

The Daily Tar Heel

Serving the students and the University community since 1893

Escape

Irish children, Protestant and Catholic, leave Belfast violence to spend five peaceful weeks in Greensboro this summer. See story, page 10.

Mellow yellow

It will be mostly sunny today and tomorrow, with high temperatures near 90 and low temperatures tonight in the 60s.

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News/Sports/Arts 933-0245
Business/Advertising 933-1163

Rental firm stirs fuss with offer

By MARK SCHOEN
DTH Staff Writer

Although its impact on UNC students who have signed contracts has not been determined, an incident in which a privately-owned rental service solicited refrigerator rentals without the University's permission has been resolved, a Student Affairs official said Wednesday.

The company, Student Services Co. of Arlington, Va., has been told that its solicitation on Aug. 22 was in violation with a state law that prohibits commercial solicitations on campus without a permit, said James O. Cansler, associate vice chancellor for Student Affairs.

"It's cleared up in the sense that they understand the policy," Cansler said. "We said they're free to advertise in newspapers or by mail, but they were not free to come on campus and solicit."

The problem began, Cansler said, when the company delivered to students leaflets advertising the rental service.

Later, Parker Residence Hall staff members challenged the representatives of the company who were attempting to deliver refrigerators to students.

"Apparently the driver called the owners and then left," said Jody Harpster, an associate director of University Housing. "But that was already after they had delivered some."

"They were asked to leave the campus by the campus police and they did," Cansler said. "If they had stayed, then they would have been arrested."

It could not be determined immediately how many students had rented refrigerators from Student Services or how the incident would affect any contracts that have been signed.

A representative of the company said today that the incident was the result of a misunderstanding and had been cleared up.

"Obviously UNC was more strict about its licensing," said Paul Jost, president of Student Services Co. "He (Cansler) made the regulation clear to us. Now we know the rule, and I think we have resolved it."

Jost said his company would seek advertising through newspapers and by mail in an attempt to continue refrigerator rental on campus.

"From what I understand, we're allowed to make the deliveries, but not put up the leaflets," he said. "We're allowed to deliver, but we have to get the orders through the students calling us, not through leaflets."

Cansler likened the situation to restaurants that deliver orders on campus.

"The distinction is that the restaurant is free to deliver at the request of the student," he said. "They are not free to set up a stand and say 'call us.'"

"They can't go through the dorm and solicit," he said.

The regulation was adopted to protect students from businesses of unknown credibility, Harpster said.

"We have to make sure that the business could be dealt with if there was some trouble with the service," he said. "If people have trouble with some unlicensed company then we run the risk of not being able to get in touch to solve the problem."



Ben Ferguson uses pipe detector to find gas line on Estes Drive ... line had to be found before water break could be fixed

DTH/Scott Sharpe

Three breaks in mains cloud area water supply

By JOHN ROYSTER
City Editor

Three unrelated water pipe breaks during a 24-hour period Tuesday and Wednesday caused many Orange Water and Sewer Authority customers to have murky water, and one of the breaks forced the closing off of much of Chapel Hill's Estes Drive.

A Wednesday morning break caused murky, though still safe, water to flow from faucets over much of the UNC campus and the residential neighborhoods to the immediate west of it.

Two of the breaks were caused by contractors digging near water mains, and the third was caused naturally, said Wayne Munden, OWASA's chief engineer. All three were in the Chapel Hill-Carrboro area.

The first break occurred about 4 p.m. Tuesday on Smith Level Road south of Carrboro, Munden said. A crew installing a sewer main near a water pipe caused the pipe to give way.

Munden said the crew did not actually strike the pipe in digging about a foot away from it, but that the change in land pressure resulting from the digging evidently caused the break.

The second break, the one that caused students to discover brown water in their sinks and toilets Wednesday, occurred

when a construction crew working on Carrboro's Jones Ferry Road bikeway project struck a pipe Wednesday morning.

The crew was digging in front of the PTA Thrift Shop, off Jones Ferry at its intersection with Main Street.

The pipe is a feeder main to the University campus, explaining why there was water difficulty from the break to the campus.

Such a break, Munden said, causes velocity of water flowing through pipes to increase, with the faster water picking up more residue from the lining of pipes, resulting in murkiness.

"(The water) doesn't look good, but it's safe enough," Munden said. "It's still treated water — it's pure."

He said all pipes of any similar surface unavoidable had some of the residue.

"It's like setting a rain bucket out in the yard," he said. "When you pour it out, you can see a residue."

OWASA did not, however, recommend the water for such uses as washing clothes.

The third, and evidently the most fear-some-looking break occurred just after 4 p.m. Wednesday on Estes Drive in Chapel Hill, between Granville Road and Mills Drive. It actually caused little service interruption and discolored water.

The break occurred beneath the street,

causing police to close off Estes from Granville to Franklin Street while OWASA crews did repair work.

Chapel Hill Police Officer M.L. Hayes said there was traffic backup along Estes Drive until the department put in a call to local radio station WCHL, which began broadcasting traffic warnings.

The break was repaired and the street reopened last night.

Water to a few customers in the residential neighborhood north of Franklin Street was cut off for the duration of the repairs.

The Tuesday break on Smith Level Road caused a service interruption for customers south of State Road 1994 (the Grey Culbreth Junior High School Road), as OWASA crews shut off valves to make repairs.

Hydrants were opened along lines beyond the breaks to flush the lines after repairs were made.

Munden said breaks such as these three were not an unusual occurrence in any water system.

"It's not anything unusual, except for the fact that we got (the three breaks) bang, bang, bang," he said. "A couple of years ago we had four or five one night."

"I had my druthers, this would never happen," Munden said. "You wouldn't ever have a flat tire or run out of gas, either."

Voyager 2

Flow of photographs interrupted

The Associated Press

PASADENA, Calif. — Mechanical trouble aboard Voyager 2 interrupted the flow of stunning and revealing photographs from Saturn Wednesday, but scientists said that the mission was still a "high-percentage success."

A platform carrying Voyager's cameras apparently got stuck, limiting the cameras' aim, and project controllers could not fully analyze the problems until they received crucial tape recordings at midmorning, a spokesman said.

Controllers noticed the problem shortly after 2 a.m. as soon as radio signals with the craft were transmitted once Voyager passed from behind Saturn as seen from Earth, project spokesman Alan Wood said.

He said scientists hoped to learn from the tape recording made when Voyager 2 was behind Saturn the extent of the platform problem and also whether it occurred before several crucial pictures were taken.

"We can't point the cameras at the proper targets," Wood said. "The other instruments are working. It's just the optical instruments that are pointed by the platform."

Although many of the critical close-up transmissions were received as Voyager 2 approached Saturn, "there were some crucial pictures taken during the ring-plane crossing which we hope is on the tape-recording. That is not quite clear yet," Wood said.

As it raced away from Saturn Wednesday, the one-ton robot explorer began a five-year journey to distant Uranus, a world never seen at close range. Until the ship arrives in January 1986, no other planet will be explored before the Ameri-

can spacecraft. Voyager is also headed for a 1989 tour of Neptune.

Until Wednesday's hitch, the project had been proceeding well.

"I think it is the most flawless, perfect encounter I've ever been through, and I've been through a lot of them," Voyager project manager Esker Davis said after the spaceship made its closest approach to Saturn late Tuesday night.

After traveling across nearly 1.5 billion miles of space since it left Earth Aug. 20, 1977, the ship arrived within 30 miles of the bull's-eye just 3.1 seconds early, Davis said.

"It's a high-percentage success," Wood said. "Until we know exactly what we have on that record we can't say for sure. The going-away observations by the optical instruments are jeopardized."

Crowd at planetarium sees satellite's pictures

By SUSAN HUDSON
DTH Staff Writer

"You could hear a pin drop," Planetarium Director Tony Jenzano said of the crowd gathered to see fly-by shots of Saturn from Voyager II. "They seemed to be awe-struck by what they saw on the screen."

There were people crowded into the planetarium and sprawled over the lawn outside to watch the program on two TV monitors. Jamie Johnson, one of those seated casually outside, paused from watching the screen and said, "It's great that it's available on campus and that it's free."

"It's really great," Van Johnson agreed. "But it's a shame that it's the last mission," he added.

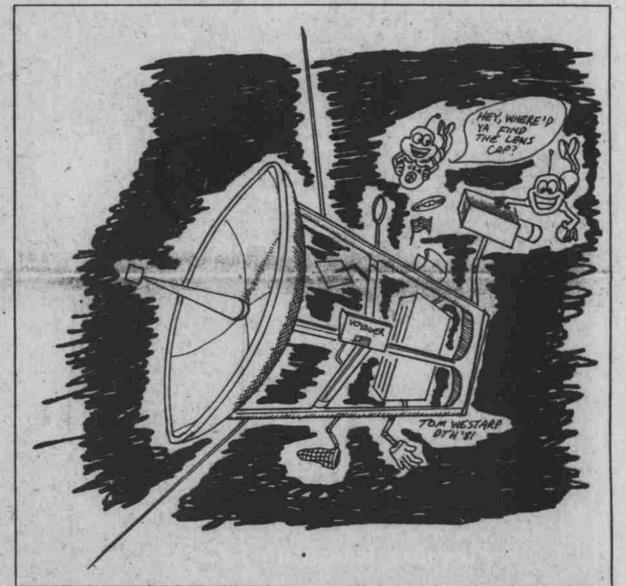
Chris Price, one of the people closest to the screen — in fact, he was on the

front row — was more enthusiastic. "The pictures are fantastic!" he said.

An estimated 1000 people crowded into Morehead Planetarium or sat on the lawn directly outside to watch the shots from Voyager II Tuesday night.

The people at Morehead took advantage of the last opportunity for at least five years to see close-up views of other planets. After its encounter with Saturn, Voyager II will not transmit any more planet photographs until it approaches Uranus in 1986.

A possible equipment malfunction or damage from flying particles now has the camera on the Voyager II satellite pointed toward outer space instead of its target, Saturn. But this development will not keep the Morehead Planetarium from presenting its scheduled program "Saturn Encounter" at 8 p.m. tonight and Friday. Jenzano said that if live pictures were not available, computer enhancements of pre-



vious footage would be shown and discussed by commentators.

Live pictures from the satellite go through a complicated process to reach viewers on Earth. First, the pictures are relayed from Voyager II to four deep-space network stations. Then the signals go to the Jet Propulsion Laboratory in Pasadena, Calif., where they are transmitted to Satcom I. Cable networks around the world receive the pictures from Satcom I. Locally, the pictures can be seen on Village Cable Channel 18 or at the Morehead Planetarium.

The moons Iapetus and Hyperion were the main attractions for Monday night viewers. They also witnessed the mysterious formation of black spokes in Ring B of the planet. As yet, scientists have no explanation for this phenomenon.

Tuesday night's broadcast provided viewers with a higher resolution look at the rings in full sunlight. The star Delta Scorpii was occulted during the Tuesday

program. "During the occultation of a star, the star will appear to move behind the rings when in fact Voyager is moving," Jenzano said. "The intensity of the star will help determine the number, size and density of the rings," he said. "The amount of knowledge to be gained..." He sighed and shook his head. "It's hard to express," Johnson said.

Kathi Johnson, who recently sat in on a conference at the Jet Propulsion Laboratory, said, "It's so frustrating. They have funding just cut out from them." And with that, she suddenly took the book in her hand and bit its corner in frustration.

Cleaning



'North Carolina 2000' looks at the future of the Tar Heel state 19 years from now

By KATHERINE LONG
DTH Staff Writer

What will North Carolina be like in the year 2000?

A state project, North Carolina 2000, has started work that will try to answer that question, program spokesmen said recently.

North Carolina 2000 is the idea of Gov. Jim Hunt, who started the program when he called the state's Goals and Policy Board together last December to start the project. Since that meeting, the board has compiled a state workbook that makes predictions about the state's future based on current trends, said Elaine Matthews, policy analyst with the state Division of Policy Development in Raleigh.

The workbook, being circulated this month, is only the beginning of the year-long project. But a view of the state's future is already beginning to take shape.

The workbook predicts that the state's population will by then be 7.7 million

people, 1.8 million more than now. "And that's a bunch of new folks to account for," Matthews said.

One startling prediction in the report concerns the state's elderly population: By the year 2000, 71 percent of the state's residents will be 65 or older. "Once you see these trends you start asking, 'What does it mean in terms of health care?'" Matthews said. "Do your values shift slightly?"

The workbook says the amount of farm land will shrink and that the size of households in the state also will become smaller.

"Jobs will be a real question," Matthews said, pointing out that the workbook reports that 950,000 new jobs will have to be created. And, as technology continues to change rapidly, job training will have to change, too, she said. "How do we educate our people for jobs that don't exist now?" Matthews asked.

Matthews also said the project was needed now. "We're all beginning to re-

alize limitations of the government as responding to people's needs," she said.

UNC has already been involved with the preliminary findings of the reports of North Carolina 2000. Revisions of the first state workbook have been made by officials of each of the 16 institutions in the University system.

"We added another consequence here and there," said Vice President for University Relations Rollie Tillman, who coordinated UNC-Chapel Hill's responses. "It was very much an abbreviated response," she said.

But the University may become more involved with the project if, as expected, a University official is appointed to the 50-member Commission of the Future that Hunt is forming.

The commission will use the workbook as a basis for discussions about what will happen to the state in the future. The commission also will work with local committees and the Committee of 100, a

special group made up of project representatives from each of the state's counties. "They'll be feeding into one another" with questions and responses, Matthews said.

Voters of the state will be given a chance to voice opinions next spring with a ballot asking citizens to list what they think will be the most significant issues in the year 2000.

"Really, it's a people project," Matthews said. "People all across the state will participate in the process."

If the right funds come through, college students may be challenged with a speech contest on possible issues developing in the next century, a spokesman in the youth involvement office said.

The project will culminate in September 1982 with a statewide convention. The convention will produce a document that will present a picture of North Carolina in the year 2000, "outlining major goals, priorities and things to be acted upon," Matthews said.