduced all over campus and thermostats are being kept at 68 degrees, said Wehmeyer. Custodian schedules have been changed to take advantage of daylight hours and custodial personnel have been instructed to work as much as possible in crews on floors to be cleaned to eliminate some of the lighting, he said.

**THE HOUSING OFFICE**, directed by Richard Richards, has lowered thermostats in dorms and removed light bulbs from some of the hallways. Floodlights and fountains in several dorms have been turned off also, said Richards.

Tech has received 5,100 gallons of gasoline for December, the same amount as last month, said Wehmeyer. He said he anticipates no problems meeting the needs of most campus departments, but said he could not be sure what would happen next semester.

Tennis court lights and refrigeration units in water fountains have been turned off, and decorative outdoor lighting on many buildings has been reduced or discontinued.

Wehmeyer said future measures will depend on developments in the energy situation as a whole.



Photo by Laura Hornburg

# Mass transportation to help combat rising gas costs--but not in Lubbock

By SANDY MARTIN  
UD Reporter

Because of rising costs of fuel and declining gasoline allocations, many cities throughout the nation are relying more and more on mass transportation.

Mass transportation is a way of life in densely populated areas. Buses, subways and trains carry millions of people to work in New York City, Chicago and Los Angeles.

West Texas, long known for its wide open spaces, has no system of mass transportation. Lubbock, the Hub City of the South Plains, depends on one bus company for intra-city transportation.

Lubbock Transit Corporation (LTC) operates the city bus line and Tech's bus system. A report made in 1972 by Simpson and Curtin of Philadelphia showed that the LTC returned only 74 cents in revenue for every dollar in operating costs for the city buses.

City buses are making their runs daily but Lubbockites are not taking advantage of them. Ernie Prenevost, LTC manager, said, "People really haven't felt the energy crisis yet. It's too

early to tell if people are going to start riding the buses. We've had a great many inquiries lately about routes, but I can't say if more people will start using the buses."

Gene Lake, traffic and parking counselor for Tech, said motor pools are being encouraged for campus personnel. He said work crews in building and grounds maintenance have been riding together and using as few trucks as possible.

"Inconvenience is going to become something we're going to have to live with. Sure, it's going to be inconvenient to walk somewhere when you can drive," said Lake.

Lake said "A lot of us are too young to remember World War II and gas rationing. It'll be an interesting experiment to see if we can get it all together."

Lake suggested that Tech students walk instead of drive across campus when possible. He also praised students for cutting down dorm lights and conserving energy.

"West Texas won't be able to turn to mass transportation for relief of the fuel shortage, so we'll have to conserve in other ways. Whatever we do, it all comes down to getting out of the habit of having it so easy."

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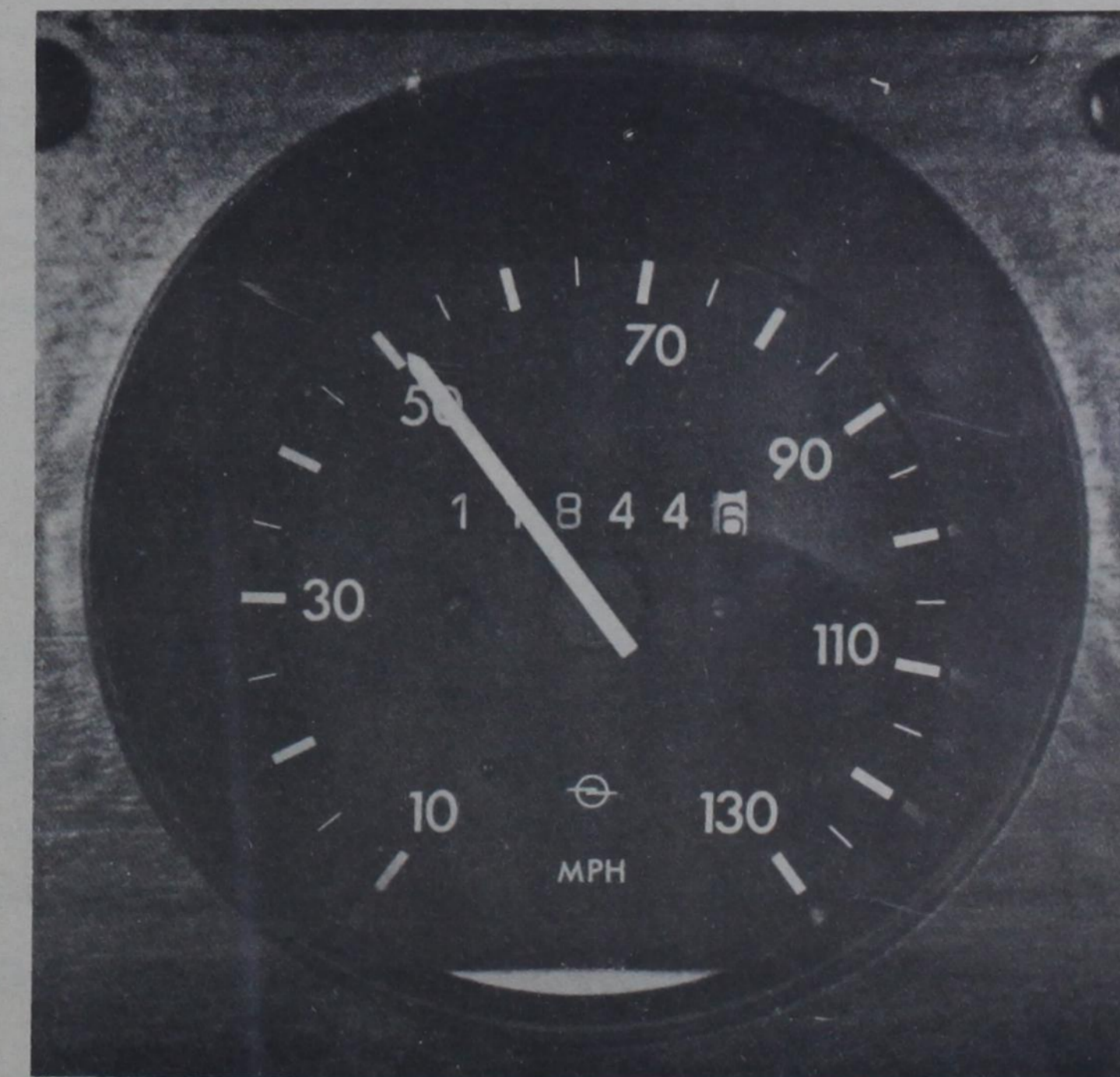


Photo by Jon Thompson



Photo by Laura Hornburg

**Beginning construction**

Workmen began the first steps in University Center-Music building construction this week as they tore up the walkway behind the UC.

**Error in degree plan can delay graduation**

By GERALD FRICKS  
UD Staff

Some Techsians contemplating graduation this December may find themselves out of luck because of failure to file a degree plan with their respective college academic deans. Friday is the deadline for prospective graduates to file this semester.

"Unfortunately we have incidents of students who intend to graduate at the end of a semester and find that they have failed to satisfy certain university course requirements. It's very unfortunate to tell a student that he lacks one hour towards graduation," said Dr. Len Ainsworth, associate vice president of academic affairs.

History, government and PE are required courses established by the state legislature. To graduate,

students must have six hours of government, six hours of history, and two hours of PE.

Entering freshmen next fall will find some changes in degree requirements. New criteria regarding Tech's foreign language requirement will become effective this fall for students in the College of Arts and Sciences, according to Dr. William Conroy, associate dean of Arts and Sciences.

In the 1974-75 general catalogue, students who have had foreign language in high school may satisfy foreign language requirements by taking two semesters of sophomore level language. "This change is primarily to aid entering freshmen who feel that they are not interested in foreign language," explained Dr. Conroy.

**New law course slated**

Sex discrimination in the law will be the topic of a new course to be offered in Tech's Law School next semester.

According to Dr. Rodric Schoen, Tech law professor, subject material in the course will cover criminal, family and marital laws containing sex discrimination. Other material to be presented includes discussion about both federal and state equal rights amend-

ments and the origins of sex role expectations.

Schoen said the 20-member class has been filled for next semester with four graduate non-law students and 16 regular law students.

The number of male and female students to take the course next semester is equally divided. A small enrollment will facilitate a seminar-type discussion, Schoen said.

**Energy crisis may mean lower auto insurance rates**

By LOUISE COOK  
Associated Press Writer

Lower speed limits may also mean lower auto insurance rates for some American motorists.

Officials in 12 states are actively studying the possibility of a rate reduction and the insurance commissioner in a 13th state — Louisiana — already has ordered companies to cut back rates if lower speed limits become law.

An Associated Press survey showed the issue was under discussion in almost every state. In addition, the National Association of Insurance Commissioners, meeting in Las Vegas, Nev., this week, ap-

pointed a special task force to study the energy crisis and insurance rates.

The House has passed and sent to the Senate a bill requiring states to lower the speed limit to 55 miles an hour or lose federal highway funds. In some states, the limit already has been set even lower — 50 miles per hour — for cars.

Insurance officials said it will take some time to tell whether the lower speed limit, combined with less driving because of the gasoline shortage, results in fewer accidents. They agreed, however, that if the accident rate goes down, so should insurance bills.

Pennsylvania Insurance

Commissioner Herbert S. Denenberg said, "With the near certainty of gas rationing and lower speeds on the highways, automobile insurance premium reductions of as much as 40 to 50 per cent may be indicated. This is what happened in World War II with gas rationing."

A spokesman for the commissioner said Denenberg had asked insurance companies to review their rates and apply for a reduction if warranted.

Denenberg also said he was asking auto insurance companies to add a provision to every policy calling for refunds of any excess profits. "State legislatures across the nation

should pass laws mandating a return of such excess profits," he said.

In New Hampshire, Insurance Commissioner Frank Whaland told the Insurance Service Office to resubmit an automobile rating plan to take the energy crisis into effect. He

said he was withdrawing his approval of a plan he okayed earlier.

Louisiana Insurance Commissioner Sherman Bernard ordered 473 insurance companies based in the state to cut their rates if the 50 miles per hour speed limit becomes law.

He did not specify how much of a reduction would be required.

Studies of possible insurance rate reductions also were under way in Georgia, Hawaii, Rhode Island, North Carolina, Missouri, Mississippi, New Jersey, Florida, Maine and Massachusetts.

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## Texas may lose HEW welfare funds

AUSTIN (AP) — Welfare Commissioner Raymond Vowell said Thursday Texas is in imminent danger of losing \$1 million for families with dependent children in the first three months of 1974.

The U.S. Department of Health, Education and Welfare is threatening this "arbitrary and capricious" cut because Texas has not reduced errors in eligibility and overpayment to the federal "tolerance level" he said.

The federal government takes over all welfare programs Jan. 1 except Aid to Families with Dependent Children (AFDC), and even for that program it will provide most of the money.

Vowell told the Texas Public Welfare Board he still was negotiating with HEW officials. He blamed the impending cut on recent regulation changes by HEW.

"Now HEW is going to

penalize the states for doing what HEW required in the adult categories — for the aged, blind and disabled — and strongly urged in the AFDC program," Vowell said.

"Many of the so-called 'errors' for which we will be held accountable are due to the failure of recipients to report changes in income or circumstances which can affect the amount of grants," he said.

The HEW tolerance level for error is 3 per cent on ineligible cases and 5 per cent on overpayments.

The Texas figures for April-September this year are 10.4 per cent and 16.3 per cent, compared with national averages of 13 per cent and 19.7 per cent, he said.

"The states will be expected to reduce these error rates by not less than a third in each of three consecutive six-month periods until the states reach the federal tolerance levels," he said.

Texas is doing everything it can to correct the errors, he said, including requiring recipients to make restitution when the recipient was at fault in failing to give correct information to the state office, he said.

He said HEW promised to help states meet federal requirements without fiscal

penalty. HEW changed some regulations that were inflating state rolls, he said, but was so slow in doing so that the state has not had time to see the results.

HEW also has failed to publish final regulations on medical eligibility for certain coverage, and it failed to provide "timely computer programs for analysis

## Convicted defendants freed by trial judge

CHICAGO (AP) — Four of the Chicago 7 conspiracy defendants found guilty of contempt earlier this week were freed without a jail sentence Thursday by the judge who had convicted them.

Judge Edward T. Gignoux of U.S. District Court, said there would be no point in imposing sentences against lawyer William M. Kunstler and defendants David T. Dellinger, Abbie Hoffman and Jerry Rubin.

Gignoux was severely critical of U.S. Dist. Court Judge Julius J. Hoffman, who presided at the original trial, as well as the prosecutors in the original case.

On Tuesday, Gignoux found Dellinger guilty of seven counts of contempt and the other three

of quality control errors, training programs and other administrative support in reducing ineligibility and overpayments," he said.

"We believe that HEW has failed in its responsibility, making it virtually impossible for the state to meet the federal requirements," he said.

Each of the four could have received a jail sentence of up to six months.

Four of the original defendants and attorney Leonard Weinglass were acquitted earlier of contempt charges.

All of the defendants have been cleared of the charges for which they were originally brought to trial in 1968. The government had accused them of coming to Chicago to incite rioting during the week of the Democratic National Convention.

In freeing the defendants, Gignoux criticized what he called the "contumacious conduct" of the defendants at the original trial. But he said their actions cannot be viewed separately from the actions of the judge and the prosecutors.

Gignoux cited an appeals court finding that Hoffman made several hundred comments "deprecatory and often antagonistic" toward the defendants.

## Pentagon rejects Hollywood request for cooperation on two new films

LOS ANGELES (AP) — The honeymoon is over between Hollywood and the Pentagon.

For decades producers were assured of a cast of thousands whenever they wanted to make movies about the armed services. No more. The new attitude is demonstrated in the Pentagon's turn-down of requests for cooperation on two new films.

The movies are "Cinderella Liberty" and "The Last Detail," and both are being released here this month in time to qualify for the 1973 Academy race. Both are based on novels by Darryl Ponicsan—he also wrote the screenplay for "Cinderella Liberty"—and both have been well received in previews.

The Pentagon decided that neither qualified for Navy cooperation in filming. Movie studios have long made use of troops and material on the argument that their films contributed to the glory of the armed forces. The military began to take a closer look at movie cooperation after "Tora! Tora! Tora!"

The 20th Century-Fox film made great use of military personnel and property to recreate the Japanese attack on Pearl Harbor. The government was compensated, but the arrangement was a bargain for the film company; without U.S. assistance, production cost

would have been far greater than the \$25 million spent.

The Pentagon was sharply criticized in Congress and elsewhere by those who asked: "Why cooperate on a film about America's greatest defeat?"

Since then, the brass has scrutinized every request for help in filming.

Mark Rydell, director of "Cinderella Liberty," said, "We reached out for the Navy's help. We needed a destroyer, a Navy base, a Navy hospital and the services of hundreds of sailors.

"We were perfectly willing to pay the sailors at the going rate and not interfere with any Navy operations.

"The script, we thought, was a very moral tale about a boatswain mate, first class who is a naive, solid American man. He has been in the Navy 15 to 20 years and he says, 'The Navy is my life; I love it.' That's the best possible image for the Navy."

At first the Pentagon seemed to agree. Officials said they

liked the script and asked Rydell to come to Washington to discuss a few changes. They were mostly in language. The script had an executive officer chastising the hero for marrying a girl who was a "semipro whore." The speech was okay — if it was delivered by a non-commissioned officer.

Rydell made the changes, the script was approved, and the director toured Navy bases on both coasts to find a location. He chose Seattle.

## Postal Service to hike rates

WASHINGTON (AP) — Like everything else, the price of stamps is going up. But not until Jan. 5, after the deluge of Christmas mail is over.

Beginning then, it will cost a dime instead of eight cents to mail a first-class letter, eight cents instead of six to mail a postcard, and 13 cents instead of 11 to send an air mail letter.

Comparable increases will apply to second-class, third-class and fourth-class mail.

The Postal Service announced its intended rate hikes last September, saying they were necessary to reduce an operating deficit expected in part because of wage increases for employees.

The Postal Service said the rate increases will take effect on

a temporary basis Jan. 5, pending a review by the Postal Rate Commission.

The commission will decide whether to recommend that the new rates be imposed permanently, but that action probably is several months away.

Only the Cost of Living Council could block the rate increases before Jan. 5. Postal Service officials say they un-

derstand the council will announce within two weeks whether it will allow the rate hikes to take effect.

But the Postal Service is operating on the assumption that the higher rates will be permitted.

Volumes of new basic 10-cent stamp, featuring a design of crossed American flags, are being printed and distributed to the nation's post offices.

## MOMENTS NOTICE

### German Beer Night

International Interest and Delta Phi Epsilon will sponsor a German Beer Night from 7-12 p.m. today in the National Guard Armory. Beer will be 20 cents with an ID.

### Cowboy Christmas Ball

The Cowboy Christmas Ball is scheduled for 8 p.m. Dec. 8 in the Ballroom of the UC.

### Speech and Hearing Clinic

Speech and Hearing Clinic is conducting individual or group therapy for people with raphy for people with stuttering problems. For more information, stop by the clinic or call 742-2155.

### WSO

All WSO members will meet at 8 a.m. Dec. 8 in the Science Quad to help make a wreath for the Carol of Lights. Members should wear gloves and dress warmly.

### Japanese Student Association

Two movies will be presented by the Japanese Student Association at 7 p.m. today in the Blue Room of the UC. Refreshments will follow a discussion of the films, "Japan 1970" and "The Young Women of Japan."

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'What the Butler Saw'

Roger Richards (left) and Jack Bilbo discuss Rosemary O'Brenan in the University Theatre production of "What the Butler Saw." The play opens at 8:15 p.m. today and will

continue through Tuesday. Admission is \$1 for students with a Tech ID, \$1.50 for other students and Reese Air Force Base personnel and \$2 for the general public.

# Physicists, Engineers in demand

By JOHN CUNNIFF  
AP Business Analyst  
NEW YORK (AP) — Shortages of energy and other basic products mean good news for some of those physicists and engineers who found their talents in decreasing demand during the past few years.

A personnel search firm reports a big increase since last spring in demand for workers with talents in the nuclear area, and more recently for those capable of dealing with the use of coal in power generation.

Bill Breitmayer, president of Executive Register, which charges industry \$500 for a computerized search of its 15,000 up-to-date resumes of executive and professional workers, claims that salaries also are soaring.

A nuclear engineer or physicist with capabilities in

basic design and applications is now commanding a salary of above \$30,000, Breitmayer states, compared with \$22,000 to \$25,000 at the beginning of last year.

For highly talented and accomplished individuals with doctorates and the ability to manage industrial physics or engineering departments the salaries might be as high as \$80,000 to \$100,000, Breitmayer's records show.

For some physicists and engineers the renewed demand for their services is in sharp contrast to the gloom that pervaded their fields just three years ago, when many of them were forced to seek employment

outside their specialties.

As a result, the search for qualified personnel today is somewhat more difficult than in previous years, when search firms and talent-hungry companies knew where to look.

Some talent-rich companies became known in the 1960s as universities, for example, because they trained and "graduated" so many specialists. Search firms regularly raided such staffs.

Breitmayer now finds that searchers must be more creative. In some instances they have to induce specialists to return to industrial jobs from teaching or other pursuits.

Among job titles now in

demand, Breitmayer says, are project managers, contract administrators, design engineers, safety specialists, pressure vessel designers and computer systems analysts.

"Anyone who has design or project experience in power generation is valuable," he says, "whether it's for nuclear, fossil fuel or electrical."

Another area of demand, this one resulting from the vast number of product shortages, is for purchasing agents with international experience in buying foodstuffs, basic metals, cotton and other raw materials of manufacture.

"The cost of a good pur-

chasing man is going up and up and up," Breitmayer says, adding that a knowledge of currencies, rates of exchange and dealings with foreign experts is prized.

Pulp and paper companies in particular have a great need for production engineers, he finds, especially for those who can handle waste, temperature and other ecological matters.

Nevertheless, Breitmayer finds it wise to add a word of caution. "The total market for executives is still high," he notes, "but there's no telling right now what it will be around the first of the year."

## Petrochemical exports increase

NEW YORK (AP) — Although petrochemicals are in short supply at home because of the energy crisis, Commerce Department figures show that petrochemical exports from January through October were above 1972 levels.

Petrochemicals, which are derived from petroleum and natural gas, are vital to the manufacture of such varied products as drugs, plastics and synthetic fibers.

The U.S. drug industry, a big user of petrochemicals, warned last week that domestic shortages could put medicines in short supply this winter. Manufacturers of other products dependent on petrochemicals have issued similar warnings of cutbacks.

November figures are not yet available, but some industry sources said exports continued to exceed 1972 levels because of higher prices abroad.

The Arab oil boycott threatens to cut deeply into the production of petrochemicals.

Experts analyzing the complicated Commerce Department figures said that export volume was running about 10 to 15 per cent above 1972 levels through October. They said the dollar value was about 35 per cent above the 1972 figure.

Petrochemical sales, domestic and foreign, totaled \$20 billion in 1972. Exports were \$2.4 billion.

"We're definitely feeling the supply squeeze but we have not had to cut back production for penicillin and other drugs," said a spokesman for Pfizer Inc., a major drug manufacturer. "The situation could get considerably

worse if allocations are reduced."

Toy manufacturers are big consumers of plastics made from petrochemicals. The Toy Manufacturers Association said there were enough supplies to complete normal production for this Christmas. But plastics cannot be purchased in sufficient quantities to begin making Christmas toys for 1974, a spokesman said.

In a recent study, Arthur D. Little Inc., a Massachusetts-based research firm said that a

15 per cent reduction in petrochemical output could leave 1.6 million to 1.8 million people unemployed in industries dependent on petrochemicals. The study said a 15 per cent cutback in petrochemical production would cost the economy \$65 billion to \$70 billion annually. The annual Gross National Product is \$1.3 trillion.

Under President Nixon's Phase 4 regulations, petrochemical manufacturers can raise prices to offset some cost increases, but they can't

increase profits. Price controls do not apply to exports.

A spokesman for Dow Chemical Co., a major petrochemical producer, said Dow exports were up from 1972, but the percentage of increase was not as much as the percentage increase in domestic sales.

Spokesmen for Exxon Chemical and Union Carbide made similar statements when questioned by a newsman. None gave specific figures.

## Effects of day care under study

LEXINGTON, Ky. (AP) — A pilot study by a team of University of Kentucky psychologists shows that children who attend day care centers do not differ mentally or socially from children who stay at home with their mothers.

The study shows family relationships are apt to change as a result of participation in day care centers.

Dr. Richard Winett, who headed the research team, said the study sheds some light on one controversial issue of the feminist movement: whether working mothers who leave their children in day care centers are depriving them.

The project is unique in that psychologists studied parents and children in different types of existing day care situations. Winett said previous studies have dealt only with demonstration-type centers.

"The difference is that those are not typical of what goes on in the community," he said.

"They use highly trained people and there's a small child-teacher ratio. There was a need to evaluate fairly typical situations."

Winett said the most important findings of the study "are that apparently children are not harmed by day care and babysitting arrangements and that the family structure seems flexible enough to both accommodate and allow for these arrangements."

He said the results give "some support to proponents of day care and those groups advocating women's involvement in work outside the home and men's closer involvement in child care and household tasks."

Fathers whose children spend time in a day care center are more likely to devote time to their children in the evening and tend to help more with household tasks and child care, Winett said. He added, however, that increased participation of the father did not appear to

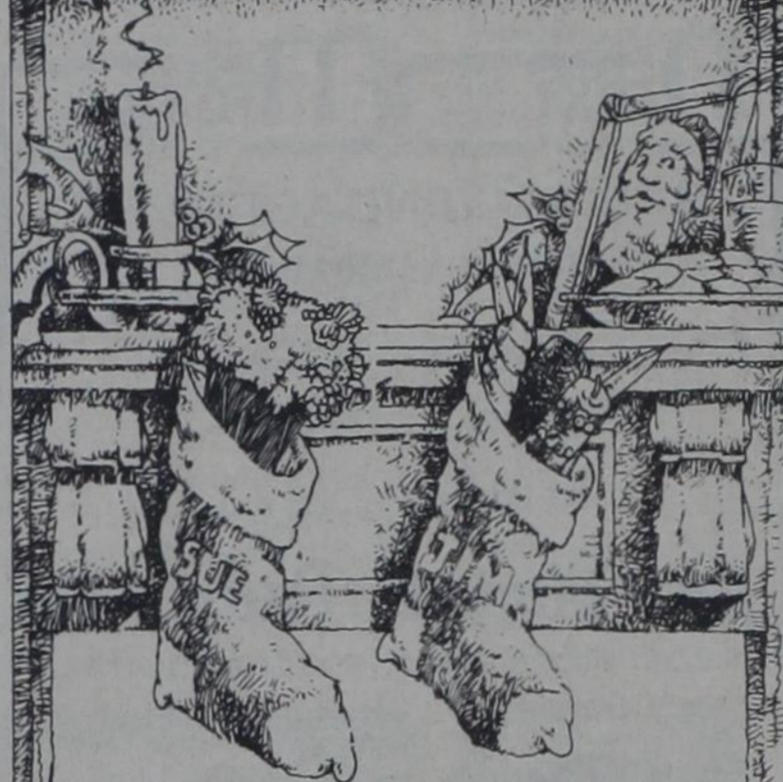
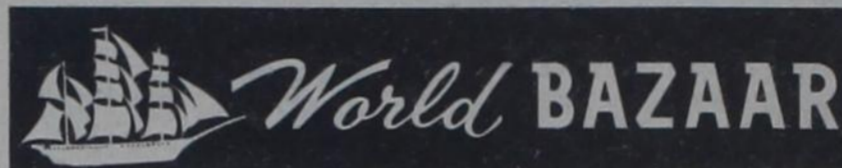
either enhance or hinder the child's development.

He noted significant differences exist between families whose children were in different child rearing situations.

The at-home families tended to be "somewhat more conservative, have more children and be overwhelmingly middle class," he said, whereas the families in the day care group were more likely to have "more liberal backgrounds, have fewer children, have income levels that varied and have a mother working."

More than 100 families were studied and evaluated. They were primarily white, middle-income families with black families and those at the extremes of the economic spectrum under-represented, Winett said.

He stressed that his findings should be considered applicable only to children and families with characteristics of those participating in the study.



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# A&S requirements changed

By MARCIA SMITH  
UD Reporter

Several changes have been approved for the Arts and Sciences (A&S) general degree requirements, including a reduction of the foreign language requirement and the addition of a humanities requirement.

Changes in the catalog include a change in the bachelor of arts requirement to include specific and distribution requirements, minor changes in offered courses in each college, and the inclusion of the American College Testing (ACT) scores (in lieu of the college board, or SAT).

"The purpose of these changes is to introduce greater flexibility into our programs in order better to serve the needs of our students," said Dr. Lawrence Graves, A&S dean. In general, foreign language requirements have been changed to allow students who have taken two units of a foreign language in high school to meet their degree requirement by completing six hours in the same language. Students now have the option of first enrolling in the introductory sequence if they wish.

A humanities requirement for the B.A. degree has been added under the heading of

distribution requirement (which also includes fine arts, science and social science). Specific requirements include English, foreign language, math, history, political science and physical education.

The distribution requirement has been broadened to include more courses, according to Dean Graves.

Humanities courses will include Classical and Romance languages (including Classics, English, Germanic, Slavonic and Oriental languages), philosophy, speech, arts and sciences honors, and humanities.

The science requirement has been slightly altered. If two or more high school natural lab sciences (not including general, physical or applied) are accepted, eight hours are required for the degree. If not, 14 hours are necessary. Only the first eight hours must come from a lab science. Choices for lab science have been broadened to include atmospheric science, physical geography and astronomy.

The final three hours of the 12-hour English requirement may be satisfied by taking Speech Communication 131.

Changes in requirements for the Bachelor of Science (BS) degree include the same foreign language change as for the BA, with 8 hours of natural science required and a six-hour non-science, non-mathematics elective requirement added.

The minimum number of advanced hours required for a major has been increased to 24, while more options have been given for the minor.

The changes in the BS degree provide for greater specialization than the BA, according to Dean Graves.

All revised requirements, which will appear in the 1974-75 catalog, will apply to freshmen or transfers who first enroll for the 1974-75 school year. Students

who are already enrolled may elect (at the time they file their degree plan) to fulfill the 1974-75 degree requirements, if they plan to graduate in December 1974 or after. However, all the new degree requirements must be fulfilled.

Only slight changes in curriculum will appear in the catalog for the other colleges,

according to the respective deans.

Target date for the release of 1974-75 catalogs is April 1, 1974, according to Dr. C. L. Ainsworth, associate vice president for academic affairs.

"In the past, we have ordered 40,000 catalogs. We will order many more than that for next year so that every student can

have one," said Ainsworth. "We hope that, in the spirit of conservation, students will only take one."

Registration packets, including spring semester class schedules, can be picked up from 1-6 p.m. Dec. 10-14 in the second floor conference room of West Hall.

## Lubbock Civic Center fate on council agenda today

By SHEILA ALLEE  
UD Reporter

The fate of Lubbock's proposed Memorial Civic Center will be more certain today after city councilmen decide what to do about the underfinanced facility.

The most likely route the council will take involves rejecting current bids, trimming down the existing design to the bare minimum, and rebidding the center. New bid costs in excess of the \$6.2 million the city has in bond money probably will be financed through issuance of certificates of obligation.

Mayor Morris Turner has come out in favor of such a plan.

And architects say if such a plan is pursued and the contract is awarded by early February, it is conceivable the project could be completed by 1976.

That is the year they have been predicting the center will open. Sterling Miller, director of finance for the city, said if the council chooses such an alternative, it will take architects about 10 days to redraw the specifications. The planned early-learning center likely will be axed and less expensive materials will be substituted for more costly specifications. The cutback, Miller said, should amount to \$1.3 million.

The city's part of the low bid of \$14,365,544 amounts to \$10.5 million. Urban Renewal is funding the remainder.

Subtracting the \$1.3 million in design cutbacks, and \$300,000 Urban Renewal says it can absorb from the city's portion, the total comes to an \$8.9 million tab for the city.

This leaves the city with a \$2.7 million deficit to which will be added \$150,000 in added architectural fees, \$500,000 for furnishings, and \$280,000 in other equipment for the center. Thus, the city will be faced with coming up with more than \$3.5 million.

If certificates of obligation are issued, Miller said, at least part of the payback will come

out of a seven-cent tax increase adopted earlier this year. The hike was passed to absorb cost overruns for both the new airport terminal and the civic center.

"The seven cents may or may not take care of all the debt on the certificates," Miller said. "We have yet to put the pencil to it and figure it out."

The only other alternatives the council will have will be to call for a complete redesign of the facility or axing of more sections in the multi-faceted convention center.

The council will make the final decision at 10 a.m. today in the Emergency Operations Center in the basement of City Hall.

## Contribution forfeits discussed by House

WASHINGTON (AP) — The House Administration Committee has tentatively agreed on legislation forbidding the U.S. Treasury illegal contributions to political campaigns, its chairman said Wednesday.

Chairman Wayne L. Hays, D-Ohio, told newsmen this is one of several items to be included, under an informal consensus, in a measure the committee is drafting.

The forfeiture feature would apply to contributions by corporations, who are barred by law from contributing to political campaigns. Some have pleaded guilty to contributing to President Nixon's campaign and some contributions have been returned.

No agreement has been reached, Hays said, on the controversial issue of public financing of elections.



### 'Tell Pharaoh'

Sharon Buford and Norman Thompson get into their roles as a lady and a gentleman from the Harlem of the 30s during rehearsals for the Student Organization for

Black Unity production "Tell Pharaoh." The play opens at 7 p.m. Dec. 9, in the UC Ballroom. Admission is 50 cents.

## Lower speed limits hurt trucker

EAST BRUNSWICK, N.J. (AP) — When Wayne Langdon climbs into the cab of his big diesel, America's energy crisis goes along for the ride.

It never leaves his side, on the road or at home.

Langdon is one of thousands of men who make a living from the needs of people who want to get something from one spot to another. He's a trucker.

On his job, he hauls petroleum products. At home, he is a father of four who must make sure his furnace has enough heating oil to keep the chill outside. And now the government has told him to drive slower.

"What this means is that I have to stay away from home longer," he said. "And since I get paid by the mile, I don't get any more money."

Income, however, is only part of the problem.

"I expected Wayne at midnight Tuesday," said his wife, Margaret, after her husband ended a round trip from here to Winston-Salem, N.C. "That run is normally a two-day trip. With the 55-mile per hour speed limit, it's two and a half days."

After pushing the 290-horsepower rig past other trucks, around detours, onto weigh scales, into long refueling lines

— all after sleeping in a coffin-like bed attached to his cab — Langdon can give his children only the barest attention. Fatigue has generated its own energy crisis.

"We're required to take an eight-hour rest break. Because of this, I can't cut my sleep short to make up the time I lose by not being allowed to drive 65 any more," Langdon says.

"Also, because I can't get my tanks filled at one stop, I have to hedgehop from one truck stop to another to get enough fuel. That means more time lost and it also means I can't shop for the best price. I have to take what I can get," he said.

Langdon doesn't own the truck he drives. It is one of two owned by his boss. Both tractors are under contract to an oil products firm.

More mileage for the trucks means more profit and more pay. Faster speeds mean less fuel consumption and smaller costs. Faster speeds also mean more time at home and more trips.

of excessive length, mini-skirts, and other immodest apparel," he said. "But the primary violations are young women wearing jeans on campus and young men with hair length over their ears and shirt collars."

When they apply for admission to Brigham Young, operated by the Church of Jesus Christ of Latter-Day Saints (Mormon), students must promise to obey dress and grooming standards.

## Dress code violators at BYU risk failure

PROVO, Utah (AP) — Brigham Young University (BYU) says students who violate dress and grooming standards will not be allowed to take final examinations and could receive a failing grade.

BYU President Jallin Oaks authorized the action Wednesday in a letter to faculty members. "There are too many violations of general grub-biness, mustaches below the corners of the mouth, sideburns

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### Stolen stove closes school

WARREN, Ohio (AP) — A two-room Amish school at West Farmington was closed because someone stole a stove. Trumbull County sheriff's deputies said someone broke into the building last week and took one of two stoves. The remaining stove would not heat the entire building, so classes were canceled for the 42 pupils. Because of the energy crisis, there has been a run on wood and coal stoves in this area.

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# Lack of experience and depth pose problems for Tennessee defense

**EDITOR'S NOTE:** The following is the second in a series of stories dealing with different facets of the University of Tennessee football program. Tech will play Tennessee in the Gator Bowl. Today's story concerns the Vol's defense.

By **TONY BATT**  
Sports Writer

Linebackers ... that's the answer to the \$64,000 question concerning Tennessee's defense. Since 1965, the Vols have placed eight separate members of their linebacking crew on the all-America team. Stalwarts like Frank Emanuel, Jack Reynolds, and Jamie Rotella have been consensus all-America choices in this eight-year span. And don't forget Steve Kiner, the former Dallas Cowboy and Duane Thomas ally, who failed to attain the elite status of the super six but is still playing in the NFL.

Oh but, the times ... they are a-changin'. Despite having Art Reynolds, the brother of Jack, Tennessee does not possess a viable all-America candidate in the 1973 linebacking corps.

Last year you received the wrong impression however, consider the fact that Tennessee will be making its eighth consecutive bowl appearance when it faces Tech in the Gator Bowl Dec. 29. "I know I have to realize there will be times when we won't have a super defense," said Tennessee coach Bill Battle in a pre-season news conference. "This season could very well be the year when ours won't be super. But I can tell you one thing — we won't have a sorry defense either."

Basically the Vols have been hurt by a lack of experience and depth among their defensive troops. This was especially noticeable in the loss to Alabama when the crimson Tide

broke several long runs. However the defense has usually performed adequately enough for the prolific Tennessee offense to take care of the rest.

Joining Reynolds, who holds down the middle linebacker position, is senior Eddie Wilson who is the only other regular linebacker. Hank Walter has seen a lot of playing time at the other corner but has not earned sole ownership of that spot.

Up in the trenches, where coaches say the game is won or lost, Tennessee depends mainly on Robert Pulliam. A second team All-American as a sophomore last year, Pulliam appears to be the perfect counterpart of Tech's Ecomet Burley. Pulliam pans out at 6-1, 248 which is a little bigger than Burley but not much. At defensive end, the man to watch is David Campbell, who is a cagey senior with great speed

and quickness. He will be complemented by Sammy Hair, a junior, who did not play much last year but has gained considerable experience this season.

In the secondary, the Vols may be extremely vulnerable in light of the fact that Tennessee is inexperienced in this area and Andre Tillman and Lawrence Williams are gaudy receivers who terrorized the Southwest conference this fall. Tennessee no longer has Conrad Graham, an All-America cornerback in 1972, to close off the opposition's pass route. Indeed, the weakness of the secondary is at the cornerback spots where Nick Carmichael and Russ Rabenstein have been adequate but nothing more. The safeties, Eddie Brown and Jim Watts, are in short outstanding and Tech's Joe Barnes may have to concentrate on quick slant-ins to move the ball through the air

## Muckraker-Establishment clash set

Saturday's 1:30 p.m. cage battle between the University Daily "Muckrakers" and the University Staff "Establishment" in the Intramural Gym will mark the first meeting between the two traditional rivals.

The game will be in support of a campus-wide drive to "Send the Goin' Band to Gatorland." No admission will be charged to see the contest, but donations will be accepted.

For the past 50 years, the administrators have been the most powerful team on campus. However, both teams boast undefeated records: some

observers say the University Daily has yet to report the truth and the Staff has yet to tell it. Some experts are predicting an upset by the younger (by about 20 years) Muckrakers.

Possible starters for the tall Establishment team include Associate Vice President's for Academic Affairs Floyd Perry and Samuel Curl, both in the neighborhood of 6'5", Coach Don Boucher (6'), Assistant Dean of Student Life George Scott (6'), and an unnamed fifth man — the Establishment's secret weapon—alleged to be Vice President for Student Affairs Robert Ewalt, (6'5").

"I don't know what we're going to throw at those overgrown junior high school PE teachers," said Muckraker Coach Jeff Lucky. "I may have to buy my guys elevator shoes just so they can see those guy's kneecaps."

Possible starters for the squatty Muckrakers are Robert "Rapid" Montemayor, William D. (for dribble) Kerns, Curtis "Flash" Leonard, Chuck "Last Tango" Lanehart, and Roger "Stretch" Fehr. Coach Lucky said he was too embarrassed to mention the Muckrakers' heights.

"Even people of short stature can play good basketball," Ewalt said of the Muckrakers, "But I understand the UD

doesn't even have that going for them."

"They don't have a freshman's chance at registration," laughed Establishment mentor Boucher. He blasted UD star guard Rapid Robert Montemayor saying, "He won't last a quarter."

UD editor Mike Warden and a yet unannounced administrator will serve as referees for the contest.

"That's definitely encouraging," Muckraker Coach Lucky beamed. "Even if they give Carlton Dodson a striped shirt, there's nobody who can blow the whistle on the administrators like Warden—we've got it sacked up."

## Badminton competition begins this weekend

By **SONYA HAWKINS**  
Sports Writer

This weekend marks the beginning of competition for the Tech Intercollegiate badminton team.

Coach Jackie Barnes' team will travel to Abilene to participate in the ACC undergraduate tournament and open tournament.

Raider representatives will be

Trudy Davis in women's singles and mixed doubles, Barbara Fowler in women's singles and women's doubles, Cathy Bacon in women's singles and women's doubles and Tom Baker in men's singles and mixed doubles.

After this weekend, the team will not be in action again until the first weekend in February.

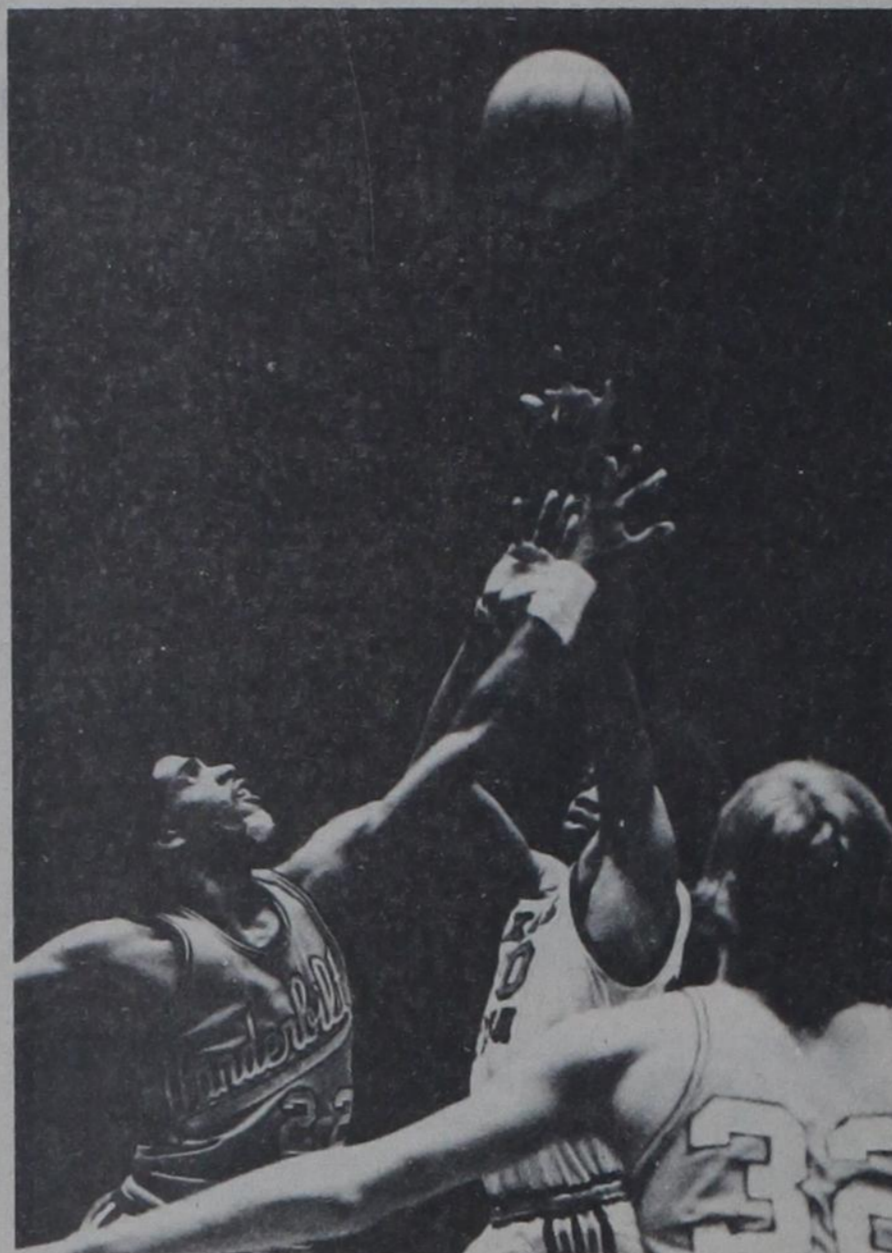


Photo by TOM GOOLSBY

Jump shot

Tech's William Johnson goes high for a shot over Vanderbilt's Bill Ligon in the Commodores' recent win. Looking on for Vanderbilt is Jan Van Breda Kolff (32).

## Basketball tourneys to begin play Monday

By **TERRY HELGREN**  
Sports Writer

The annual ATO-Sigma Nu basketball tournament will begin Monday with 42 teams competing for the championship. Last year's winner in the ATO "A" team tourney was Sig Eps, with the Catholic Student Center coming in second after winning the consolation bracket. Champions in the Sigma Nu "B" team tourney were the Sig Eps "B" team. The Phi Deltas "B" won the consolation bracket.

The teams playing Monday in the ATO tournament are: ATO against Alpha Phi Omega; the PIKES will play SNUTZI; Sigma Nu will take on the newcomer Friday Night Tape Class; the Schniudes will go against Bledsoe; Apocalypse will tangle with Die Spielen, and the SAE's will play ASCE.

In Tuesday night's games defending champion Sig Eps will play Campus Advance; KAs will tackle Sneed Hall; the Moonrakers play CSC; the Deltas will go against the Javelinas; another newcomer, the Gubernaculum, will play the Sinkers; Sigma Chi will tangle with the Scabs; Outsiders will play CSC "B", and the Phi Deltas go against the Hot Rocks.

In the Sigma Nu "B" team tournament, games will begin Tuesday night with six teams playing. The KA's will play Kappa Sigma, Sigma Nu will be matched against Phi Epsilon Kappa, defending champion Sig Eps will team up against CSC, and ATO has received a bye.

Games to be played Wednesday night are Sigma Chi against the Pikes, Air Force ROTC against the Deltas, the SAE's are matched against the Phi Deltas, and the Betas draw a bye.

Money from ATO and Sigma Nu tournaments will go to a scholarship fund. The playoffs for the championships will be Sunday, Dec. 16, at 1:30 p.m. and 3:30 p.m. All games will be played in the Men's Gym and the Intramural Gym with the championships in the Intramural Gym.

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# Tech seeks hat trick against Stetson

By BROOKS TINSLEY  
Sports Editor

Florida boasts a lot of things, including oranges and the Gator Bowl. The state also is the home of Stetson University and it's only fitting that the school's nickname should be the Hatters.

Anyway, Stetson will be visiting the confines of the Lubbock Coliseum Saturday for a 7:35 p.m. tip-off against Coach Gerald Myers' Red Raider basketball squad.

The Hatters have played but one game thus far, defeating the Australian Olympic team. Therefore, Myers knows little about the squad except for the personnel.

"Stetson has all its starters back from last year," he said. "They have good size and a good defense. Besides that, they will bring a good deal of experience into the game."

The Hatters are led by their 6-8 center, Billy Williams. Williams scored 26 points in the opener. The other standout is 6-6 forward John Haslem. Haslem was the team's leading scorer last season.

Joining Williams and Haslem in the Hatters' starting line-up are senior guards Leroy Wilson, 6-1, and Denton Jones, 6-1. Bill Seitz, a 6-7 junior, will fill in the other forward spot.

The Raiders, 1-2 for the year, will counter with their usual starting line-up. Rich Little and Don Moore will open at guards, William Johnson and Grady Newton will man the forwards and Rick Bullock will fill in at center. Bullock and Johnson are the team's leading scorers, averaging 20.7 and 19.7 points respectively.

Myers has been quite pleased with the play of the Tech front

line in the first three games. "Our front line has been doing a good job," he said, "but we need to improve in some areas. I am particularly pleased with Newton's play, since he had no experience before this season."

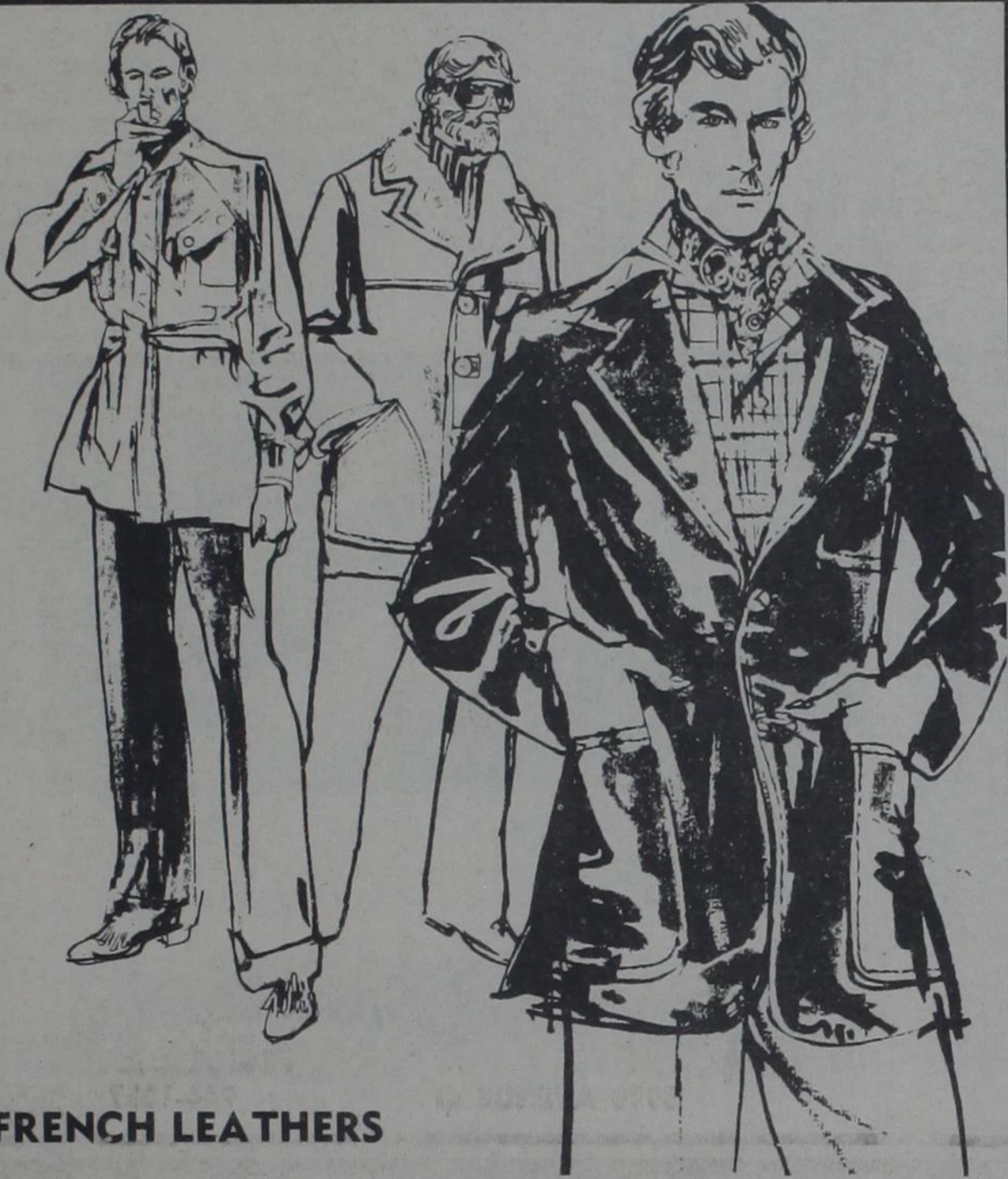
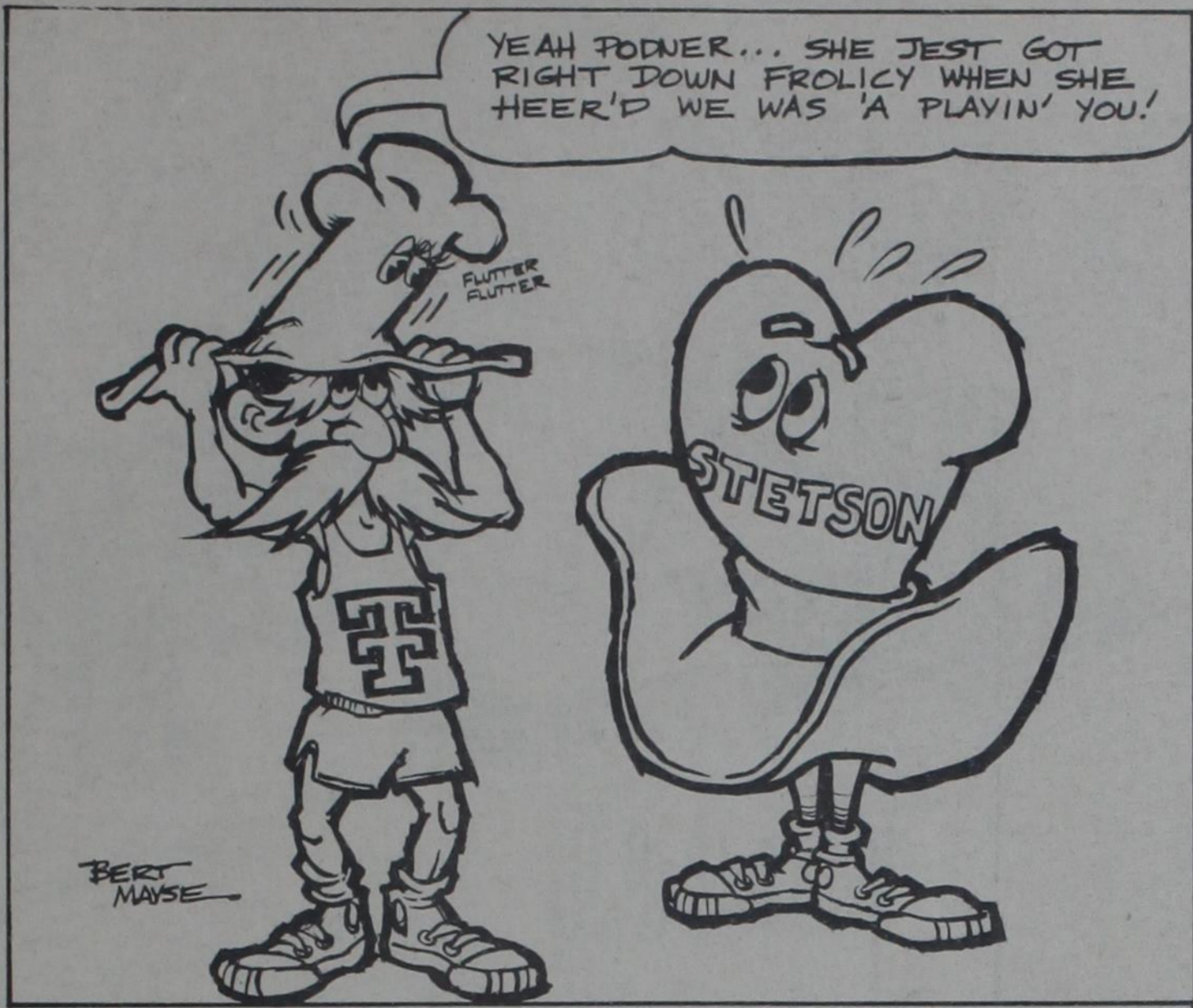
The main problem facing the Raider boss is finding depth at different positions. "We haven't been able to play everyone as much as we'd have liked to," Myers said, "and the problem of depth really concerns us now." He said he was particularly worried about back-ups for the front line.

The meeting between Tech and Stetson will be the first ever for the teams, and Myers isn't taking them lightly. "It's the teams like Stetson, which you haven't heard much about, that will come up with a good basketball team and give you a good game," he said. "We'll have to be both mentally and physically ready for the game."

Tech is in good shape injury-wise. The only casualty so far is junior James Derkowski, who is to undergo knee surgery sometime over the Christmas holidays.

The Raiders are moving into a tough part of the season schedule. Following the Stetson game, Tech will be on the road against such teams as Houston, New Mexico and South Carolina. Myers called this year's schedule tougher than last year's.

The game will be preceded by a 5:15 p.m. clash between the Tech junior varsity and Lubbock Christian College. It will be the first game of the season for George Davidson's charges. The game will be aired over KTXU-FM.



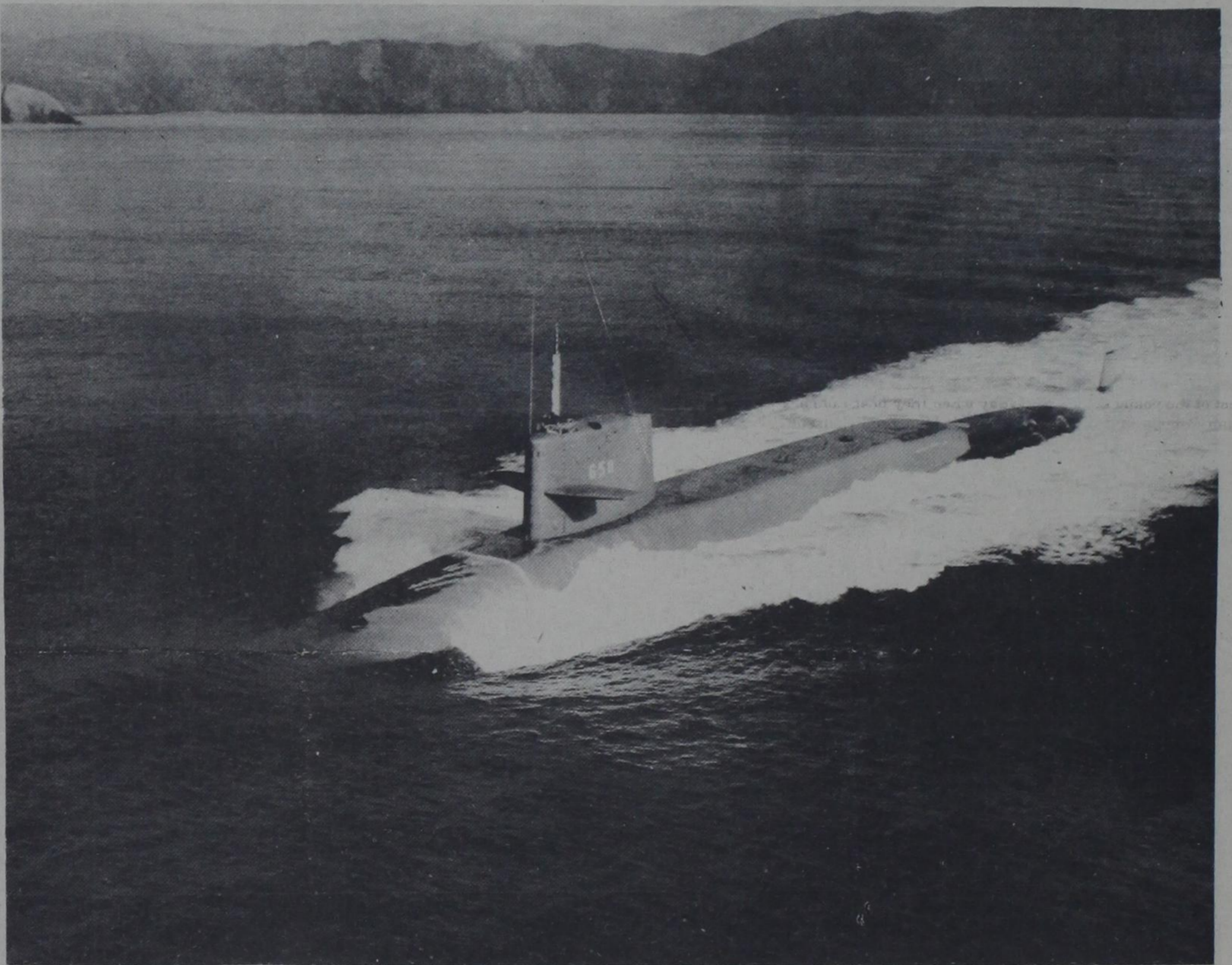
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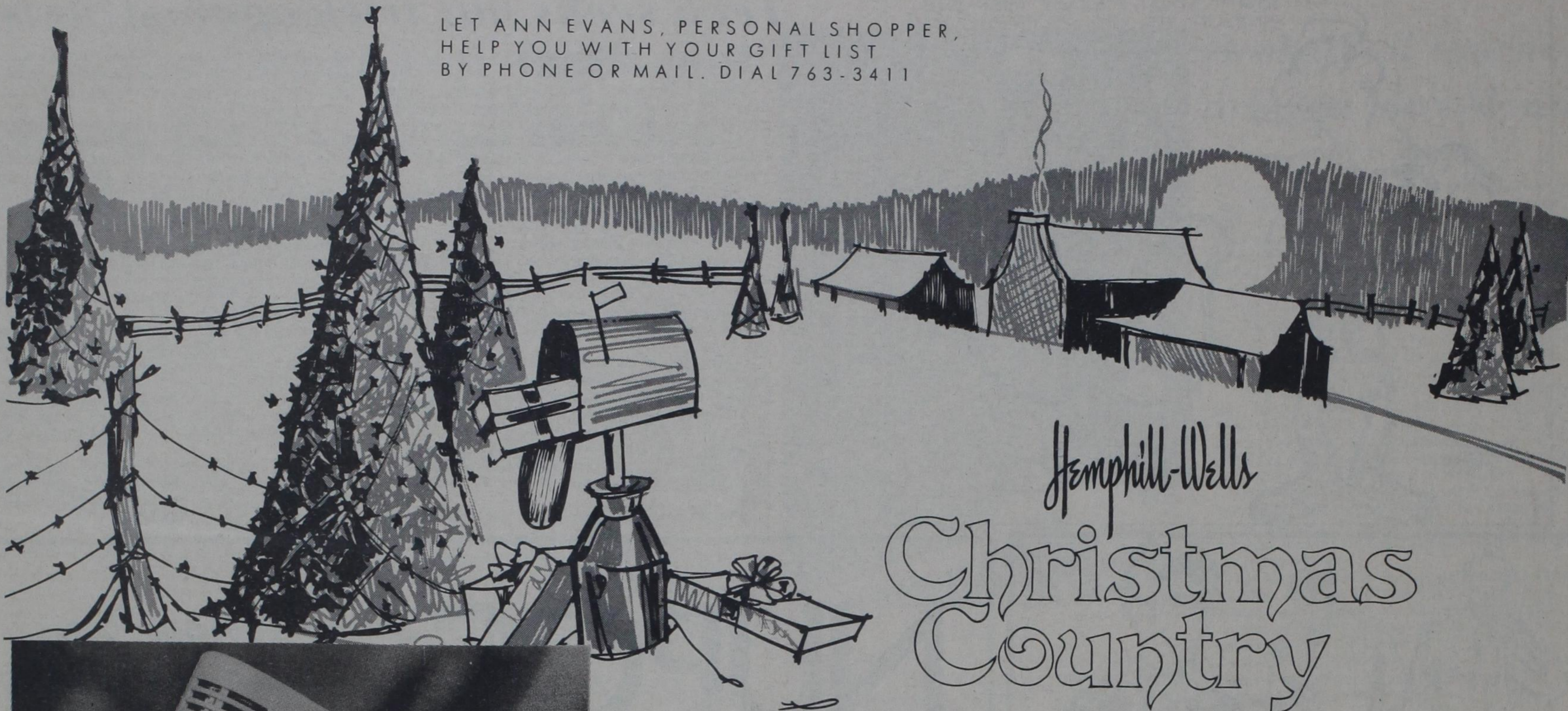
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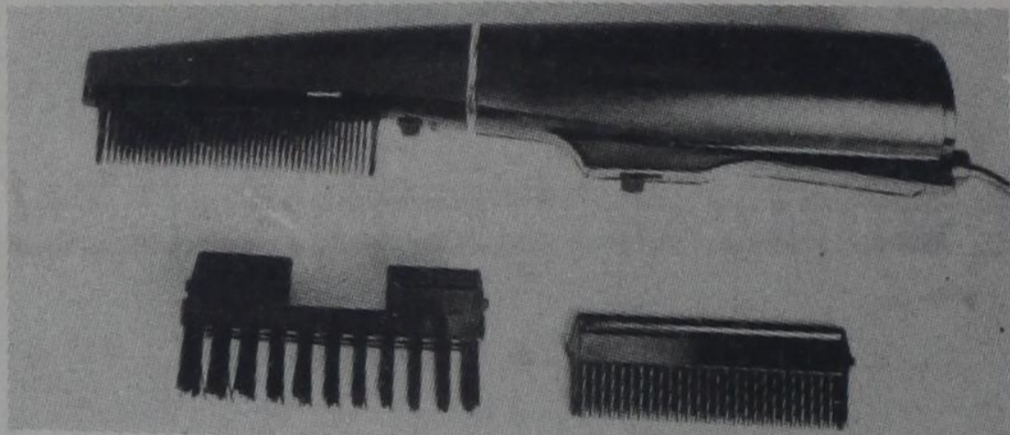
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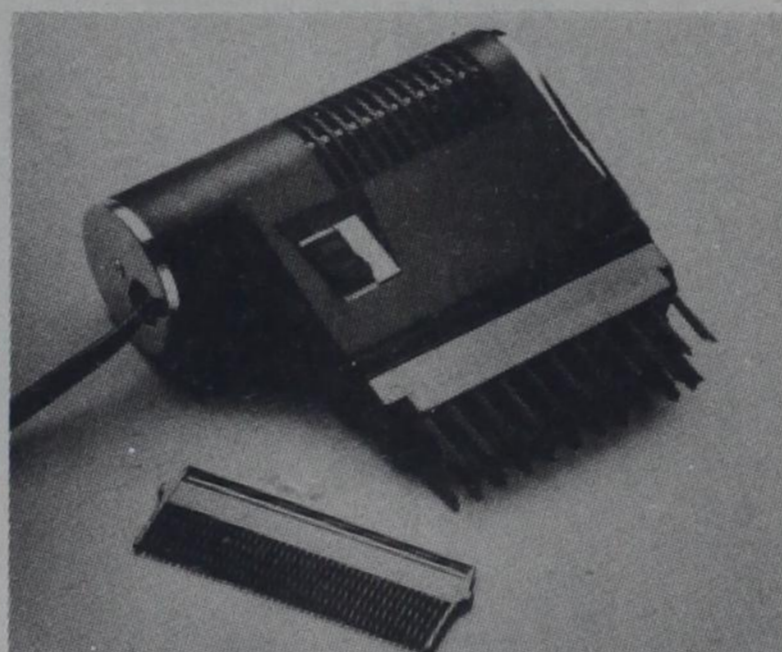
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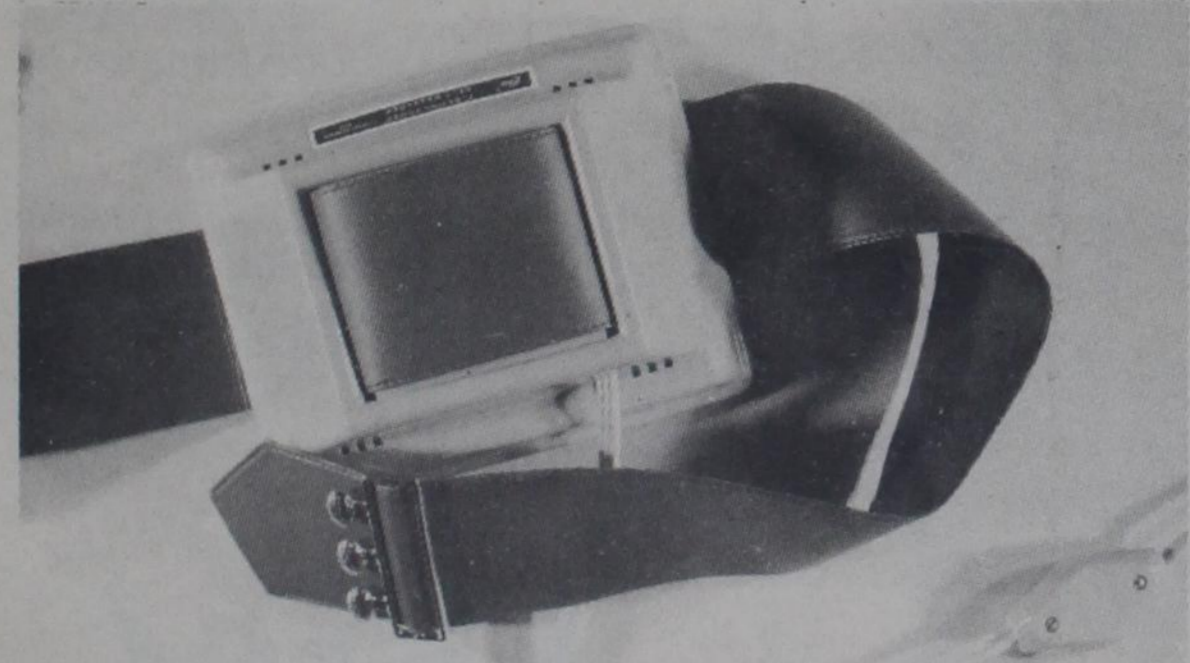
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