

Today will be cloudy with rain likely and a high in the mid-70s. The weekend will be cloudy with rain and the highs Saturday in the 80s.

# The Daily Tar Heel

Serving the students and the University community since 1893

Interviews for 1979-80 bat girls for the Carolina baseball team will be conducted 1-5 p.m. Tuesday, Oct. 9.

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## New bells would take dollar toll

By GERRI RATLIFF  
Staff Writer

As classes of students have come and gone at UNC, the Bell Tower has gone on, chiming its ditties and tolling the hours. But the tower is getting on in years these days, and it sometimes emits a sour note or adds a few strokes to the time.

Right now one bell isn't speaking well," said John Yesulaitis, director of the University band and overseer of the Bell Tower, which was modeled after the famous West Point Chimes. "We have been in touch with general services and will have someone take a look (at the bells)," he said. University electricians can handle minor adjustments, but an expert from Blowing Rock must be consulted about serious troubles.

Yesulaitis has also made a request for 23 new bells to add to the 12 old ones. The addition of higher pitched, electronically corrected bells would allow the tower to produce harmonies instead of the clashing overtones the old bells send out.

But the trouble is that a new set of bells would cost a minimum of \$65,000 to \$70,000. That's up from \$29,000 when Yesulaitis made his first request in 1972.

So failing another monetary gift like the \$100,000 from alumni John Motley Morehead and Rufus Lenoir Patterson II that built the carillon in 1931, Yesulaitis said the University will never be able to afford the new bells, which come from Holland.

Yesulaitis said he would also like the University to invest in rolls—like those for a player piano—which electronically control the tower's music and time. New rolls cost several hundred dollars apiece.

The nine selections on the one roll UNC has now include "Greensleeves," "Believe Me If All Those Endearing Young Charms," "The Gift to be Simple" and a folk song medley of "Shenandoah" and "Billy Boy." Also on the roll is a Scotch medley of "Flow Gently Sweet Afton" and "The Blue Bells of Scotland."

From the pen of Stephen Foster comes a combination of "Beautiful Dreamer" and "Camptown Races," followed by "Integer Vitae" and "A Mighty Fortress is Our God."

"Let My People Go," "Dem Golden Slippers" and one unidentified song form a spiritual medley, and "Wayfaring Stranger" finishes the roll.

The bells can also be operated manually to produce another 30-50 tunes. On football Saturdays, for instance, senior band member Frank King sometimes turns out the galleatic sounds of the theme from *Stars Wars*. The carillon also sounds Carolina fight songs and the alma mater.



Bong seems to bong a bit off...but replacement is expensive

## Over weekend

# Parking lot fenced out

By GEORGE JETER  
Staff Writer

Construction workers will begin fencing off the dirt parking lot beside the Carolina Union this weekend in preparation for construction of the University's new central library, William Locke, traffic and parking director, said Thursday.

The lot will remain at least partially open until after the UNC-Cincinnati football game Oct. 6, Locke said. The lot will be closed permanently after the game, he said. A construction trailer was already on the site Thursday afternoon.

People who park in the Union lot were notified at the beginning of the year that it would be closed for construction, Locke said. University employees, the biggest users of the lot, have been told that they will have to park in other areas, mainly in the Bell Tower lot, he said. Employees currently parking in the Bell Tower lot are scheduled to move to the new parking deck addition and fringe lot on Manning Drive.

Although N.C. Memorial Hospital employees have been using the parking deck for about a week, the town building inspector still has not issued an official certificate of occupancy for the deck. Bad weather has put the opening date of the Manning Drive fringe lot in question as construction crews have been hampered by recent heavy rains. Locke said a letter has been sent to University employees who park in the Bell Tower lot requesting them to come to the Traffic Office to receive a special permit which will guarantee them space in the parking deck until the fringe lot can be opened.



Construction of the new library to begin soon...but first Union parking is stopped

Response to the letter has been slow, however, Locke said. Only 75 people out of the more than 200 notified have requested the special permits, he said. Employees who received the letter must obtain a permit by Oct. 8 or they will be assigned to the airport parking lot, he added.

UNC Planning Director Gordon Rutherford said the Manning Drive fringe lot should open Oct. 15. The lot still needs parking stripes, steps, a bus shelter and grass seeding on the banks, he said.

After the Union lot is closed off, the brick walkway which runs between the lot and the north side of the Carolina Union will be closed to the public, Locke said.

## House 'thumbs up' on HEW separation

From staff and wire reports

WASHINGTON—The House gave approval Thursday to a bill creating a new Department of Education and sent the measure to President Carter.

The House voted 215-201 to create the 13th Cabinet department. During his 1976 campaign, Carter had promised to place the government's education programs within a single new agency.

U.S. Reps. Ike Andrews of Cary and Richardson Preyer of Greensboro supported the measure, which will cut the size of the Department of Health, Education and Welfare and rename the agency the Department of Health and Human Services. Andrews, who chaired the House education subcommittee which handled the bill, said a Department of Education would be much more responsible to the public.

Despite the opposition of U.S. Sens. Robert Morgan and Jesse Helms of North Carolina, the Senate version of the bill passed earlier this week. Both expressed opposition to the bill because they said it allows the federal government to exert more control over local school systems.

The HEW Office of Education is the agency to which UNC President William

C. Friday forwards annual desegregation reports for the University.

However, Marilyn Harris, a spokesman for the Government Affairs Commission, said a separate Department of Education would have no effect on the UNC-HEW conflict over desegregation.

The new department is the second created during Carter's term. The Energy Department was established in 1977.

Under the legislation, more than 150 federal programs will be transferred to the new agency. The education division in the Department of Health, Education and Welfare will be the heart of the new agency, but programs from the departments of Agriculture, Justice, and Housing and Urban Development, Labor and other agencies will be added.

The new department will have a budget exceeding \$14 billion and will have about 18,000 employees.

The debate over the Education Department pitted the two largest teacher organizations against one another. The National Education Association, the largest teacher organization, actively supported the idea. But the rival American Federation of Teachers led the opposition.

After the vote, Carter called it "a significant milestone in my effort to make the federal government more efficient."



Rep. Richardson Preyer...supported bill

## Black Greeks emphasize unity

By ROANN BISHOP  
Staff Writer

While some fraternity pledges are out guzzling beer and raising hell, the pledges of Omega Psi Phi, Alpha Phi Alpha and Kappa Alpha Psi are keeping quiet and spending time in the library.

The pledges are going through social probation—a traditional part of the pledge program for black fraternities. For a period of four to six weeks, the pledge must undergo a strict set of guidelines which prohibit talking outside the classroom, sweets, using elevators

and, in some cases, sleeping. Social probation also means four hours of mandatory studying each day in the library, walking in lines, wearing suits and ties to class, and an assortment of other activities.

All the activities associated with social probation serve a very important function, the fraternity leaders say.

"Social probation prohibits communication outside the classroom for the purpose of improving academics," said Wayne Davis, head of Kappa Alpha Psi. "It stops the pledges from killing a lot of time that would be spent more

effectively."

Social probation channels leisure time into projects such as tutorial services, helping local day care centers, raising funds for various charities, canned food drives for needy families and other local and national projects.

None of the black fraternities on this campus have houses. Omega Psi Phi had an option on a house when the fraternity first began at UNC in 1973. However, when it was discovered that the fraternity was black, the option on the house was

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# First Amendment rights vs. national security

## Story behind 'Progressive':

### suppression, then publication

By BILL DURHAM  
Staff Writer

"There is no secret, there is no defense, and there is no possibility of control except through the aroused understanding of the peoples of the world."

—Albert Einstein, speaking on atomic energy in 1947

On March 26 of this year a federal court, for the first time in U.S. history, issued an injunction for prior restraint.

The same jurist, U.S. District Judge Robert W. Warren, had on March 9 issued a temporary restraining order in

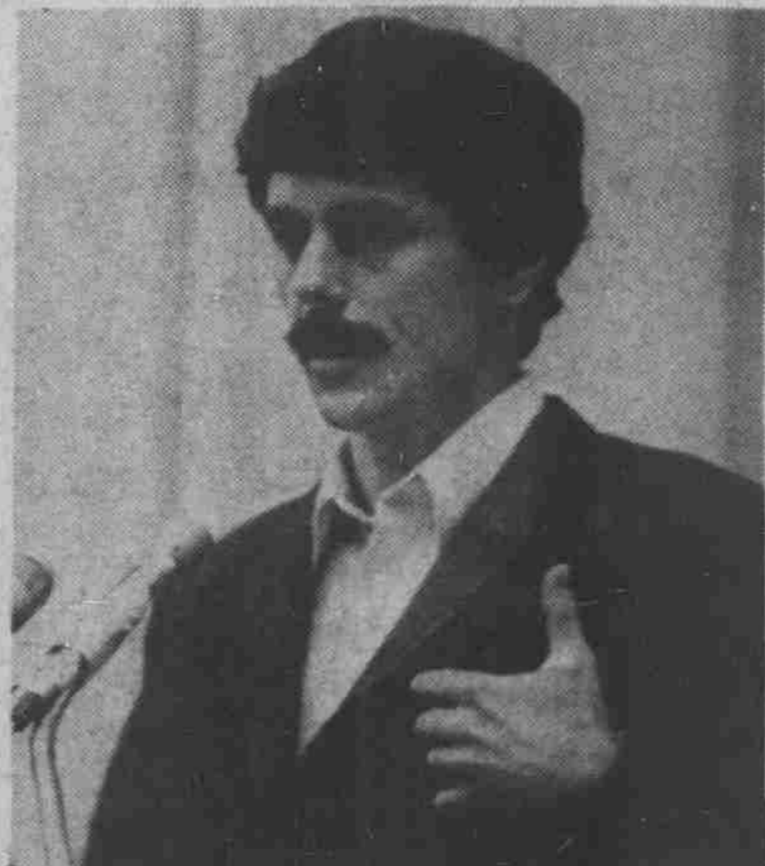
the same case, *The United States v. The Progressive*.

The case concerns the publication of an article by Howard Morland called, "The H-Bomb Secret: How We Got It, Why We're Telling It." In the article, Morland used materials which the government said would be dangerous to national security if published.

Government lawyers dropped their case last week, claiming it was made moot by the Sept. 16 publication by a Wisconsin newspaper of a letter written by computer scientist Charles Hansen that contained information similar to that in *The Progressive* article.

Howard Morland was commissioned

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## 'Hidden' facts about H-bomb readily available

There has been much controversy recently concerning the H-bomb and the publication by the magazine *The Progressive* of allegedly classified material showing how to build one. What follows is a general outline of the material involved, although much of this same material probably is classified under the same laws that the government invoked to take *The Progressive* to court.

The basic bomb consists of two trigger devices at opposite ends of a mass of lithium-6 deuteride fusion fuel. This is contained in an outer casing of natural uranium, U-238. The geometric arrangement requires that the outer weapon casing play a major role in reaching thermonuclear ignition. These elements are separated from one another, and partially supported by, a casing of polystyrene foam. This foam helps in evenly distributing the force of the explosion toward the center of the trigger. The linear arrangement of the triggers produces a symmetrical compression of the fusion fuel

between them. It also allows an X-ray source at each end of the bomb. The two triggers must fire simultaneously. In the center of the trigger is a neutron generator which initiates the chain reaction in an atomic bomb. The generator creates a neutron burst by accelerating tritium or deuterium to high speeds, causing them to collide and fuse. This fusion causes millions of neutrons to be produced. The neutrons help create fission reactions at the beginning of the fission explosion, increasing the efficiency of the trigger.

The outer shell consists of an arrangement of high-explosive lenses fused into the layer of foam. The next layer is a beryllium neutron reflector, the purpose of which is to reflect neutrons back into the fissionable material. Within this is a U-238 tamper, used to hold the reacting assembly together longer. Within this are concentric shells of plutonium-239 and U-235. In the center of the trigger is a core of

lithium-6 deuteride and tritium suspended in a framework of beryllium. The neutron generator projects up into this assembly.

The firing sequence is a complex affair. Each explosion must occur at the correct moment. In this two-trigger bomb there will be eight separate explosions within microseconds.

1. The lenses around each trigger detonate simultaneously, creating an implosion which reduces the assembly to one-half of its original size.

2. During the implosion of the trigger, the neutron generator provides an initial burst of neutrons to begin the fission in the U-235 and plutonium-239. The U-238 tamper holds the assembly together.

3. When the implosion shockwaves compress

See CLASSIFIED on page 6

If Howard Morland had had possession of a blueprint for a hydrogen bomb, he would have printed it, he said Thursday night in a speech at the Carolina Union.

"What I wanted to do was make the bomb real," Morland explained. "I wanted to explain how the mystique concerning the nuclear weapons started with the trial of the Rosenbergs and continued through McCarthyism to today."

"I wanted to get the whole story, classified or not," Morland said. He had access to unclassified material, but once he compiled the material it was deemed classified by the government, he said.

Morland outlined the Atomic Energy Agency's policy on classified material, stating that all information concerning the design, manufacture or utilization of nuclear weapons, even if not in government files, is classified.

"I guess that means that part of my head is classified," Morland said. "Putting unclassified material in some clever, unique way makes it classified." This is called the 'Born Classified' theory, he said.

Furthermore, the government can neither confirm nor deny any information on nuclear weapons, Morland said. Therefore, he said, the government cannot enforce its laws without breaking its own rules.

"I want to keep on hammering away on the Pentagon; I want to put the Pentagon out of business," Morland said in a press conference Thursday afternoon. He claims to want to reduce nuclear proliferation by opening the matter up to the public.

"Dissemination of information will allow us to take meaningful steps toward disarmament," Morland said in his speech.

Morland said he thinks the level of nuclear anxiety should be much higher than it is now. In the '50s, he said, there was widespread concern even though the threat then was theoretical.



Hydrogen bomb covered by a mystique...Howard Morland

The issue of prior restraint has detracted from the point he was trying to make, he said.

*The Progressive* article was scheduled to be printed on October 4, but the government is trying to have the case put back into U.S. District Court in Milwaukee where the judges are more pro-government, said Morland.

If this happens, the original gag order will still stand and the article will not be printed.

"We're a bit mystified right now as to what the government is trying to do," Morland said.