

# TCU DAILY SKIFF

FRIDAY, APRIL 11, 1980

## Carter determined to enforce boycott

WASHINGTON (AP)—President Carter said Thursday he is prepared to take legal action if necessary to prevent American athletes from participating in the Moscow Olympics this summer.

Carter had previously told American athletes the United States would not send a team, but he made clear in a speech prepared for delivery to newspaper editors today that he would enforce his plan for a boycott even if the U.S. Olympic Committee refuses to go along.

The administration could revoke the passports of American Olympians or stamp them invalid for travel to the Soviet Union.

Carter did not specify what he would do, but he told the annual convention of the American Society of Newspaper Editors meeting in Washington: "If legal actions are necessary to enforce the decision not to send a team to Moscow, I will take them."

The president compared the Moscow Olympics with the 1936 Games in Berlin, which he said "were used to inflate the prestige of the ambitious dictator Adolf Hitler." The Soviets, Carter said, would like to exploit the Games, too, and win a propaganda victory.

"It is essential that our intentions be absolutely clear," Carter said. "The measures we have taken against the Soviet Union since the invasion will remain in effect until there is total withdrawal of Soviet troops from Afghanistan. Then, and only then, we would be prepared to join with Afghanistan's neighbors in a guarantee of true neutrality and non-interference in Afghanistan's internal affairs." In the speech devoted to foreign policy, particularly the crises in Iran and Afghanistan, Carter defended his restraint in seeking to free the Americans held hostage in the U.S. Embassy in Tehran. And he again blamed Soviet expansionism for threatening Iran as well as Afghanistan.

"If interference from outside is a threat to Iran," Carter said, "that threat does not come from the United States."

"The challenge in that area of the world—as in some others—comes from the intersection of two historic trends." One of those trends, the president said, is the rising demand for self-determination, to which Carter said the United States is sympathetic.

"The other trend is Soviet expansionism, which we are determined to oppose," Carter said.

## Tornado: a year later

WICHITA FALLS—From the air, portions of the south side of this city of 100,000 still look like unfinished jigsaw puzzles.

Cement foundations are sprinkled like salt throughout sections where residents are still rebuilding homes and businesses demolished on that "Black Tuesday" one year ago.

Thursday marked a year since three tornadoes marshaled forces and crushed with unrelenting brawn into Wichita Falls, about 90 miles northwest of Fort Worth.

It was 6:15 that April evening when the tornado first skipped across the dust-colored waters of Lake Wichita and plunged into Memorial Stadium, snapping steel light standards and ripping up its astroturf.

From there it continued eastward through Western Hills, Faith Village and Southmoor.

It killed 44 persons, injured over 3,200 and left over 2,000 homeless, including the families of several TCU students. In the 25 minutes that it was on the ground, the killer tornado cut an 8-mile long swath a mile and a half wide that destroyed one-fifth of the city. Property damage totaled nearly \$300 million.

That same kind of "black death" struck not only Wichita Falls that day, but Vernon and Lawton, Okla., as well. The Vernon tornado left 11 dead, injured 66 and caused \$20 million in property damage. Three were killed in Lawton, 127 injured, and property damage was over \$12 million.

And last week, as funnel clouds again threatened the twister-weary city, setting off wailing civil defense sirens, residents couldn't escape the haunting memories of last year's murderous rampage.

It has been a year of monumental grief for some, especially those who lost loved ones. For others the tornado constituted at least a disruption that was to last an entire year.

Nearly all of those residents who lost their homes to the storm were underinsured and government red tape has bogged down many in securing federal loans to rebuild. Some of those who have tried to rebuild have been bilked by crooked contractors.

But some residents just couldn't rebuild the homes that they had lived in for years. The mental anguish was just too great.

"Every time I would go back out there and try to rebuild, I would just get physically sick," said Gene Wilcox, father of TCU junior Scott Wilcox. The tornado destroyed the family's home of 16 years shortly after they had remodeled it.

"We just decided to move," said Wilcox, a registrar and veteran's director at Vernon Regional Junior College in Vernon. "It took a little bit to convince Mrs. Wilcox because there were a lot of memories in that house."

"All that was left behind was bricks and sticks, so I felt we had to move," he said.

"It has been a tough year," he lamented. "But life goes on. We got our careers and each other..."

—Chris Kelley



HONORED PROFESSOR—Dr. Walton H. Rothrock holds the trophy he was presented at the 18th Honors Day Convocation in Ed Landreth Auditorium Thursday.

Skiff photo by Tommy Hawley

## Rothrock wins Honors Day award

By LYLE MCBRIDE  
Staff Writer

French Professor Walton H. Rothrock won the Honors Faculty Recognition Award for 1980 at TCU's Honors Day Convocation Thursday.

The Alpha Lambda Delta Award for the highest grade point average of a graduating member of Alpha Lambda Delta went to Alicia White, a nursing major.

Chi Omega sorority and Lambda Chi Alpha fraternity won Greek Scholarship trophies for having the highest grade point average among their graduating seniors.

Electees to Phi Beta Kappa were

announced by Madeline Potter, who replaced absent TCU chapter Phi Beta Kappa President Ben Proctor. She called the award the highest, and most coveted, academic award in America.

Students must have a 3.9 or above grade point average to qualify for Phi Beta Kappa.

Kit Klein, Student Honors Cabinet chairperson, presented the Faculty Recognition Award to Rothrock on the basis of his "excellence in teaching, research... and faculty-student relationship."

Rothrock, who has taught at TCU for 25 years and studied in France on a Fulbright Scholarship, received a standing ovation from the audience when the award was announced.

Pulitzer Prize winner Howard Nemerov, who Honors Week Chairman Harry Opperman called "probably the greatest living American poet," was the speaker at the 18th annual event.

Nemerov's address was titled "Lewis Thomas, Montaigne, and Human Happiness" and dealt mostly with Lewis Thomas' book "The Life of a Cell."

Thomas is a physician and biologist whom Nemerov said, "has got so much learning that he never bothers to sound learned."

Thomas compares human language with hills built by ants, saying that it is continually being changed by different generations, with none of them knowing what the end product will be like, Nemerov said.

Thomas also says that music is a direct reflection of the mind. Bach would be the best way to describe ourselves to people from other planets.

Bach's "Magnificat in D" is one such illustration of the way we think, Nemerov quoted Thomas as saying.

The TCU Concert Choral performed three movements from that work: "Fecit Potentiam," "Sicut Locutus Est" and "Gloria." Direction was by Joyce Hull, a graduate student in music education.

Nemerov also mentioned essays written by Montaigne in which the author discusses his own life and feelings. He added that the tie between Thomas and Montaigne is happiness.

"Happiness is not having to worry about yourself, as health is not having to worry about your body," Nemerov said.



SHARP DRESSER—A quill-coated porcupine in the Fort Worth Zoo nibbles a snack.

Skiff photo by Ken Sparks

## around the world

Compiled from Associated Press

**Boycott supported with words.** No nations have joined the suggested American sanctions against Iran even though the Carter administration says it will have responses by the end of the week, but any European decisions could be weeks away. The administration hopes that tough economic sanctions will make military action to free (and kill, the militants threaten) the hostages.

Meanwhile, the 34 ousted Iranian diplomats received a heroes' welcome upon returning to Iran. President Carter broke diplomatic ties Monday after Khomeini rejected a plan to transfer control of the hostages from the militants to the ruling Revolutionary Council.

**Colombian captors reduce demands.** Still holding 20 hostages in the Dominican Republic's Embassy, the guerrillas now say they want only the release of seven jailed leftists, an unknown ransom and safe passage out of the country in exchange for the hostages.

**Cuban exodus to begin soon.** Peru announced that, because five other South American countries agreed to take some of the 10,000 Cubans crowding Peru's embassy in Havana, it would accept 1,000 refugees.

**Anderson will stay in GOP.** Even if he does run as an independent, Anderson said he doesn't want to create a third party.

**Sadat confident of autonomy accord.** After meeting with President Carter for two days, Sadat said that the next move in the self-rule negotiations for the Palestinians living in Israeli-occupied lands is up to Israeli Prime Minister Begin, who's scheduled to arrive for talks with Carter next week.

Carter has said that a self-rule plan must include a recognition of Palestinian rights and their right to determine their own future. Administration officials have said that an agreement can be reached by the target date of May 26.

**Israel moves into Lebanon.** Reinforcements and armored personnel carriers moved into southern Lebanon to search for terrorist squads. The Lebanese government said it was consulting with U.N. Secretary-General Waldheim for a U.N. Security Council session on the Israeli move.

**Iran-Iraq tensions grow.** Iranian vessels steamed out into the Persian Gulf and reported small dogfights and artillery fights Thursday. Iraq, meanwhile, accused Ayatollah Khomeini of sponsoring a ring of subversives. Iran estimates that 25,000 Iranians have fled Iraq in the past week.

**Soviets explode nuclear bomb.** The explosion was the second within six days at its testing grounds in Central Asia. It registered 5.3 on the Richter scale and was estimated to be 10 kilotons.

# OPINION

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## Good house action on part-time vote

The House of Representatives voted last week not to give part-time students equal representation in student government.

The representatives made a good decision on this issue—a feasible decision.

Some students, such as James Sherman who resigned from the House Tuesday night over the issue, feel that part-time students need equal representation in the House.

It would be nice if everyone had a voice in everything. But it would not be a realistic goal.

Giving part-time students a vote in the House would have given them the benefits, without the responsibilities, of student government. It would have increased the power of a group that has a smaller interest—as shown by the apathy part-time students have shown in student government.

What the House has done is to have drawn the line on a touchy subject. Giving part-time students—all part-time students, regardless of how many semester hours they take—equal representation without paying a portion of a student activities fee is wrong. It dilutes the effect on and effect of the student who has a larger stake and a larger interest in the actions of this university.

This is not to say that part-time students should not participate in campus politics, only that they are not prone to show interest in the House.

As Carla Harris said in the House meeting last week, part-time students can and should be active on House committees. If this activity had been witnessed earlier the House might have been more willing to grant them equal representation.

## Non-smokers insist on their rights

By MARK MAYFIELD  
Guest Columnist

There are two types of people: smokers and non-smokers. Smokers can easily be identified by the white clouds hovering above their heads, and in the trail of cigarette butts, matches, and ashes dropped thoughtlessly on the ground behind them. They possess such desirable traits as yellow teeth, deteriorating lungs, bad breath, and smelly clothes. With each precious intake of chemicals and carcinogens, the smoker adds to his enjoyment while subtracting from his lifespan.

Non-smokers are those people who do not put burning objects into their mouths. Past the age of thumb-sucking, non-smokers realize that mouths are designed primarily for eating and speaking, and lungs are designed for breathing. Non-smokers make up the vast majority of the population, and can be found crowded around "no smoking" signs.

Although many have tried to break smokers of their costly and ultimately suicidal habit, most non-smokers feel it is up to the smoker to do with his body as he pleases. The real trouble begins, however, when inconsiderate smokers decide that "no smoking" signs are only for decoration, and that they can puff away whenever and wherever they wish.

From a libertarian position, one could argue that a person does have the right to do with his body as he pleases. But non-smokers like to breathe.

**Smokers can easily be identified by the white clouds hovering above their heads. . .**

They would also like to have clean-smelling clothes, unirritated eyes, and ash-free tables and floors. And some people are actually allergic to tobacco smoke.

"The Surgeon General has determined that cigarette smoking is dangerous to your health," reads the message on cigarette packages. Recent studies have shown, though,

that cigarette smoking is also dangerous to the health of all non-smokers. No longer is it merely a case of undeniable rights for smokers. Others are involved now.

What this situation amounts to is a battle of conflicting rights. Some enjoy their right to smoke, and others enjoy their right to breathe clean air. I believe a wise and responsible

**Non-smokers are those who do not put burning objects in their mouths.**

solution should place the necessity of good health above the desire to smoke. If smokers wish to continue their ugly habit, let them do it, but let them do it in private.

By law, "no smoking" signs have been posted in some public areas. Originally displayed for purposes of fire safety, these signs have taken on new meaning and importance. Many people in movie theaters, restaurants, libraries, elevators and classrooms now look forward to seeing "no smoking" signs in hope of breathing clean air.

Some airplanes, trains and buildings have separate areas for non-smokers. Nevertheless, there are always those stubborn, selfish individuals who feign illiteracy and smoke anywhere at anytime. There is obviously a need for the enforcement of no-smoking laws.

So why aren't the laws enforced? For the same reasons that smoking is not banned completely.

The Food and Drug Administration bans questionable items such as saccharin, red dye No. 2, laetrile and "tris" in children's pajamas. But cigarettes, which have been proven harmful again and again, stay on the market. Why?

There are several reasons. First, if cigarettes were banned, many people would not respect the law. The liquor prohibition amendment from 1920-33 was a failure. Black market operations thrived.

Second, the tobacco growers' and cigarette manufacturers' lobbies are too powerful to ignore. Third, there are too many people who would lose their jobs if cigarettes were banned.

Next, the government receives a great deal of money from the cigarette tax. Then there are the members of Congress who smoke, and who would never vote to eliminate their own habit. And finally, the non-smokers are a silent majority. Only a noisy majority will prove effective.

If smokers cannot be rescued from the Madison Avenue propaganda that cigarettes are "cool" and "taste great" and calm one's nerves (regardless of the nicotine which acts as a stimulant), then let them go on smoking. But they must consider the rights of non-smokers. Rights that should be enforced.

Theaters that allow smoking on only one side of the auditorium are ludicrous—smoking should not be permitted in the theaters at all, and ushers should stop anyone trying to light up. Classrooms and lecture halls must be smoke-free. Instructors should not smoke in class, and they should insist that their students also obey the rights of non-smokers.

If a person on the job is regularly faced with an inconsiderate, unyielding chain-smoker, the non-smoker should be able to bring suit against the smoker for loss of health. It is time for people to stand up for their rights. Non-smokers need to understand the seriousness of the smoking problem and ask that cigarettes be put out in buses, elevators, classrooms, or wherever selfish smokers appear.

When someone asks, "Mind if I smoke?" the question is usually directed only to the person nearest the smoker, rather than to each member in a room. Perhaps he or she never learned that smoke travels.

If the question is, "Mind if I smoke?" then the answer should be "Yes." Or else, "Why, are you on fire?" Better yet, "Why smoke? Wouldn't sucking on a car exhaust simpler for you?"

There are two types of smokers: those who smoke in private, and inconsiderate ones who smoke in public. And there are two types of non-smokers: those who allow themselves to be stepped on, and those who stand up for their rights.

Other writers who won Oscars turned out to be "fronting" for blacklisted writers who actually did the work.

Which brings us up to the present day. Know how the nominees for Best Foreign Language Film are picked? The Academy invites every country in the world to send one nominee. Then a special Academy committee picks five of them. Hardly a system to guarantee the best quality films will



## Kramer among predicted Oscars

By RICHARD BRANDT  
Guest Film Critic

Ah yes, the Academy Awards. Before I make any specific predictions about the big bash Monday night, I would like to make a few general remarks about the aura of artistic integrity surrounding this august ceremony.

Everyone knows, for example, that the winners are chosen purely on the basis of their artistic achievement. A few examples will demonstrate.

In the '30s, the USDA hired Pare Lorentz to make documentary films promoting proper soil conservation. Among his output was *The River*, a classic work with a stirring score by Virgil Thompson and some pretty

dramatic flood scenes. The department was so pleased with the work they decided to enter it as a candidate for the Oscar for Best Short Subject.

Immediately, a group of Hollywood filmmakers banded together protesting the action, declaring that a poor precedent would be established by having government films in competition with films made under the banner of free enterprise.

Oddly enough, the drive was spearheaded by Walt Disney, whose entire output at that time consisted of short films—which would have been in competition with *The River* for awards. And he succeeded, too.

Interestingly, several years later World War II broke out and all the documentary film Oscars went to government war films. I guess old Walt didn't want to look like a Nazi sympathizer. So it goes.

Another case: During the '50s, the Academy decided that a script was ineligible for a writing award if the author belonged to any alleged Communist front organization or had refused to testify before a House or Senate committee. You can look back at the old lists of nominees, and see the scripts nominated by the Hollywood writers as the best of the year, but declared ineligible by the Academy for political reasons.

Once upon a time, the Academy was quite embarrassed when it gave the Best Screen Story award to Robert Rich. It turned out Robert Rich didn't exist, but was the pseudonym for blacklisted writer Dalton Trumbo.

For best actress, it's neck-and-neck between Sally Field for *Norma Rae* and Bette Midler for *The Rose*.

Other writers who won Oscars didn't won twice already. The big problem here: each deserves it for doing an incredible job.

For Best Actress, it's neck-and-neck between Sally Field for *Norma Rae* and Bette Midler for *The Rose*. I give Field a slight edge, but there's a chance these two heavyweights could run each other out of the race, saddling us with Jill Clayburgh in *Starting Over*, Jane Fonda in *China*

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Unfortunately, for the academically-oriented student this is impossible. The highest academic scholarship TCU offers—the Chancellor's Scholarship—pays \$3,000 a year. That's \$1,600 less than the package Ms. Davis wants, and \$900 less than she has now. Dean's Scholarships and Academic Achievement Awards pay less. Some are only one-shot awards.

But that's not all. If you're on academic scholarship, you must keep up a certain grade point average (3.5 in many cases, 3.7 for

be picked; what if the five best films all were made in France one year? Then there's the fact of just who picks each country's nominee is not specified. A government agency? A board of film critics? The customs office? Their version of the Academy—God forbid?

You end up with a fiasco like this year's, when the French film *La Cage Aux Folles* is nominated for Best Director and Best Screenplay but not for Best Foreign Film.

Now that you know how valid the awards are, I know you're dying to hear who the winners will be.

Best Picture, everyone agrees, will be *Kramer vs. Kramer*, which has already won every critic's prize in the book. But there are no sure things, and *Breaking Away* has a chance at sneaking up from behind, as *Annie Hall* did two years ago.

Best Actor to *Kramer*, again, for Dustin Hoffman. Everyone knows Dustin deserved the award over 10 years ago, and the only thing standing against him is his known anti-Hollywood feelings. In which case Peter Sellers is a good candidate for *Being There*. Al Pacino is another oft-time loser who deserves an award, but *And Justice for All* was too weak a picture. Roy Scheider (*All That Jazz*) deserves an award, but needs to build up more recognition. Jack Lemmon would be a stronger can-

didate for *China Syndrome* if he hadn't won twice already. The big problem here: each deserves it for doing an incredible job.

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But that's not all. If you're on academic scholarship, you must keep up a certain grade point average (3.5 in many cases, 3.7 for

some, and 3.9 for a few). As far as I know, basketball players don't have to maintain an 88 percent, 93 percent or 98 percent free-throw average to stay on scholarship.

I'm not suggesting that athletic scholarships be reduced—or that Ms. Davis be denied parity with male athletes. All I ask is that scholarship athletes not act as if TCU owes them a free education. So before you refuse to sign for your scholarship in a moment of righteous indignation, Ms. Davis, tell me first; I have about a dozen friends leaving TCU for financial reasons who wouldn't mind the insult at all.

Matt Fels  
Sophomore, undeclared major

*Syndrome* or Marsha Mason in *Chapter Two*. Clayburgh and Mason have a sympathy edge for being two-time losers.

Meryl Streep is the shoo-in for Supporting Actress for *Kramer vs. Kramer*, but she has competition. Barbara Barrie in *Breaking Away*,

Candice Bergen in *Starting Over* and Jane Alexander (also for *Kramer*) are the kind of veterans the Academy loves to recognize, which sort of leaves 18-year-old Mariel Hemingway (*Manhattan*) stalled in the starting gate.

Robert Duvall is the favorite for Supporting Actor for *Apocalypse Now*, an award most feel is long overdue. You should be rooting for Frederic Forrest in *The Rose*, seeing how Fred graduated from TCU in 1960. Other possibilities: Mickey Rooney (*The Black Stallion*) for sentimental reasons, 9-year-old Justin Henry if *Kramer* makes a sweep, and Melvyn Douglas because *Being There* is recent and still in memory.

Francis Coppola is favored for Best Director for *Apocalypse Now*, but I say the film is too controversial for the Academy. Robert Benton should take it for *Kramer vs. Kramer* if the past is any indication. Bob Fosse stands a good chance with *All That Jazz*, if only because every time he's competed with Coppola one of them has emerged victorious. British emigrant Peter Yates is the dark horse for *Breaking Away*, and Edouard Molinaro has the chances of the proverbial snowball for *La Cage Aux Folles*.

Sure things: *Apocalypse Now* for Best Cinematography, *The Muppet Movie* for either Best Song or Best Scoring (possibly both), and Ira Wohl's *Best Boy*, a moving portrait of his mentally retarded cousin, for Best Documentary. Bob Godfrey, who taught animation to Monty Python, is nominated for *Dream Doll*, a story of man's best inflatable friend.

That's all, folks. See you at the movies.

## Letters to the Editor

### Why complain

Dear Editor,

I saw in Wednesday's Skiff that Lynn Davis, a basketball and tennis player, is complaining that her scholarship is not being raised from its present \$3,900 to the men's \$4,600 next year. I can't argue with her premise that women and men in athletics should receive the same amount of scholarship money, but her attitude disturbs me.

"I'm mad because I don't want to have to pay a cent next year," she said in the article (and I'll assume she was quoted accurately). I don't think too many people will

disagree with what she said; I certainly would like a free ride at TCU.

Unfortunately, for the academically-oriented student this is impossible. The highest academic scholarship TCU offers—the Chancellor's Scholarship—pays \$3,000 a year. That's \$1,600 less than the package Ms. Davis wants, and \$900 less than she has now. Dean's Scholarships and Academic Achievement Awards pay less. Some are only one-shot awards.

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Text by Cl

Art

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# TORNADO

## A storm's most violent child

Text by Chris Kelley

Art by David Torrez

"Think it'll hail?" the guy from Tucson asked his friend from Texas at dinner last week.

"And we'll probably have a tornado or two," the friend joked.

The air in Reed Cafeteria last Wednesday was thick as syrup. Shirts were pasted to sweaty backs. It was hot, sticky and like a catered sauna.

"C'mon," winced the Arizonan, "we're under a warning."

His friend swallowed the scalloped potatoes and chased them with orange juice. "Worry when the windows pop."

Just then, the dark, blustering thunderstorm, that had minutes earlier spawned a funnel cloud over the dam at nearby Lake Benbrook, began spitting hailstones—some as large as golf balls—and the rain came like someone had flushed a commode in the heavens.

The student from Arizona was jittery.

His Texas friend was hushed.

Muffled by the cacophony outside, civil defense sirens could barely be heard.

"S—, I'm getting out of here."

The Arizonan headed for the cafeteria door only to be halted by the deluge outside.

Last week's thunderstorm was one of the first of many likely to strike the North Texas area this spring.

And while this one caused some \$43 million in damage—confined mostly to dented autos, shattered windows and splintered shingles—no injuries were reported.

There were a few tense moments, however, when a funnel cloud had been sighted over the dam at Lake Benbrook, seven miles from campus, moved eastward and briefly touched down in southwest Fort Worth about 5:30.

Although "tornado-like" signs

appeared on National Weather Service radar screens, federal meteorologist Kenneth Crawford said his office could not confirm an actual tornado.

It was a year ago that a tornado cut through the south side of Wichita Falls, Texas, a city of nearly 100,000 about 90 miles northwest of here. It killed 44 (two died later), injured over 3,000 and left over 2,000 families homeless, including those of several TCU students.

No natural force can be so fascinating yet so devastating as a tornado.

And it is this time of the year—March to June—that these most violent children of thunderstorms are spawned.

And, according to the National Weather Service, the best defense a community can have against tornadoes is to know what conditions spawn them, what warning signs to watch for and what protective measures to take in the event of severe weather.

There are a number of weather factors that cause tornadoes, meteorologists say. Most are born in spring when a mass of warm, moist air from the Gulf of Mexico meets a cool, dry polar front from the north. A squall line forms where these masses collide, producing severe local thunderstorms.

For these squalls to spawn a tornado, the warm air mass, ideally 8,000 to 10,000 feet thick, must lie under the cold front. A vortex—whirling air that creates a vacuum—forms where the two meet.

When the vortex becomes visible and drops to the ground, it becomes a tornado.

This intense spiraling of winds produces a hollow area of very low pressure at the tornado's center. It is this low pressure that causes

buildings to explode because the normal air pressure inside the building pushes windows, doors and walls outward as the tornado arrives.

Opening windows to try and equalize the building's air pressure with the pressure outside cannot hurt, but people disagree about its prevention of an explosion.

Occasionally, tornadoes give no visible warning before they strike. Usually, however, their approach is heralded by dark green swirling thunderclouds. The funnel-shaped vortex projects like a finger from the clouds.

The tip of the funnel often appears to be dust and debris. Although the core is almost cloudless, condensed water vapor makes the rim of the twister visible.

Invisible tornadoes, though extremely rare, have been reported. Only the debris raised by the twister can be seen.

Officials say the "average" tornado with a tip less than 200 feet wide, carves out a path of

destruction about one-quarter mile wide and roughly 25 miles long.

It spins counterclockwise at 45 mph, generally moving from southwest to northeast. The internal wind velocity is about 350 mph.

There are, of course, exceptions.

The tip may be as wide as 600 feet, with wind speeds of up to 500 mph. The path of one tornado covered 219 miles, nearly nine times the average length. And tornadoes have been recorded in every direction, some as fast as 70 mph.

The tornado at Wichita Falls cut an 8-mile swath that was up to a mile and a half wide.

Although they wreak havoc all over the world, tornadoes are particularly destructive in Australia and the United States, particularly in Texas, Oklahoma, Kansas and Missouri.

Tornadoes may strike in any part of the country, in any season, at any time.

But in the Midwest, between March and June, and especially between 3 and 7 p.m., with thunderstorms, tornadoes are most often the rule as they are the exception.

And authorities agree: Texas has more of them than any other state—an average of 105 touching soil each year.

Tornado Alley doesn't help the averages any. The alley, a strip of land frequented by tornadoes, runs from Iowa through Kansas, Oklahoma and North Texas.

The worst tornado in Texas history struck Waco about 5 p.m. on May 11, 1953, killing 114, injuring nearly 600 others and destroying nearly two square miles of the business district. That same day, another tornado touched down in San Angelo, killing 11 and injuring 159.

But there have been a number of more recent tornado disasters in Texas:

—a series of twisters ripped through a 200-mile area in the Panhandle in April 1970, killing 25, injuring hundreds, destroying 11 towns and causing property damage worth \$135 million.

—a second series struck Lubbock less than a month later. The May twister killed 26, seriously injured 300 and caused nearly \$200 million worth of damage.

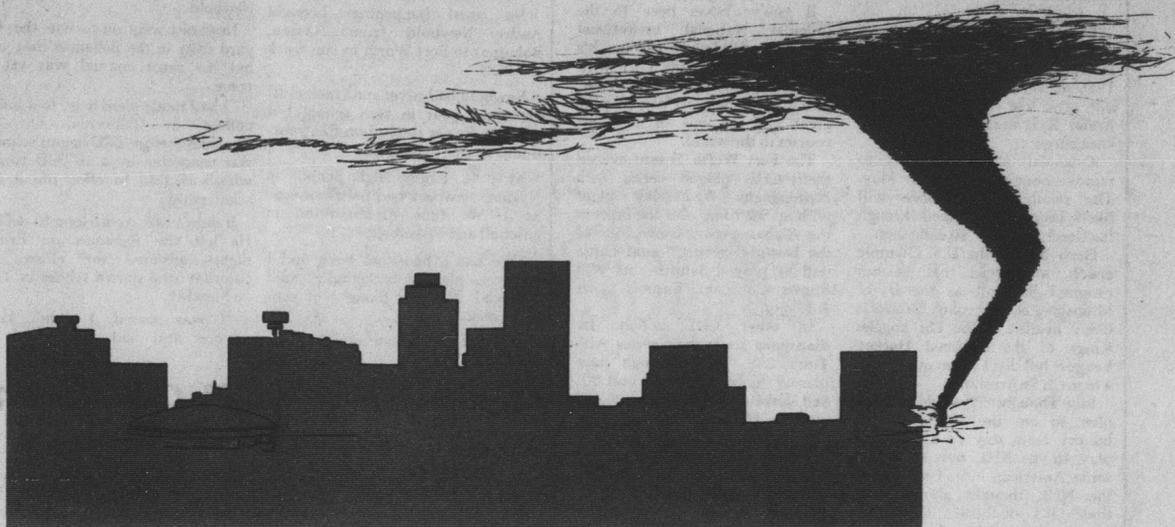
—a series of tornadoes hit the Red River Valley area of North Central Texas and southern Oklahoma last April, killing 46 at Wichita Falls, 11 in Vernon, Texas and three in Lawton, Okla.

—in the Dallas area last May, a tornado killed one person, injured over 40 and caused nearly \$15 million worth of damage.

But despite Texas' demonstrated vulnerability, the most destructive tornado in America's history has come nowhere near the state.

The Tri-State Tornado, which struck in March 1925, was the worst ever to hit the United States. Traveling at nearly 60 mph, it spent a highly unusual three hours on the ground, cutting a path three-quarters of a mile wide and 219 miles long through Missouri, Illinois and Indiana.

The twister killed 689, injured 2,000, left 15,000 more homeless and wiped four small towns completely off the map.



### Tornado safety tips

If you're in your dorm room and you hear the blare of civil defense sirens, officials suggest as a general rule that you grab a pillow, race out of your room, (closing the door behind you) and head for the basement or lowest floor possible—away from any place that you can see glass.

Curl up so that your head and eyes are protected. If possible, keep a battery operated radio nearby, and listen for further advisories.

Hall directors and staff have floor plans for your building with safe areas marked. It would be a good idea to know in advance what the safest areas are in your dorm.

If you're in a classroom, cafeteria, office, the library or other university building and you hear civil defense sirens, seek shelter in a basement, windowless stairwell, or interior hallway on the lowest floor—away from anyplace you can see glass.

Housing officials hope to finish marking the safe areas of university buildings with yellow paint this spring.

In homes, the basement offers the greatest safety. Seek shelter under sturdy furniture if possible. In homes without basements, take cover in the center part of the house, on the lowest floor, in a small room such as a closet or bathroom. Stay away from windows!

In shopping centers, go to a designated shelter area— not to your parked car.

If you're outside and you hear sirens, seek shelter in safe areas of buildings. In open country, move away from the tornado's path at right angles. For example, if the tornado is coming from the north, move either to the east or west. If there is not time to escape, lie flat in the nearest ditch or ravine, or any other land depression. Do not try to outrun the tornado in a car.

Mobile homes are particularly vulnerable to overturning during strong winds and should be evacuated when strong winds are forecast.

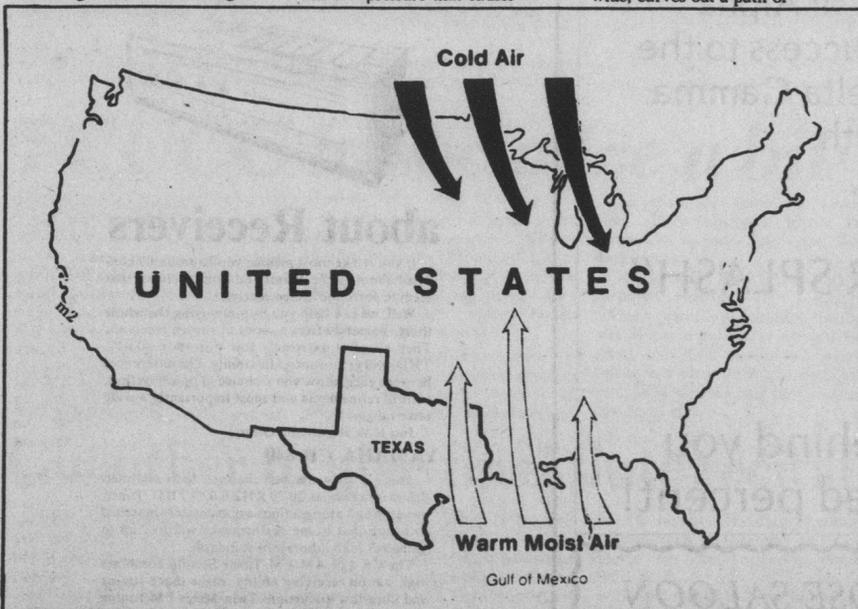
#### KEY TERMS—

**A TORNADO WATCH** means tornadoes are expected to develop. Keep a battery-operated radio or television set nearby, and listen for weather advisories—even if the sky is blue.

**A TORNADO WARNING** means a tornado has actually been sighted or indicated by weather radar. Seek shelter and stay away from windows.

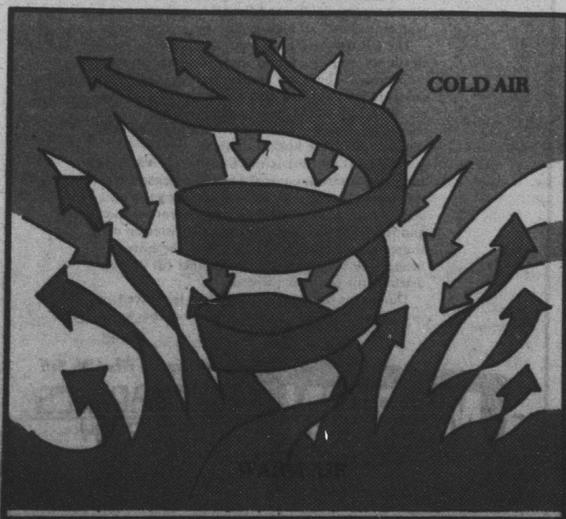
Tornadoes are only one of thunderstorm's killers. Lightning is the worst, so when a storm is overhead, stay indoors and away from electrical appliances. If you are caught outside, stay away from and lower than high, conductive objects.

Thunderstorms cause flash floods, so be careful when you take shelter.

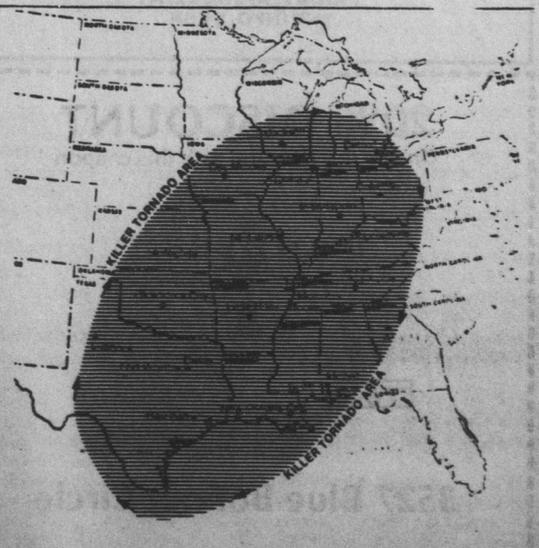


Above: This time of the year air masses collide forming squall lines and severe thunderstorms, which often spawn tornadoes.

Below: Tornadoes form because of differences in the atmosphere's pressure that force cool air over warmer air. The rapid rise of the warm air into the cooler air begins a convection motion that creates a rotary flow and forms the tornado vortex.



### High-risk Area



# SKIFF SPORTS

**Commentary**

## Cowboys to lose Kyle

By ROBERT HOWINGTON  
Asst. Sports Editor

The Dallas Cowboys, who have already lost Roger Staubach, Cliff Harris and Rayfield Wright for the 1980 season because of retirement, will now lose veteran cornerback Aaron Kyle next year because of knee surgery.

Kyle will undergo surgery to remove bone spurs in early May. The rehabilitation process will likely keep him sidelined through the first half of the '80 campaign.

Herb Brooks, the U.S. Olympic coach, announced that he has resigned his post as the U. of Minnesota hockey coach. Brooks is likely headed to the Los Angeles Kings of the National Hockey League, but don't count out Davos, a team in Switzerland.

Idle Thought: It would've been nice to see the U.S. Olympic hockey team stay as a unit and play in the NHL next season in some American city. I wonder if the NHL thought about doing that? It's doubtful. The NHL hierarchy would rather add a team in Moose Jaw instead of expanding its sport south of the Canadian border.

Trivial question: Who did the Texas Rangers "give away" to the

New York Yankees last year? Hint: He was hitting .335 with 8 homers and had 32 RBI's in just 64 games.

If you've never been to the Colonial National Invitational Tournament (May 15-18), go. It's been described as the Girl Watcher's Capitol of the PGA Tour. You'll see some great players play great golf on one of the best courses in the world.

The Fort Worth Texans evened their CHL playoff series with Birmingham Wednesday night with an 8-2 romp over the Bulls in the Alabama city. Game four of the best-of-five first round battle will be played Saturday at Will Rogers Coliseum. Faceoff is at 7:30 p.m.

In other CHL action, Indianapolis leads their series with Tulsa 2-0. The Checkers have blasted the Ice Oilers 4-0 and 6-1. Salt Lake City holds a 1-0 lead over the Houston Apollos after an easy 7-4 victory Tuesday.

The annual Purple-White game will be played Saturday afternoon at 2 p.m. at Amon Carter Stadium.

Trivia Answer: Oscar Gamble went to the Yanks last year in one of the most botched up trades ever. In return, Texas got Mickey Rivers. If the Ranger brass would've known their rules, Gamble would still be in Texas.

## Fast starts come late for Newbold

By CARY HUMPHRIES  
Sports Editor

No usual happenings brought Andre Newbold from Nassau, Bahamas to Fort Worth to run track for TCU.

Newbold had never run track until his senior year in high school but when he finally stepped on the track, things started to happen.

At R.M. Bailey High School in Nassau, Newbold had been honored as a two time All-Bahamian in baseball and basketball.

"We had a hoop out back and I grew up playing basketball," said Newbold. "I never thought of running track."

The first day he ever set foot on a

track the records began to fall. "In my first race I broke the old Bahamian high school record," said Newbold.

Newbold went on to win the 440 yard dash in the Bahamas that year but the most unusual was yet to come.

"I had made plans to go to a junior college in California. On the Thursday before TCU began school I was contacted by a ex-TCU runner who was told to offer me a full scholarship."

It didn't take Andre long to decide. He left the Bahamas on Friday night—registered for classes on Saturday and started school at TCU on Monday.

"I was scared. I didn't know anyone and had never seen the

school," said Newbold who now, in his sophomore year, finds TCU and Fort Worth very enjoyable.

If Newbold decides to stay in The States, Fort Worth would be his top choice. But he would like to keep running.

"I might go back to the Bahamas to run for a track club there," said Newbold. The clubs are amateur and expenses are provided by the Bahamian Athletic Association.

Newbold has his eyes on more immediate goals right now, however. This weekend the Frog tracksters will travel to Dallas for the Metroplex Meet and Andre says it's "time to go."

"We are all healthy and are coming off some good runs down in Austin. We're ready to run and this

weekend should be a good test for us."

Newbold's season best time in the 440 is 47.2—only one-tenth of a second off last year's time with the big meets still to come.

Running the 880 and the two mile relay are two of Newbold's strong events as well. "I am usually equal in the 440 and 880 but my best times have been coming in the quarter mile(440)," he said.

Newbold was also a member of the mile relay team that went to nationals last year.

"Things are moving for us now," he said.

Newbold and the rest of the Tracksters will have chances to shine with the Drake and Kansas relays coming up later this month.

## Baseballers in do-or-die situation against SMU

By ROBERT HOWINGTON  
Asst. Sports Editor

As far as TCU baseball coach Willie Maxwell is concerned, the Frog hardballers are in a must sweep situation if they're to challenge for a spot in the Southwest Conference post-season tournament.

The Frogs, eighth in the SWC with a 4-7-1 mark and 16-21-1 overall,

take on the SMU Mustangs today and tomorrow in Big D.

"We are pretty much to the point where we have to sweep SMU," Maxwell said. "If we do, we'll really be in pretty good shape at 7-7-1. We'll be in the hunt."

In order for the Frogs to sweep, Maxwell says, "We have to hold with our pitching and play good defense. They're are some little mental things

we have to eliminate. Overthrowing the cutoff man, running the bases properly and ect..."

Maxwell says the team's hitting has been "adequate. I'd like for it to be better. But those other things have got to remain consistent for us to get there."

Extra innings—Scott Ringnald sports a .422 batting average in SWC

play...In 12 conference games, Ringnald has 14 RBI's...Cameron Young, who will start in the opener against the Ponies, is 2-2 in the SWC with a 2.81 ERA...Luis Rojas is hitting at a .402 clip in SWC...Rojas also leads the team in SWC homeruns with 2...TCU is 2 for 17 in the SWC in the pinch hit department...TCU has outscored its SWC opposition 68-

67.

# frog



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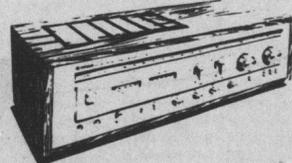
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TCU

By J. FRAZIER Staff Writer

TCU comp admit that the about campus social lives. That, however

"We are of pter people a we can have Peggy Badla

Guest

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The concert "Souci," after the Great of 8:15 p.m. Auditorium. William Tink Harriet Risk accompany C performance.

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How

An all-camp Bash," in h Tucker's inaug April 16 from front of the stud The outdoor the TCU R Representatives music by refreshments w party. House office