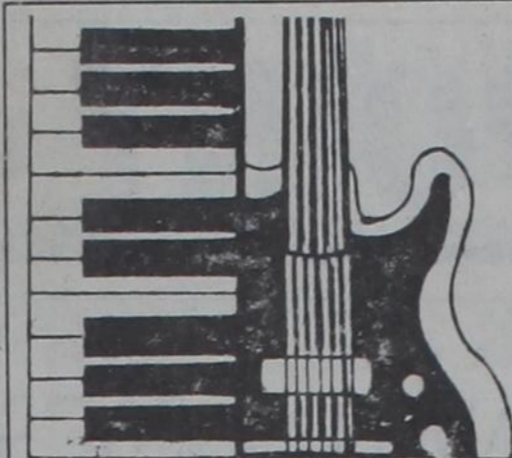




Studying life

Tech researchers look at embryos

See page 4



Music, music

Nelsons, Joe Ely to play Hub

See page 5



Longhorns

UT works on reforms to lessen probation

See page 6

THE UNIVERSITY DAILY

Thursday, August 6, 1987

Texas Tech University

Vol. 62, No. 157

6 pages

Contra proposal meets Capitol Hill opposition

By The Associated Press

WASHINGTON — President Reagan, in a plan he said has been worked out with congressional leaders, said Wednesday he will hold off on seeking further military aid for Contra rebels if Nicaragua's government agrees to a cease-fire and democratic reforms.

Reagan appeared briefly before reporters at the White House, after meeting privately with top congressional leaders, to announce a six-point "general agreement" with a Sept. 30 deadline.

House Speaker Jim Wright, D-Texas, said he "earnestly hopes" for the plan's success, but he also said congressional leaders had given no guarantees about future Contra aid if the plan should fail.

"We've give the president no commitment whatsoever," Wright told

reporters. "This is surgically, antiseptically removed" from the issue of military aid for the rebels.

On the positive side, Wright read from a letter from the Nicaraguan ambassador to Washington, Carlos Tunnermann, and called the letter cause for hope that the plan might be acceptable to the Sandinistas as a basis for negotiations.

The letter said there were "several very positive and interesting elements" in the plan, which Wright had sent to the Nicaraguan government. "The document contains elements we can work with and that can be improved," it stated.

Contra political leaders, after meeting with the president, indicated that while they welcomed the proposal and were willing to negotiate a cease-fire, they would likely have reservations on the proposal.

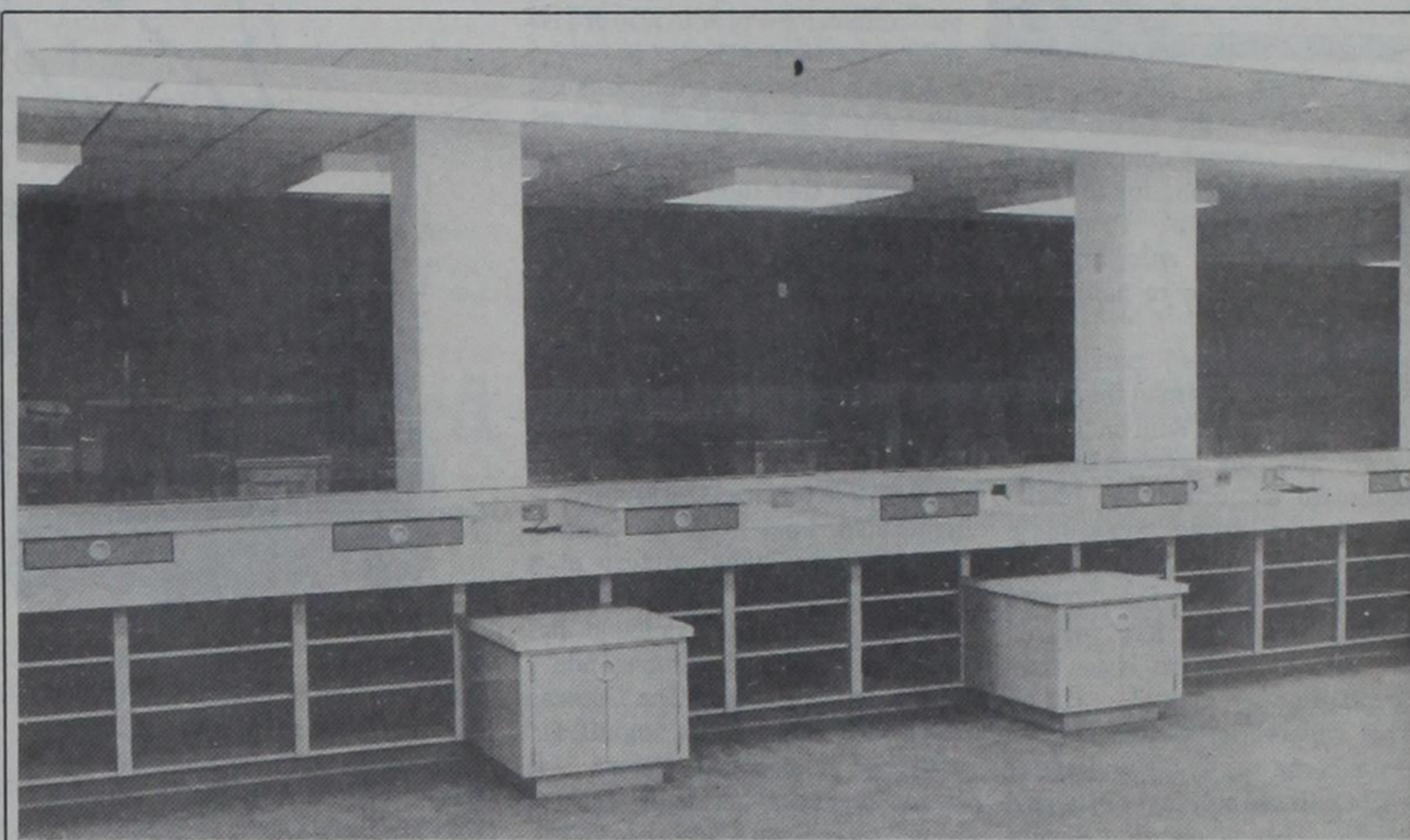
Another Democratic leader who met with Reagan Wednesday morn-

ing, Senate Majority Leader Robert Byrd, told reporters that Democrats in Congress "support the effort but not the document" released by the White House.

Among problems, he said, is the Sept. 30 deadline that he termed "unrealistic" for completing negotiations on the various military and political issues outlined.

And Senate Republican Leader Bob Dole said that the plan had enraged some conservative senators, who contend the timing would slow the Contras' military momentum. Dole and Sen. Malcolm Wallop, R-Wyo., led a delegation of conservatives to the White House to express their reservations.

Once the cease-fire was in place, the United States immediately would suspend Contra aid in return for Nicaragua's lifting its state of emergency and restoring civil rights and liberties.



Rodney Markham/The University Daily

A new look

Remodeling of bursar's office to offer better student service

By CINDY PANDOLFO
News Staff Writer

Texas Tech students returning in the fall will find the headache of paying tuition a bit more of a pleasant task in the newly remodeled bursar's office, which will open Monday.

The office was opened to more than 200 visitors Wednesday during an open house.

Bursar Robert Hall said the office was remodeled with the intention of simplifying the payment of tuition.

"We don't want students to wait in line any longer than is necessary or to come to our office if they don't need to," he said. "The bursar's office is here as a service department to make paying fees as easy and

pleasant as possible. When we aren't serving students in the best way possible, we want to know about it."

The office has been designed with sound-dampening wall and floor coverings and improved air conditioning. Hall said separate points for entry and exit will make it easier to accommodate large numbers of students in a shorter time. The flow set-up of the office also is designed to move students more quickly.

Couches, chairs and a television set will be installed in the office to make students more comfortable while waiting in line.

Services at the bursar's office also will be expanded. During periods of high traffic, employees

will prescreen students. If a student has a check made out, workers will take the check and the student can leave without waiting for the money to be posted to the student's account.

Only students paying with cash or those who have problems with their tuition will have to wait.

Students who need only to pick up financial aid checks will be allowed to go to the front of the line rather than having to wait while other students resolve problems with tuition statements and payments.

The bursar's office will begin operating from 7 a.m. to 5 p.m. Monday for the remainder of the summer. On Aug. 23, the fall operation schedule of 8:30 a.m. to 4 p.m. will begin.

In response to opinion

Tech cancels all biblical classes

By CINDY PANDOLFO
News Staff Writer

Texas Tech University canceled all classes offered in the biblical literature department Tuesday in response to a revised opinion released by Texas Attorney General Jim Mattox's office on May 28.

According to the 12-page opinion, "the Establishment Clause of the First Amendment to the United States Constitution prohibits a state college or university from appointing individuals to a faculty position when the individuals are nominated or salaried by a religious organization. A religious organization cannot participate in the running of state affairs."

The attorney general's office reviewed the 1985 opinion at the request of University of Texas officials, who questioned the constitutionality of offering Bible or biblical literature classes at state-supported universities.

In the opinion, Mattox said state colleges and universities may grant elective credit for religion courses affiliated with or supervised by religious organizations "when those courses follow certain constitutional guidelines."

The attorney general established three conditions which biblical literature classes must fulfill to avoid legal problems. The course must be secular, must not primarily advance religion and must not involve "excessive entanglement" between government and religion.

The University of Texas system announced last week that it would cancel "Bible chair" religion courses to avoid church and state feuds. However, Mattox said Wednesday that the UT system did not need to cancel the courses as a result of the legal opinion.

Although Mattox said his office has offered to work with schools to help them meet constitutional rules so out-

side religious study programs can continue, Pat Campbell, legal counsel for Tech, advised university officials to cancel religion classes at Tech. According to Campbell's interpretation, the decision prohibits the university from offering credit for Bible classes.

However, in his clarification, Mattox said his office may not "state as a matter of law that a state college or university cannot constitutionally grant elective credit for religious studies courses offered by religious organizations."

Campbell was not available for comment Wednesday. John Tyson, chairman of the biblical literature department, said he was disappointed but not surprised by the decision.

"Obviously the decision was a disappointment, but it was not a surprise," he said. "The administration has been good to communicate with us and to keep us informed on what was going on. He said Tech officials made a safe decision to avoid legal problems but that students will be the real losers."

"The department provided a good service for the university because Tech has no related department," Tyson said. "The university is losing a service to students that won't be easy or feasible to replace."

Although the classes can be offered on a non-credit basis, Tyson said he does not expect the department to consider that option. He said students probably would not enroll in classes for which they cannot receive credit.

Otto Nelson, associate dean of the College of Arts and Sciences, said 65 students are enrolled in Bible or biblical literature classes for the 1987 fall semester. Students enrolled in those classes will be notified of the cancellation by mail and will be allowed to register for another class without being assessed add/drop fees.

County slates Saturday tax election

By JAY MILLER
News Staff Writer

Lubbock County voters will have the opportunity to decide whether to adopt an optional county sales tax of one-half percent during a county-wide referendum election Saturday.

The measure, if adopted, will result in the lowering of the county property tax rate by one-half percent. The trade-off between the two taxes was mandated by the Texas Legislature, said Lubbock County Judge Rod Shaw.

The legislation, which allowed Texas counties to increase the sales

tax in exchange for lowering the ad valorem tax, was approved by the Legislature in the second special session of 1986. Since that time, 28 of the state's 254 counties have approved the measure.

Among the arguments expressed by proponents, Shaw said, is that those who spend the most in county businesses will bear most of the tax burden. Also, Shaw said, a portion of the money spent locally by outside persons or businesses will begin to be used to assist the county. Another benefit of the measure, he said, is that the ad valorem tax is paid in a lump sum, while the sales tax would be

spread across purchases throughout the year.

Shaw said opponents of the measure fear the sales tax will be an inconsistent source of revenue for the county, fluctuating with the economy. Another argument against the measure, he said, is that the sales tax is not deductible like the ad valorem tax.

Voters in both Texas Tech precincts, 49 and 50, will be voting in the University Center. Polls will be open from 7 a.m. to 7 p.m. Saturday.

Voters in areas outside the campus can call the Lubbock County Clerk's office at 741-8058 for poll locations.

Construction continues on McDonald's facility



Under construction

Rodney Markham/The University Daily

By MICHELLE BLEIBERG
News Staff Writer

Families of seriously ill children receiving medical treatment in Lubbock soon will have a place to stay while in town thanks to the combined efforts of Lubbock citizens and organizations that contributed to the building of the Ronald McDonald House.

The house, a \$900,000 project, will provide a home away from home for families of critically ill children who come to Lubbock for treatment or who are hospitalized for long periods of time.

Cathy Morton, a representative of the Junior League of Lubbock, said the families of the ill children suffer from significant stress and that the house, staffed mainly by volunteers, will offer support for the families.

The 14,000-square-foot house, located on the corner of Indiana Avenue and the Tech Freeway, is expected to be completed by the end of 1987. It will have nine guest rooms

with private baths, and families will share a living and dining area, kitchen, playroom and playground. A private apartment also will be provided for a full-time paid resident manager.

The Lubbock house is owned and operated by Family House Inc. The board of directors of Family House Inc. includes doctors, administrators of local hospitals and representatives of the Junior League of Lubbock — initiators of the project.

The house sits on land owned by Texas Tech and was leased in 1983 for 49 years to Family House Inc. by the Tech Board of Regents for \$10. Morton said it is an ideal place for the house because of its proximity to Lubbock General Hospital, Methodist Hospital and St. Mary of the Plains hospital.

Research and planning for the house began in 1982 by the community research committee of the Junior League of Lubbock, Morton said. Since then \$25,000 has been received from the local McDonald's franchises

and \$25,000 from the National Network of Ronald McDonald Houses.

"McDonald's is a large sponsor and helps way beyond their initial commitment," she said. "They keep on giving."

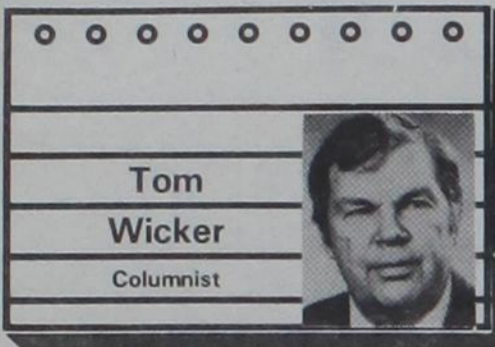
In addition to the money raised by other organizations, the Junior League raised \$125,000 and set up an endowment fund beginning with \$96,000 for the ongoing operation and maintenance of the house.

Morton said each family will be asked to pay \$10 for each night they stay and will have to cook their own meals. The price for their stay, she said, is considerably lower than the cost of staying in a motel and paying for meals. She said the house will be stocked with staple foods, mostly from donations.

Morton said the house is expected to be full at all times and that an addition to the house probably will have to be made.

VIEWPOINT

Support for aid to Contras not tilted by North



Tom Wicker
Columnist

NEW YORK — Has Lt. Col. Oliver North — the Great Communicator — swung Congress and the country behind aid for the Contras in Nicaragua? President Reagan may be counting his chickens before they're hatched if he thinks so.

North's dewy-eyed patriotism, his Red-haunted alarm at the ersatz prospect of a Berlin Wall on the Rio Grande and his pretensions to geopolitical authority undoubtedly did convert some previously dubious Americans. Certainly, his and Rear Adm. John Poindexter's televised testimony has focused more attention on the issue than ever before.

That support for Contra aid has risen is borne out by the findings of the White House poll-taker, Richard Wirthlin. They show that before North's stardom the public was opposed by 60 to 40 percent to sending taxpayers' money to the Contras; after the colonel's week on the screen, that shifted to 48 for and 46 against, Wirthlin said on "Meet the Press."

A New York Times-CBS poll found a much less significant

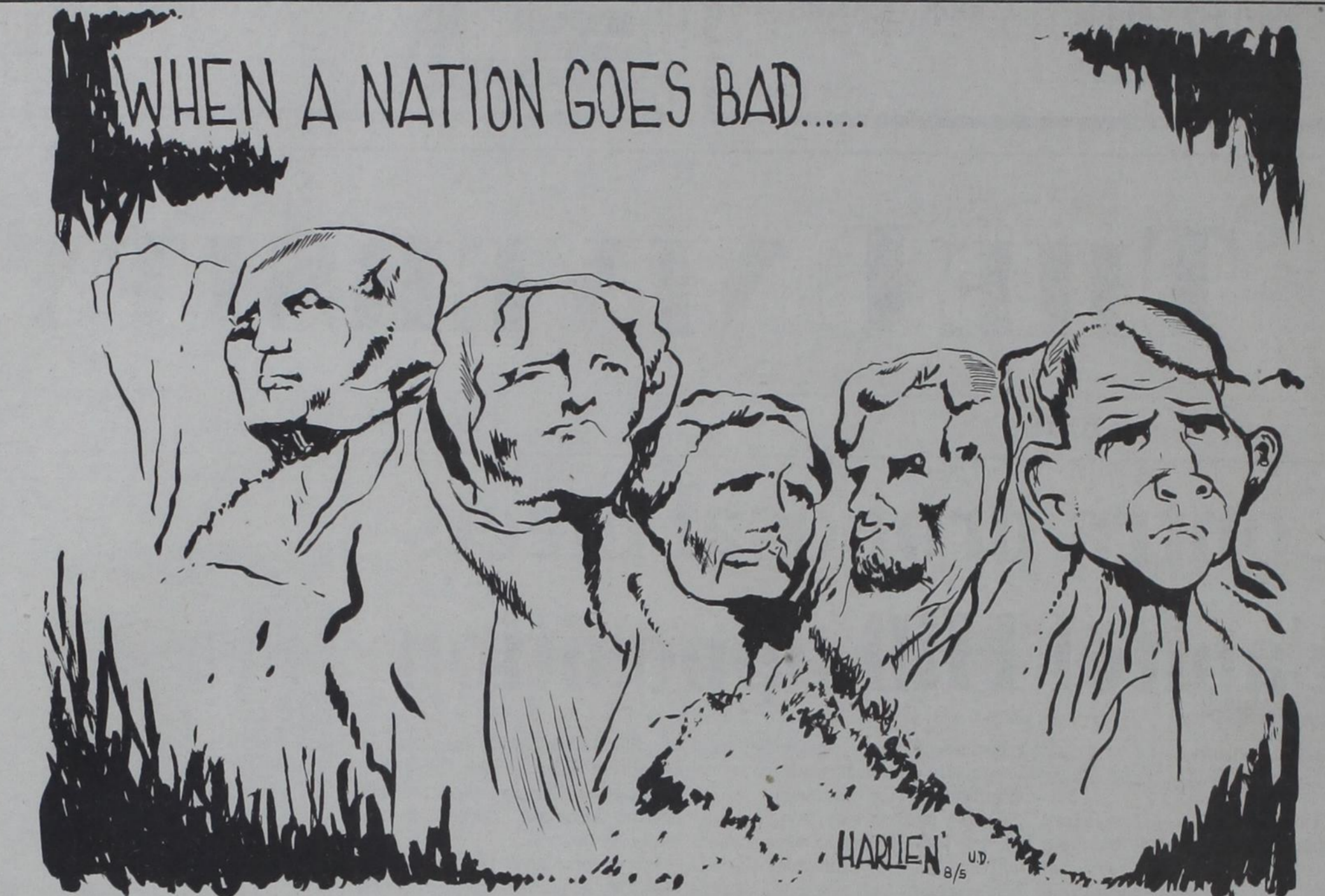
change, but the White House is entitled to go by its own figures — which so emboldened Reagan that he claimed in his last radio speech that the "American people want that aid to continue." White House officials are pondering, in fact, whether to boost their request from \$100 million for a year to \$130 or \$140 million for 18 months.

North's television triumph is not the only reason for this new optimism. Administration spokesmen also claim that their case is being bolstered by new Contra military gains. But those claims, more than Wirthlin's figures, deserve a large grain of salt.

In the spring, the Contras were widely pictured as moving heavily from their sanctuaries in Honduras into Nicaragua; further reporting showed this to have been greatly exaggerated. Last week the Contras proclaimed a signal victory at a hamlet called San Jose de Bocay; this week U.S. reporters found that this, too, was mostly propaganda.

The fact remains: The Contras have never scored a significant military or political victory and have never taken and held a town of any size. Even North testified, moreover, that the Contras could not survive without U.S. funds. That is testimony to their essential weakness where it counts — among the Nicaraguan people.

As for North's undoubted personal impact, the history of such instant stardom suggests that it is altogether likely to fade — not,



perhaps, the colonel's personal notoriety but whatever influence his testimony may have had upon substantive public opinion. The further his attractive image recedes into time, the less it is likely to affect the sober judgment of voters and particularly of members of Congress.

North's credibility — flimsy at best — is continually being eroded. Both of his superiors, Poindexter and Robert McFarlane, have contradicted important points of his testimony. Newsweek has disclosed

that North himself was its unnamed source for important information about the Achille Lauro affair — "leaks" the colonel publicly had blamed on Congress. The Washington Post has reported that Reagan's speech last Nov. 13 on the Iran arms affair — one of the more mendacious any president has made on any subject — was "in large measure the work of Lt. Col. Oliver North, who wrote the original draft."

It's perhaps equally important that the man who will have to carry

the congressional fight for aid to the Contras — Ronald Reagan — has been politically weakened, successively, by the Iceland summit meeting, the loss of the Senate, the Iran-Contra affair, his consequent loss of credibility and the growing public understanding that his White House "management style" is composed of about equal parts of indifference, ignorance and sloth.

Events between now and a vote on Contra aid next fall — for instance, a setback in Reagan's ill-conceived Persian Gulf policy —

could further diminish the president's political clout. Add all that to his constitutional inability to run again, and the hard fact is that Reagan doesn't scare anybody anymore.

Communism, of course, does. And the cry of "Communism in the Western Hemisphere," as we have seen too often, can make stalwart congressmen quake.

Wicker is a syndicated columnist for the New York Times News Service.

Letters

Status quo stinks

To the editor:

I enjoyed your editorial of July 21 in The University Daily. However, in a system where education is often regarded as a profitable business, some sort of cheating, by the teachers and the students alike, is likely to occur. Students in general do not care what and how much they learn. They merely want a degree. Many professors accept university positions to avoid 8 a.m. to 5 p.m. jobs and to en-

joy long semester breaks and vacations. And a remarkable number of teachers seem to dislike teaching. Research here, in general, is narrow and shallow. Believe me, teaching is no longer important. I was repeatedly told that one should teach in a manner so that the students do not complain. So now we have failed to maintain uniformity in the system.

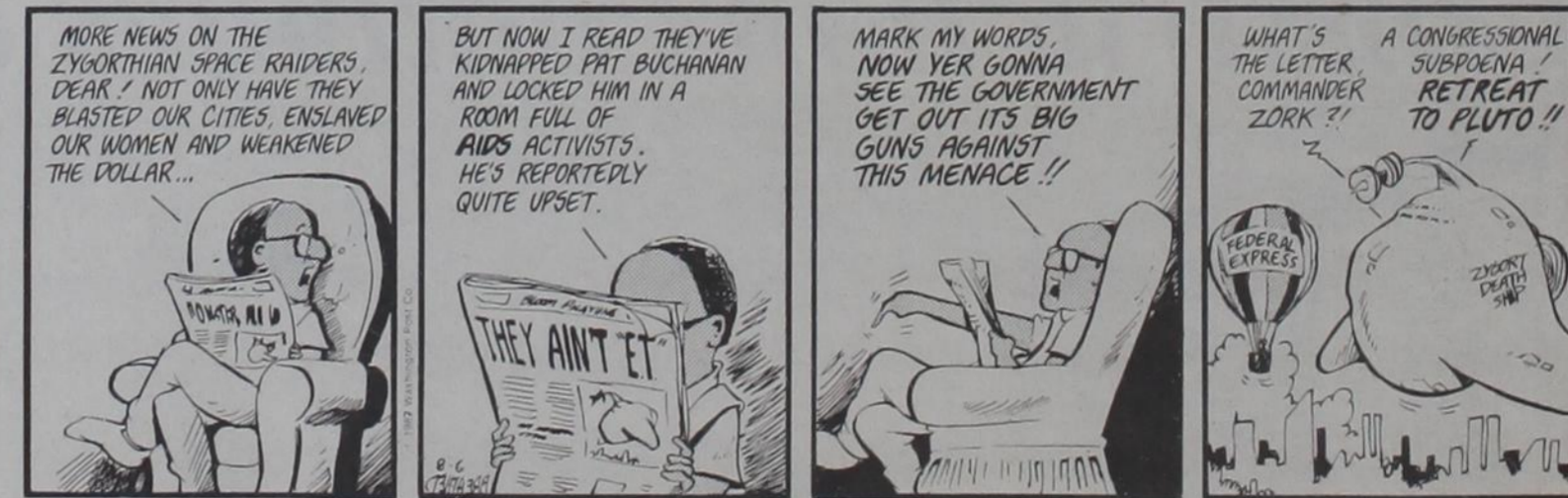
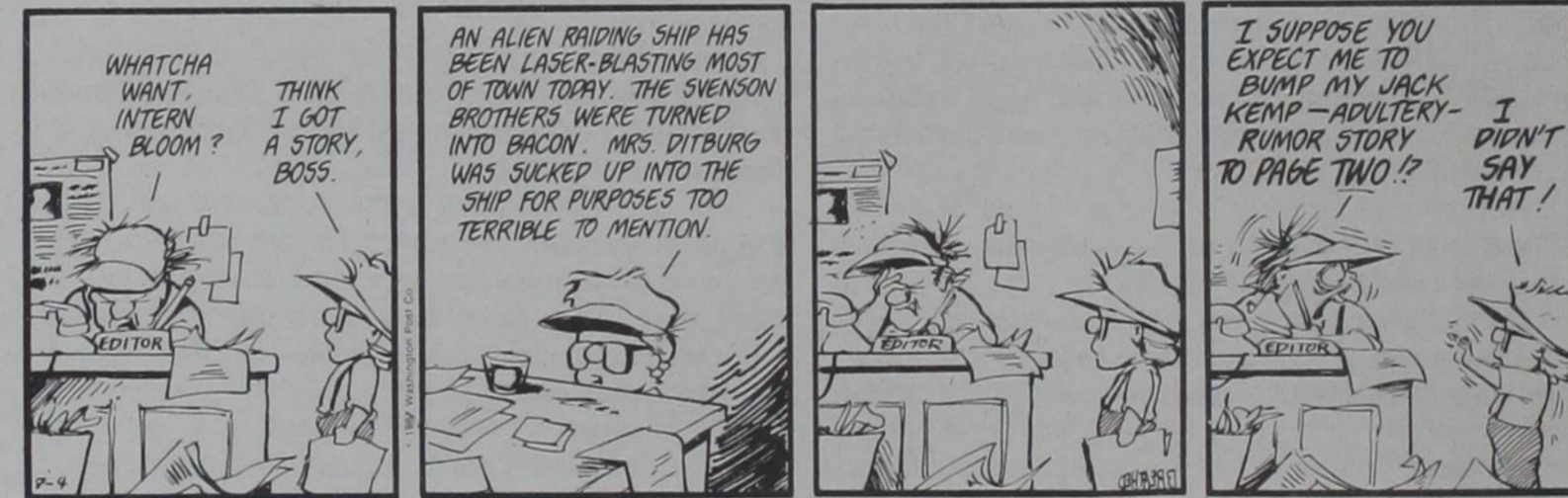
I agree with you. I have been teaching at Tech for the last 20 years. I have seen enough cheating among professors and students. I guess I

may fall in the better category you mentioned. I prepare thoroughly and am fluent and broad. I don't believe in following notes or textbooks mechanically. I even try to communicate the very new and fascinating ideas I myself learn from various sources. I do not repeat a test. I have worked in many areas of research and produced a number of noteworthy papers. But who cares? I am still an associate professor with an incredibly low salary.

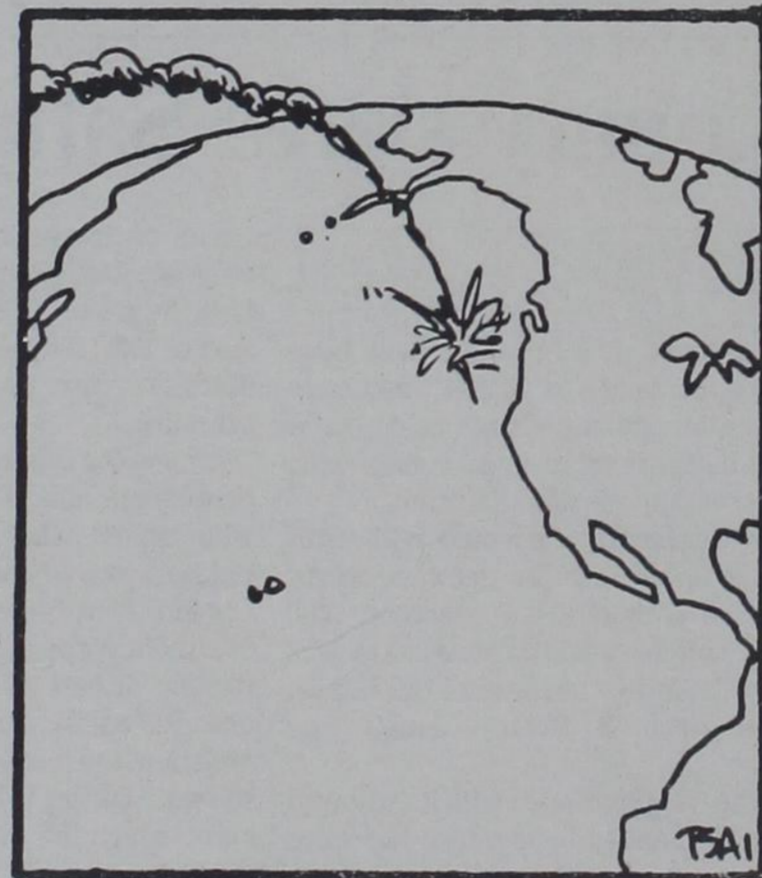
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BLOOM COUNTY

by Berke Breathed



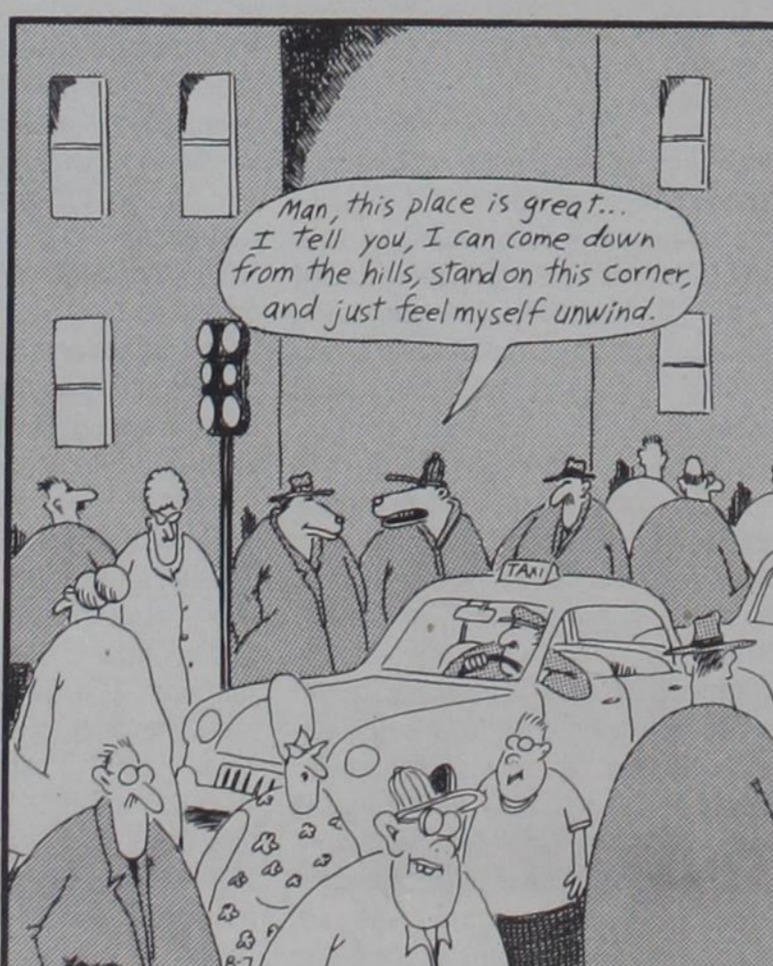
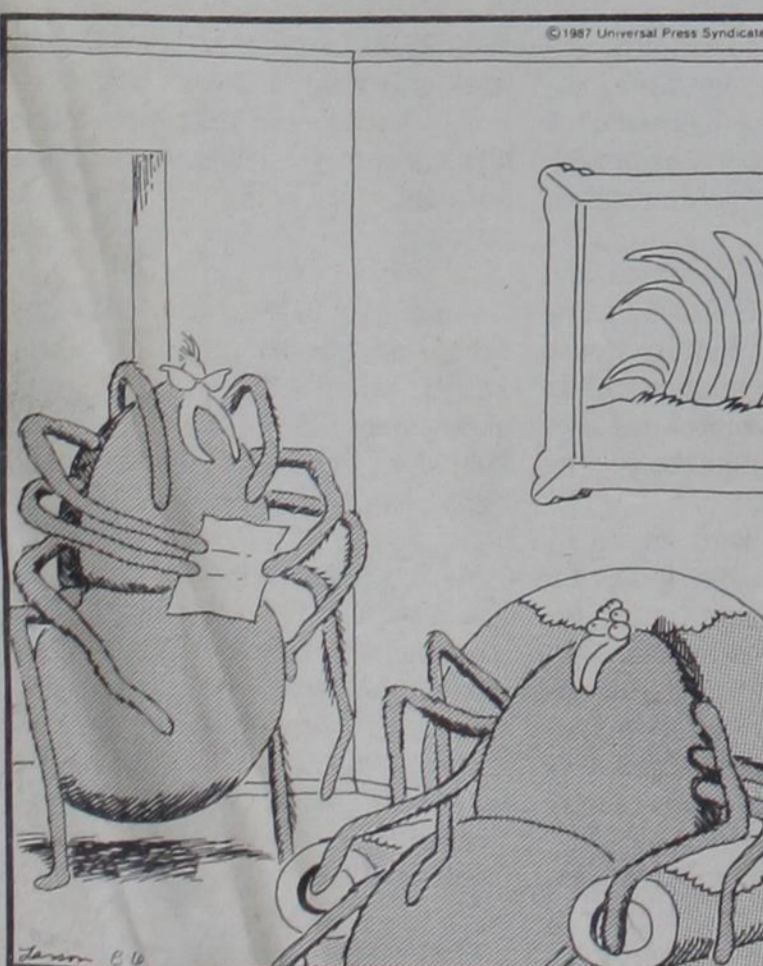
IMAGES



by Francis Tsai

THE FAR SIDE

by Gary Larson



It's a letter from Julio in America... His banana bunch arrived safely and he's living in the back room of some grocery store.

How bears relax

The University Daily

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LETTERS POLICY

Letters to the editor of The University Daily are welcome. All letters must be TYPED, double-spaced and must include the writer's name, address and telephone number. All letters must be signed. Unsigned letters will not be published. A letter writer's name may be withheld from publication upon request and with a valid reason. Letters shorter than two double-spaced, typewritten pages will be given preference.
The editor reserves the right to edit letters for libel, taste, obscenity and space limitations. Letters will be edited for spelling, grammar and punctuation.

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Pentagon security guard kills armed man

By The Associated Press

WASHINGTON — A gunman was shot and killed Wednesday when he charged past Pentagon guards and ran toward the heavily secured National Military Command Center used by the Joint Chiefs of Staff.

The FBI identified him as Dwain Wallace, 30, of Youngstown, Ohio.

Pentagon sources who requested anonymity said Wallace told the guards he "wanted to talk to somebody about missiles" before he bolted past the security checkpoint.

In Youngstown, friends and neighbors recalled Wallace as having seemed friendly and happy in high school, where he was on the student council, but said he recently had been under psychiatric care.

"He never gave us a minute of trouble until he got 19 years old and we sent him to Dayton University," said Wallace's mother, Doris. "And that's when he started having mental pro-

blems. That's when we found out he had a chemical imbalance. After that he's been in and out of the hospital."

The shooting occurred one floor below and directly beneath the offices of Defense Secretary Caspar Weinberger, who was meeting with Secretary of State George Shultz and Lt. Gen. Colin Powell, chief deputy to White House National Security Adviser Frank Carlucci, said Col. Marvin Braman, a Pentagon spokesman.

Braman said Weinberger, Shultz and Powell heard the shots. Pentagon officials said there was no evidence the gunman was trying to reach Weinberger.

The FBI identified him as Dwain Wallace, 30, of Youngstown, Ohio.

William Caldwell, another Pentagon spokesman, and Susanne Murphy, a spokeswoman for the General Services Administration, said Wallace was shot and mortally wounded about 30 feet inside the building's River Entrance, at the mouth of a corridor leading to the Na-

tional Command Center.

Two shots were fired by one of the guards after Wallace bolted past the security checkpoint and failed to heed orders to halt, spokesmen said, and one of the bullets struck the man.

A spokeswoman at the National Orthopedic Hospital in nearby Arlington, Va., where Wallace was taken, said the man died less than two hours after the 8:05 a.m. EDT incident.

"He was admitted to the hospital at 8:45 a.m. in full trauma arrest with a gunshot wound to the back," said spokeswoman Beth Ellington.

She said paramedics were performing cardiopulmonary resuscitation when Wallace was brought in and doctors took over emergency treatment "for a single bullet wound through the back which hit the heart."

Wallace, who was "bleeding excessively," was pronounced dead at 9:56 a.m., she said.

The River Entrance is one of three main entrances to the Pentagon

building and is the site for welcoming ceremonies for visiting dignitaries. The steps to the entrance overlook the Potomac River and the city of Washington. The entrance is normally staffed by two security guards who check for building passes and who operate X-ray and metal-detector machines.

Although Caldwell said it was unclear how many people were in the area at the time, the River Entrance is normally quite busy at that hour of the morning.

The General Services Administration, which maintains the Pentagon Building and provides Federal Protective Service guards for security, declined to identify the guard who shot Wallace.

Murphy said Wallace was stopped by one of the guards and was asked for identification.

Caldwell said he understood Wallace had first brandished the handgun when he was asked for identification.

Number of teacher appraisals reduced

By The Associated Press

AUSTIN — A bill that will reduce the number of performance appraisals for many Texas teachers was signed into law Wednesday by Gov. Bill Clements.

Teachers on higher levels of the career ladder who have been evaluated as "satisfactory" will be appraised only once a year.

Probationary teachers and those on level one of the career ladder will be appraised twice.

Clements said the law will allow teachers "to do what they do best — teach our children. It benefits principals and administrators by reducing paperwork and unties the hands of

our local school officials."

The governor signed another bill that authorizes the videotaping under certain circumstances of child victims of assault and sexual abuse. The old law was struck down by the Texas Court of Criminal Appeals.

The bill also allows a court to require a person who has been indicted for sexual assault to be tested for AIDS, acquired immunity deficiency syndrome.

Clements signed a total of 24 bills Wednesday, all of which were passed during the recently concluded special legislative session. A few more — plus the 1988-89 state budget — still await his signature or veto.

The governor's executive assistant, George Bayoud, said Clements should

finish his review of the \$38.3 billion state budget today.

In handling that bill, the governor has authority to veto individual appropriations made by the Legislature, and aides said they expect him to do so.

Also Wednesday, Clements signed a bill that allows highly qualified out-of-state students to pay in-state tuition rates for certain graduate programs at state universities. Clements vetoed the measure after the regular session but later said that was the result of a misunderstanding.

The governor also signed into law a bill allowing some cities and counties to issue bonds to build jails.

Iranians say sub launched in gulf strait

By The Associated Press

MANAMA, Bahrain — Iran said it launched its first submarine Wednesday and would practice locking missiles on targets in the Strait of Hormuz, where commercial shipping traffic has fallen sharply.

Three Kuwaiti tankers due to be escorted by U.S. warships through the strait into the Persian Gulf have arrived in the Arabian Sea, Pentagon sources in Washington said.

None of the three will move into the gulf today, as originally planned, but at least some are likely to steam into the waterway for Kuwait next week, the sources added.

Meanwhile, the French aircraft carrier Clemenceau and two other French warships passed through the Suez Canal into the Red Sea, apparently bound for the Persian Gulf region, where the nearly 7-year-old Iran-Iraq war has spilled over to attacks on commercial vessels.

Tehran radio said Iranian naval maneuvers in the Strait of Hormuz entered their second day, displaying "the power and greatness of Islam against world arrogance, in particular against the mischiefs of plotter America."

The broadcast, monitored in Cyprus, said Iran's first submarine, built by the Iranian Revolutionary Guards, was launched Wednesday.

Iranian news media gave no details, but a Western military analyst in London said it appeared to be a small craft that could be used to plant mines on ships.

"It's not the sort of U-boat of the movie theaters, but a little one-man submersible job. It's the sort of thing you would use to attach demolition charges," the analyst, speaking on condition of anonymity.

The submarine report was received with skepticism by gulf shipping sources, who said the waterway was too shallow for such a craft, as well as being dotted with oil rigs and submerged pipelines.

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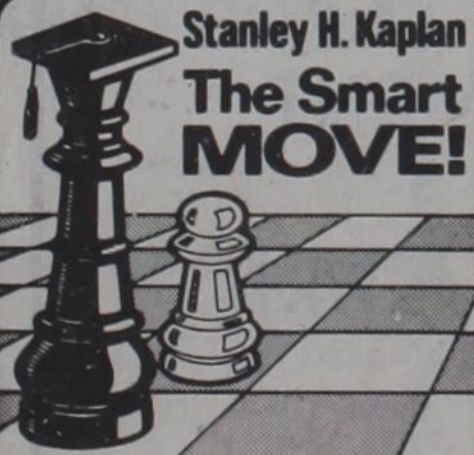
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News Briefs

North appeals appointment of Walsh

WASHINGTON (AP) — Lt. Col. Oliver North, returning to the public eye, went to court Wednesday to press his attack on independent counsel Lawrence Walsh's authority to investigate the Iran-Contra affair.

North, who testified at length last month at the nationally televised congressional Iran-Contra hearings, is a target of Walsh's investigation into the possibility of criminal wrongdoing in the sales of U.S.-made weapons to Iran and the diversion of some proceeds to Nicaraguan rebels.

Defense attorney Barry Simon told a three-judge federal appellate panel that Walsh was operating under an unconstitutional law and an improperly conferred parallel appointment by the Justice Department.

He argued that Walsh's assistants lack legal authority as federal prosecutors and that therefore the independent counsel's grand jury investigation is "tainted."

North, who appeared for Wednesday's two-hour hearing in his Marine uniform, is appealing U.S. District Judge Aubrey Robinson Jr.'s ruling last month that upheld the Justice Department appointment.

Liability evaded in Saragosa aid case

PECOS (AP) — Two truckloads of goods donated for victims of the May 22 tornado at Saragosa are missing, and both the Reeves County Sheriff's Department and leaders of the small farming community say the other should take the responsibility.

The goods were being stored in a warehouse at Pecos, about 20 miles north of Saragosa.

"We don't want to be blamed for it, that we couldn't handle the things that were given us," said assistant disaster coordinator Felipe Lopez.

Lopez said the sheriff's office had taken charge of the church group shipment and five tractor-trailer loads from northeast Louisiana donors, one of which was stored in Pecos after arriving in mid-June.

The sheriff's department is investigating the apparent theft of the items, which were sent by groups in Austin, Texas and Monroe, La., to benefit residents in their recovery from the tornado that killed 30 people and injured 161 others.

Highway violence rises; pilot pulls gun

LOS ANGELES — A law that would imprison highway gunslingers for at least three years was proposed Wednesday as violence spread from the freeways to the sky, where one pilot reported that another one drew a gun on him.

"Maybe next time they can do it in rocket ships," said a spokesman for the Marines Corps, which volunteered the use of a helicopter in an unsuccessful attempt to catch the airborne gunman.

The spate of motorist-to-motorist violence, which started in mid-June, has left four people dead and 15 injured on southern California freeways. Eighteen people have been arrested, although one was released for lack of evidence. More than 40 shootings, rock-throwings and other attacks have been recorded.

OPEN HOUSE

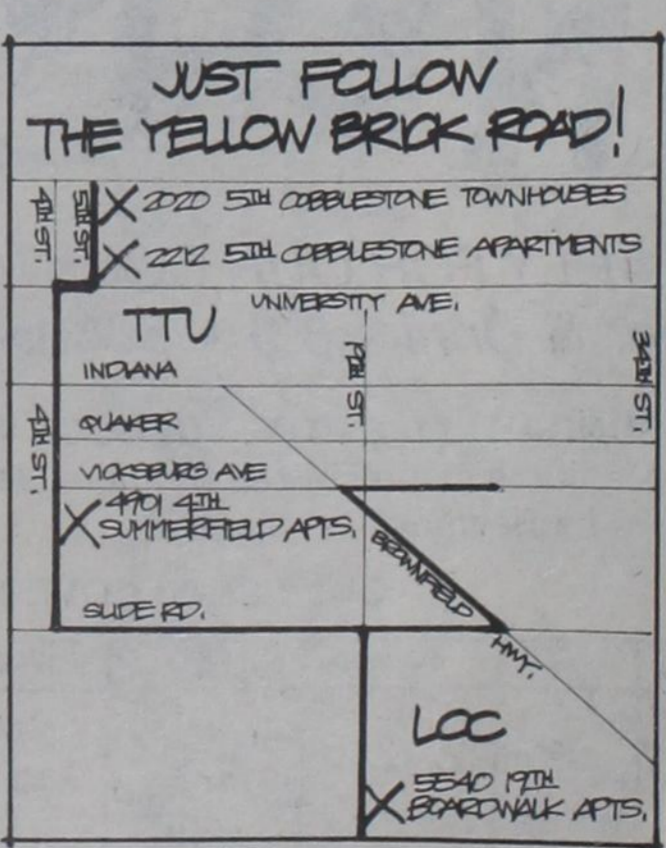
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Embryonic research

Tech lab studies fertility cycles

By CINDY PANDOLFO
News Staff Writer

Viewing life within hours of conception and discovering the unusual messages that are transmitted between embryo and mother are only two of the events occurring in the cell biology and anatomy lab at the Texas Tech University Health Sciences Center (HSC), where researchers are discovering unique characteristics of animal and human fertility.

Though the public often cringes in fear of research, the results are not horror stories, said Harry Weitlauf, chairman of the cell biology and anatomy department. He said work conducted in the lab not only is exciting, but also is beneficial to society.

"Many times when we talk about the research we are doing, people get the idea that we are delving into the unknown and braving new worlds," he said.

"We are failures as people if we can't deal with advances and discoveries in research. We must move ahead."

The fertility research being conducted at the Tech anatomy clinic involves several areas of investigation. Researchers are examining the fertility cycles of different animals to better understand reproduction and to develop methods of manipulating cycles.

Researchers have discovered that some animals mate only at certain times of the year. Others respond to light and will mate only at night. Another group of animals, like humans, seem to possess the capacity to mate anytime, Weitlauf said.

As researchers learn more about the fertility cycles, experiments are conducted to learn how to manipulate cycles. An embryo removed from a pregnant cow at specific times will allow the animal's body to resume its cycle as if a pregnancy has never oc-

"We are failures as people if we can't deal with advances and discoveries in research. We must move ahead."

—Harry Weitlauf

curred. The embryo can be placed in a cow that is not pregnant, and that animal's body will assimilate pregnancy.

Knowledge gained from animal reproduction research could provide insight for better methods of breeding cattle, sheep and other livestock. Working with animal embryos also paves the way for discovering cures for human ailments.

Weitlauf said it is possible to transplant genetic material from the embryo of a cat into a mouse embryo. Instead of being a normal size, the mouse would be the size of a cat. Research in transplanting genetic material opens the door for the possibility of treating children who suffer from malfunctions and syndromes which prevent them from reaching normal size, he said.

"Each discovery chips away at one segment of abnormal embryonic development," he said. "Until recently, we didn't know how the mother's immune system responded to an embryo, which is every bit as foreign as a heart or kidney which we attempt to transplant."

Within hours after conception occurs, the newly formed embryo begins to send messages to the mother. Weitlauf said the mother's

body must begin to prepare for implantation of the embryo if the pregnancy is to continue. For instance, the cardiovascular system prepares to supply oxygen and blood to the uterus for the embryo.

The embryo secretes a protein which carries the message to the mother's body. The protein acts like the endocrine gland or a hormone. The chief effect of the protein is to assist the uterus in preparing for the embryo.

Although the number of pregnancies lost between implantation of the embryo in the uterus and birth has decreased dramatically over the last 30 years, through recent discoveries made in labs, medical professionals now know that as many as half of all conceptions are lost before implantation occurs.

Weitlauf said implantation must occur at exactly the right moment for a pregnancy to be successful. The need for precise synchronization explains the high incidence of abnormal embryonic development and transplants.

Weitlauf said birth control pills interrupt the signal from the brain. The hormone in the medication blocks the message from the embryo. The pituitary gland never sees the message from the body, and the pregnancy never occurs.

The TTUHSC lab is the foremost in research related to signals transmitted between the embryo and the uterus, Weitlauf said.

Learning more about the messages that pass from embryo to mother will be more useful in domestic animals whose embryos are much larger than the human embryo. However, as researchers learn more about those special signals between the embryo and the mother, embryo transplants will be more successful.

In the early days of transplants, the embryo was just plopped into the uterus and everyone hoped for the best, Weitlauf said. Since researchers have discovered the message process that occurs, physicians will be able to maximize the best results.

"Our research findings are no end-all or do-all, but it increases success. We will find out more and more," he said.

Weitlauf said medical researchers discovered estrogen and progesterone in the 1950s. More recent discoveries have been made of what he describes as "fine tuning hormones." The newly discovered hormones, which have no names, help to answer many unexplained incidents.

"Many of the failures of the human reproductive system have been explained by the discovery of these hormones. We just didn't know they were there," he said. "We are unraveling the way the body functions."

Tech is represented in the front line of fertility research. The group of researchers brought to Tech over the last four years in the cell biology and anatomy department and the biochemistry departments represents the largest group of biochemists in that field in the United States, Weitlauf said. The Tech group generates more than \$2 million in research revenue from the federal government each year. He said the group is highly recognized by the National Institute of Health.

Weitlauf, who attended medical school at the University of Washington in Seattle, said the fertility research being conducted at Tech is exciting. He invited inquiries from students interested in biology or animal husbandry to contact him about visiting the lab.

Across the State

EDITOR'S NOTE: Following is one of a continuing series of reports compiled by University Daily staff members covering the top events on college and university campuses in Texas.

A&M solicits funds to buy monastery

TEXAS A&M UNIVERSITY — Texas A&M students and faculty members in the College of Architecture and Environmental Design are interested in persuading former students, friends or businesses to donate money to A&M to buy the La Poggerina monastery in Italy.

Two million dollars in donations are needed to purchase and maintain the facility, which the university currently uses for the study abroad programs.

UT police computerize ticket writing

UNIVERSITY OF TEXAS AT AUSTIN — Parking tickets at the University of Texas will take on a new appearance in the fall. The tickets will be issued on hand-held computers that will be linked to the main-frame computer in the police department.

The computers, which police department officials said will eliminate the problem of illegible tickets, have proven to be more efficient and accurate than the process of hand writing tickets.

Love vies for council seat

By MICHELLE BLEIBERG
News Staff Writer

Student Association President Amy Love said she is a candidate for the president's position on the newly formed Texas Student Government Presidents Council, which is a networking system of student association presidents from around the state.

The new council is a branch of the Texas State Students Association (TSSA), which is made up of all presidents of TSSA member schools. The organization organizes meetings, plans events and fosters cooperative action between student leaders.

"I think the council is viable... it brings schools together along with state support for important issues," Love said.

The main purpose of the council is to unify the campuses and give each student president the chance to learn from presidents and programs at other universities.

"The council definitely has a place,



Amy Love

and Texas Tech University wants to be a part," Love said.

She said it is important that Tech be a part of the council whether the university has a student who is an officer.

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Moment's Notice

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GRADUATES
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SPORTS

UT to hire assistant to solve NCAA woes

By The Associated Press

Council at the University of Texas voted Wednesday to hire a special assistant to make sure the school and Longhorn student-athletes stay in

compliance with NCAA regulations. Hiring of the assistant, who will report directly to the university president, is part of UT's effort to reduce its two-year NCAA football probation from two years to one.

Athletic Director DeLoss Dodds said school president William Cunningham promised the NCAA infractions committee that a person would be hired to handle compliance and serve as financial adviser to Longhorn athletes.

Dodds said he will start interviews soon and hopes to have the new employee working by Sept. 1. The salary will depend on the employee's experience.

"We're looking for someone who knows all the NCAA rules, who understands compliance and all the paperwork involved," Dodds said. "This assistant will have the ability to walk over to the president's office and say, 'You've got a problem.'"

Dodds said the assistant will talk to high school athletes, parents and ex-students to make certain NCAA rules are being followed — in recruiting as well as after the athlete enrolls.

Council chairman Tom Morgan said the council wants to head off

violations before athletes "even come close to violations."

Dodds said the new assistant also will prepare the compliance review required by the NCAA every five years.

If UT fulfills 13 remedial steps ordered by Cunningham to the satisfaction of the National Collegiate Athletic Association, the NCAA will reduce UT's football probation to one year.

UT football coach David McWilliams said he will welcome such an addition to the staff.

"If nothing else, it'll give me a person to go talk to," McWilliams said. "Hopefully, it'll prevent it (abuses that led to probation) from happening again."

In other action Wednesday, the council voted 9 percent bonuses for baseball and track coaches as a reward for high finishes in NCAA championships. The baseball team finished third in the College World Series, and the Longhorn track team was second in the NCAA.

MAJOR LEAGUE BASEBALL STANDINGS

AMERICAN LEAGUE

EASTERN DIVISION				
	W	L	Pct.	GB
New York	64	43	.598	—
Toronto	63	43	.594	½
Detroit	59	44	.573	3
Milwaukee	53	51	.510	9½
Boston	50	56	.472	13½
Baltimore	48	58	.453	15½
Cleveland	39	67	.368	24½
WESTERN DIVISION				
Oakland	56	51	.523	—
Minnesota	57	52	.523	—
California	56	52	.519	½
Kansas City	53	53	.500	2½
Seattle	51	56	.477	5
TEXAS	50	55	.476	5
Chicago	43	61	.413	11½

NATIONAL LEAGUE

EASTERN DIVISION				
	W	L	Pct.	GB
St. Louis	65	40	.619	—
New York	60	46	.566	5½
Montreal	59	46	.562	6
Chicago	55	51	.519	10½
Philadelphia	53	52	.505	12
Pittsburgh	46	60	.434	19½
WESTERN DIVISION				
Cincinnati	57	50	.533	—
HOUSTON	53	53	.500	3½
S. Francisco	53	54	.495	4
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Atlanta	47	58	.448	9
San Diego	39	67	.368	17½

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Two sign intent to run for Tech

Texas Tech women's track coach Jarvis Scott announced Tuesday the signing of a sprinter and hurdler to letters of intent for the 1987-88 academic year.

Signing with the Red Raiders were Marchelle Dixon, a sprinter from Plano East High School, and Rebecca Melber, a hurdler from Tom C. Clark High School in San Antonio.

Dixon's best marks in high school were 12.01 in the 100-meter dash, 25.6 in the 200-meter dash and 58.3 in the 400-meter dash.

The most recent signings raise to four the number of track athletes who have indicated they plan to compete for Tech during the upcoming year.

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