

# Interferon being tested by researchers at UNC

North Carolina's first human cancer test of interferon will begin this summer at the University.

Interferon, known as "IF" by scientists, is a natural substance produced in infinitesimal amounts by the body. Interferon seems not to damage healthy cells or produce bad side effects, scientists say, and it is effective in preventing or curing certain viruses.

Dr. John Whisnant of the University's Cancer Research Center said 15 to 20 carefully selected patients, probably with recently diagnosed lung cancer, would receive injections of interferon over a six-week period. He said the interferon trials would not preclude the use, if necessary, of more established and proven methods of treatment, such as surgery and radiation or drug therapy.

The clinical trials in Chapel Hill and elsewhere are a major step in the national effort to learn how interferon acts on human cancers and how future tests of its therapeutic value should be designed, he said.

Drug companies are calling interferon a potential gold mine, but most of the available IF is now obtained from the Finnish Red Cross and the Central Public Health Laboratory in Helsinki, which extract it from white blood cells separated from donated blood. The effort is so painstaking that researchers are barely

able to get their hands on enough to analyze its nature, let alone run significant tests on humans, according to a recent *Time* article.

"What we intend to do is learn more about how to use this material by carefully studying its biological effects in a group of patients we believe will benefit from it," Whisnant said.

Interferon test subjects must meet highly specific requirements. The choice of subjects usually is made from patients already under treatment at a center where interferon is being tested.

Test results show that interferon, which is released by cells that have been attacked by a virus, stimulates neighboring cells to produce anti-virus proteins needed to fight infection. The result is that the entering virus will not be able to replicate within the new cell, and even if it manages to reproduce, the virus is unable to leave the cell. The cycle of the infection then is broken.

Whisnant is a member of a National Cancer Institute committee that recommends how the severely limited amount of available interferon is used and how much is allocated to various research efforts. He stressed that only a portion of the interferon used here will be used for human trials.

## Exam schedule

All 11 a.m. classes on MWF  
All 12:30 p.m. classes on TTh

All 5 p.m. classes on TTh\*  
\* Busi 161, Comp 14, 14A, 16, 16A  
All 2 p.m. classes on TTh\*  
\* Educ 41, 54, 55

All 8 a.m. classes on TTh  
All 8 a.m. classes on MWF

All 9 a.m. classes on MWF  
All 5 p.m. classes on MWF\*  
\* Busi 177, Math 22, 30, 31, 32, Ling 30

All 9:30 a.m. classes on TTh  
All 12 p.m. classes on MWF\*  
\* Chem 170L, 171L

All 11 a.m. classes on TTh  
All 3 p.m. classes on MWF and all classes not provided for on this schedule

All 10 a.m. classes on MWF  
All Fren. Germ. Span and Port 1, 2, 3, 4; Russ 1, 2

All 3:30 p.m. classes on TTh  
All 1 p.m. classes on MWF

All 2 p.m. classes on MWF\*  
\* Chem 41L, 42L  
All 4 p.m. classes on MWF

9 a.m. Monday April 28  
2 p.m. April 28

9 a.m. Tuesday April 29  
2 p.m. Tuesday April 29

9 a.m. Wednesday April 30  
2 p.m. Wednesday April 30

9 a.m. Thursday May 1  
2 p.m. Thursday May 1

9 a.m. Friday May 2  
2 p.m. Friday May 2

9 a.m. Saturday May 3  
2 p.m. Saturday May 3

9 a.m. Monday May 5  
2 p.m. Monday May 5

9 a.m. Tuesday May 6  
2 p.m. Tuesday May 6

9 a.m. Wednesday May 7  
2 p.m. Wednesday May 7

# UNC major choices reflect money woes

By TED AVER,  
Staff Writer

Business administration is the most popular undergraduate major at Carolina, and its popularity reflects Carolina students' concern about finding a job, Gordon Cleveland, assistant dean of the College of Arts and Sciences, said recently.

According to data obtained from the Office of Records and Registration, 1,174 students are majoring in business administration.

"It's the times when jobs are scarce that everybody flecks to economics and business," Cleveland said.

Although business is the most popular major overall, political science is the favorite major in the College of Arts and Sciences.

Psychology with 351 majors, has been a popular program since the spring of 1973, according to University records. Its popularity also shows students' concern for the job market, Cleveland said.

"A lot of people who want jobs in business start thinking about personnel administration. A good entry to that work is a psychology degree," he said. Cleveland said when employment prospects are good, people major more

frequently in esoteric subjects. During the 1960s, when the economy was more prosperous, English was the most popular major at Carolina.

Many students who have constructed their own majors through the interdisciplinary program have done so out of concern about the job market, too, UNC Interdisciplinary and Experimental Studies Director Cynthia Dessen said recently.

Students in that program are turning to such majors as public relations and business communication, she said.

Before students are allowed to pursue an interdisciplinary study, they are asked to see if they can do what they want to do with a traditional major, Dessen said.

No curriculum proposal will be accepted if it comes within two courses of satisfying a major or double major in the College of Arts and Sciences.

Although there is no minimum grade requirement for students in interdisciplinary programs, they must demonstrate self-discipline and obvious academic ability, Dessen said.

"Students (in the program) have to sell their programs to employers. They must believe in what they're doing and be able to explain what they have done and why they think it's important," she added.

# Evening school asks student opinion

By ELIZABETH DANIEL  
Staff Writer

As a result of student protest over recent changes in Evening College regulations, the Evening College administration will work for better communication with students, Assistant Director of Extension and Continuing Education Lea Mitchell said recently.

But Mitchell also said that she still supports the Evening College changes.

Last week Evening College student Charles Poplin submitted a petition with more than 200 signatures to Chancellor Christopher C. Fordham III. The complaints on the petition centered on the lack of student input in Evening College changes.

The changes, which were approved by the Faculty Council Feb. 15, limited evening students to eight credit hours a semester and increased the number of semesters students must spend in the Evening College before transferring to another school within the University.

Student protest leaders Charles Poplin and Jane Clary met Thursday with Director of Extension and Continuing Education Dwight C. Rhyne and Mitchell to discuss the students' complaints.

Poplin said the meeting helped him overcome feelings of distrust for the administrators and also helped establish better communication with them. Some Evening College students now are beginning to work on a form of Evening College student government, he said.

Mitchell also said the meeting helped

her to understand the communication problem better. She said she believed the Evening College was on its way to finding a solution to its problem. She hopes to see the students work with orientation in the fall and become involved with the Evening College newsletter, she said.

However, Mitchell continues to support the rule changes. "I see them as a reaffirmation of the mission of the Evening College as a part-time institution," she said. "We can help the students to accomplish what they want within the rules."

# Committee holds forum to allow student views on SHS director

The advisory committee for the selection of a new UNC Student Health Service director is sponsoring a forum at 3 p.m. today in 217 of the Carolina Union.

The forum was set up to provide students with the opportunity to express their views on the SHS post and their expectations about the person hired to fill it.

Present SHS director Dr. James Taylor is resigning the position effective July 1.

The search committee, which was organized recently by Vice Chancellor for Student Affairs Donald Boulton, is chaired by Campus Y Director Edith Elliott. Other members are School of Public Health chairman Guy W. Stewart, SHS physician Joseph MacFarland, medicine professor William Blythe, sophomore Katherine Pointer III, senior

James Bell and graduate student Gail Doss.

The group will meet weekly to discuss prospective candidates for the SHS directorship. Candidates send in applications for the committee to review. From those the committee will make a recommendation to Boulton, who then will pick a new director.

"We are doing a national search and we are open to receiving applications from the present SHS staff," Elliott said.

The committee foresees no problem in finding willing candidates for the job, she said.

"This is a very attractive campus and we have probably the best facility in the nation thanks to Dr. Taylor," she said.

Elliott said that the most important quality for a new director is that he be student-oriented.

—ROCHELLE RILEY

# NROTC's parade draws protesters

The UNC Naval ROTC battalion held its annual spring march downtown Monday afternoon without interruption despite the presence of several anti-draft protesters.

Four persons carrying signs stating their opposition to President Jimmy Carter's plan to reinstate draft registration appeared as the parade passed the Morehead Planetarium. The protesters did not disrupt the march.

Adrian Halpern, a spokesman for the protesters, said the protesters originally planned to meet the ROTC members at the beginning of the march. Halpern said he had expected the protest to attract more participants.

"We were hoping to get more people on the way downtown," he said.

The four protesters who did participate were carrying signs that had been used in the recent anti-draft rally in Washington.

"We basically wanted to protest the reinstatement of the draft," Halpern said. "When Congress gets the wheels grinding for the draft, you'll see a lot more of the signs."

Some of the protesters approached some of the ROTC marchers who were their fraternity brothers.



Naval ROTC holds annual spring march ...draft protesters in background

Maj. Wayne Gardner, marine officer for the UNC Naval ROTC, said the battalion's march is held every fall and spring.

The ROTC parade began at the Naval ROTC Armory on Columbia Street and turned onto Franklin Street. The battalion then marched through campus on Raleigh Road.

—SUSAN MAUNEY

# Students charged in bomb threat get second continuance in court

George Spencer Brown and Richard Cooper III, the two UNC students arrested for allegedly calling in a bomb threat to Hamilton Hall March 13, were granted Tuesday a second continuance of their case until May 6.

The continuance was granted in Orange County District Court.

Cooper and Brown were given their first continuance on March 25 because Brown needed more time to prepare his case, Chapel Hill attorney Lee Culpepper said.

Brown and Cooper were given the second continuance because they needed to have court-appointed attorneys, said Culpepper, who was formerly Brown's attorney. Culpepper said he had no objections to representing Brown, and that his services were released for financial reasons.

—STEPHANIE BIRCHER

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