

Municipal building slated to expand

By KATHRYNE TOVO
Staff Writer

A ground breaking ceremony was held Monday for a \$3 million construction project to expand the Chapel Hill Town Municipal Building.

The expansion will include construction of a parking deck and a 16,000 square foot addition to the existing building.

The new addition will blend with the style of the existing building, but will be more modern in design, Dan Huffman, of the architectural firm Hager, Smith and Huffman, said.

The addition will substantially increase office space for the town departments that are housed in the

existing building. "There is not enough office space (in the existing building) for the town departments to operate in," Assistant Town Manager Sonna Loewenthal said. "There is not enough room to work, little privacy and importantly, no reception area for the public."

There is also inadequate space in the existing town council chamber to accommodate the community members who attend the meetings, Loewenthal said.

A new council chamber will be built on the first floor of the new building and will have 150 seats, more than doubling the seating capacity of the room that is now used for council

meetings. Huffman said the chamber will have fixed auditorium seating on a sloped floor to provide better visibility for the audience.

A deck will be built adjacent to the chamber room to provide additional space, if needed, Huffman said. The deck will be outside the building, but will be equipped with speakers.

The other two floors of the new building will hold the town administrative offices and the development-related offices.

Construction began last week on the parking deck and the foundation of the new building.

The double level parking deck will

increase parking by 54 spaces, and will bring the total parking capacity to 126 spaces for the facility.

Project Manager Tim Simmons of the architectural firm of Hager, Smith and Huffman said he expects the project to take approximately 15 months.

While the construction is taking place, 50 parking spaces will be eliminated from the building's parking lot. During this period, parking is being relocated to other sites in town.

After construction is completed, the existing town building will be gutted and the offices will be renovated, Simmons said.

City Police Roundup

In Carrboro:

■ An accident occurred Saturday morning on Smith Level Road, and the driver of one of the cars was charged with failure to reduce speed and DWI. Lisa Ann Meachan struck another vehicle in the rear as it attempted to make a turn.

■ A man reported to police that he had given his neighbor a stereo phonograph/AM-FM/8-Track system on the condition that he pay him later. On Saturday, the neighbor returned the stereo, saying he could not pay for it. The man reported that the tone arm was broken, one of the speakers did not work and the tuning knob spun freely. Police advised the man to contact a social worker.

■ Someone entered a residence on Laurel Avenue between Saturday morning and Sunday night by breaking out the bathroom window. The thief took 17 Nintendo games and a yellow Superman case containing several action figures. Total value of toys taken was estimated at \$695.

In Chapel Hill:

■ An officer on foot patrol Saturday arrested a Chapel Hill man in the loading zone on Henderson Street. The officer observed Brian David Hoel lying on top of another man. The report said Hoel then began beating the other man's head on the road. Hoel was charged with being drunk and disruptive.

■ A Timberlyne Road resident reported Friday that someone had dug up his drain line from his downspout. Apparently, some dogs chewed on the line too. The man talked with his neighbors, but found nothing. Total damage was estimated at \$20.

■ Police went to U.S. 15-501 Friday night after receiving several reports of juveniles dressed as clowns impeding traffic. The juveniles left the scene.

■ Two males caused a disturbance Saturday at University Square. One of the males told police his friend was screaming and crying because he did not get into UNC. They left the area and no charges were filed.

— compiled by Larry Stone

Dentistry school to test new system

By JASON KELLY
Staff Writer

UNC's School of Dentistry is one of two research sites in the world testing a new machine that uses computers and a three-dimensional camera to help make ceramic fillings.

The computer-assisted design and machining system, known as the CEREC system, is being tested for the first time in the United States.

UNC was selected as a test site because of its reputation as one of the best dental research facilities in the world, said Dr. Harald Heymann, associate professor and acting chairman of the Operative Dentistry Department of the UNC dentistry school. Heymann is the principle researcher conducting tests on the new machine. The system is also being tested at the University of Alabama at Birmingham.

The system takes a television picture of the cavity already hollowed

out by conventional methods and displays a three-dimensional image on the computer screen, said Martha Lisk, manager of Operative Research at the dentistry school. From this image, the CEREC computer directs its milling equipment to grind a block of ceramic material into a filling, called a ceramic inlay, that is the exact shape of the cavity.

Lisk described the CEREC system's camera as "a wand which the dentist holds over the drilled tooth." From the three-dimensional image the wand records, the CEREC's computer can tell the depth, width and precise contours of the cavity.

The dentist must still hollow out the decayed part of the tooth with a conventional air drill before the CEREC's ceramic inlays are glued into the cavity, Lisk said.

The system is similar to other computer-assisted design tools, but

uses more precise specifications, Heymann said. "A lot of car manufacturers use the CAD-CAM (computer-assisted design and machinery), but we need to be more precise. We work in microns," he said.

The system was developed at the University of Zurich, Heymann said,

and is now being manufactured in West Germany by Siemens, an electronics company.

Heymann not only likes the CEREC system because of its practical and technological value, but also because it's fun to use, he said. "It's like a doggone video game."

Fund set up for lectures on social justice

By DEIRDRE FALLON
Staff Writer

A UNC professor has donated \$50,000 to establish a fund for bringing scholars in social justice to the University.

Cecil Sheps, professor emeritus of social and administrative medicine, created the fund to bring a speaker to UNC every year who has made a contribution to the understanding of social justice.

Sheps said his first consideration in establishing the fund was to donate money expressing his appreciation to the University, where he got his

academic start. Sheps said his second consideration was the use of the money. "I thought it would be helpful to draw attention to social justice."

UNC Provost Dennis O'Connor said speakers in social justice might include a Supreme Court Justice, a philosopher or someone involved in human rights.

"This affects philosophy, arts and humanities — a wide range of disciplines," O'Connor said. "It adds enrichment to campus life in the ways any guest lecturer who comes to campus does. It's an interesting, very timely subject."

The money will be available to any department or school on campus, although departments involved in social justice, such as the sociology department or school of public health, would be more likely to request a speaker's visit, he said.

The scholars will visit UNC for a week and will conduct seminars, lectures, and possibly public lectures, all at the discretion of the department that invited the speaker, Sheps said. Students, in addition to faculty, would be able to attend lectures given by the visiting scholars, he said.

"The whole idea is that the scholars

will be generally available to the students," he said.

Political science professor Lewis Lipsitz said, "The potential is tremendous, depending on who we get because it's a perennially interesting topic."

Ronald Link, acting dean of the Law School, said the program would include a broad range of speakers and issues. "It serves a useful function to bring in new ideas and focus attention on the issues."

Sheps said there should be enough income at the end of the year to be able to invite a scholar next year.

Members vote today in BSM officer elections

The Black Student Movement (BSM) will hold its annual officer elections today. All BSM members can vote at the Black Cultural Center in the Union from 10 a.m. to 3 p.m. and in Chase Hall from 4 p.m. to 8 p.m. Junior Kim McLean is the only

candidate on the ballot for president. Junior Tonya Blanks is running unopposed for re-election as vice president.

Junior Chanda Douglas is running for re-election as treasurer, and junior Lisa Schaeffer is running for secretary.

Band to perform traditional Celtic music

By RANDY BASINGER
Staff Writer

When you're looking for something to make you tap your toes or to bring a lump to your throat, the Boys of the Lough, one of the best Celtic-oriented bands in the world, will perform at the ArtsCenter in Carrboro Wednesday at 8:30 p.m.

The performance will mark the first appearance at the ArtsCenter for this band of Scottish musicians. The group mixes guitar and piano with folk instruments such as the wood flute, uilleann pipes, tin whistle, fiddle, mandolin and banjo. The Boys perform Celtic traditional music, including that of Ireland, Scotland and the Shetland Isles, with each performance consisting of jigs, hornpipes, reels and songs dating as far back as 1690. In addition, the Boys perform original compositions by members of the group.

The Boys of the Lough are Dave Richardson of Northumberland, England, who became interested in the rich musical background of his native land when he was 15; John Coakley, who began his interest in Irish traditional music in his teens and studied music at the University of Cork; Cathal McConnell, who is one of the best flute and whistle players in Ireland and carries a tradition of flute players through four generations

of his family; Aly Bain from the Shetland Isles, who began playing the fiddle at the age of 11; and Breannan O'Beaglaioich, who is filling in for Christy O'Leary.

The group has recorded 17 albums together, with two recordings, *In The Tradition* (1983) and *Open Road* (1984), receiving nominations for Grammy Awards. The Boys have also appeared on Garrison Keillor's "Prairie Home Companion," broadcast on National Public Radio. They were broadcast live on Scotland's ITV in a 1986-87 New Year's Eve performance, and several of their original songs were included in the soundtrack of the Australian television movie, "Reflections."

"The music they play is beautiful," said Bett Wilson of the ArtsCenter. "They have a diverse collection of jigs and reels and can go from sweet lullaby-type music to a more upbeat sound."

The performance is a part of the fourteenth U.S. tour by the Boys of the Lough, who will also make appearances in Wales, Belgium, France, Sweden, Denmark and Japan. You can enjoy their music yourself and become a part of the Celtic craze that has been rising in this country for the past few years.

Tickets are available in advance for \$12. For more information, call 942-ARTS.



Boys of the Lough will play Wednesday night at the ArtsCenter

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EPA lab

Bondurani. "They have needed much-expanded facilities."

The temporary buildings that house the labs now are too small, Bromberg said. "It's become so crowded there's not enough room for people on board to do what they need to do."

UNC faculty and graduate students use the laboratories for both independent projects and joint projects with EPA scientists, Bromberg said. This was what convinced UNC administrators to request the new building, said Bondurani.

"They (the EPA labs) do add academic opportunities which otherwise wouldn't be present," he said.

"They have facilities here that are unique to measure the effects of pollution."

The EPA labs here focus on the research of atmospheric pollutants, said Bromberg. "They have special experiment chambers where air can be monitored and controlled, and various types of pollutants can be introduced."

"They can reproduce the (atmospheric) conditions of the L.A. freeway, or of I-40, for that matter," said Bondurani. The pollutants researched include carbon monoxide, ozone and cigarette smoke, Bromberg said.

The need for experimental safety

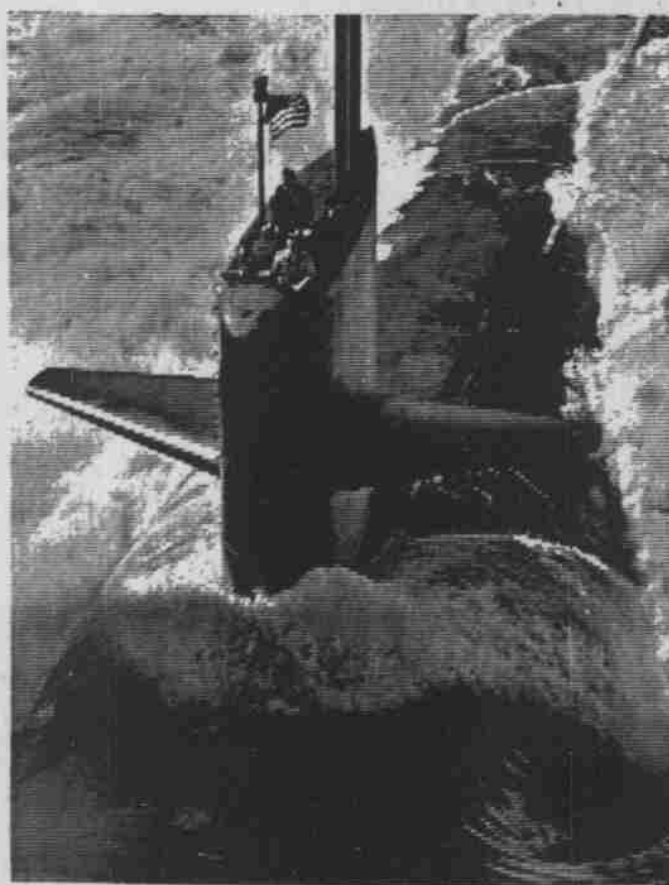
also prompted the proposal for the new building. "You need a substantial amount of special facilities to conduct that kind of research in safety," said Bromberg. The chambers need safety back-up systems in case experimenters lose control of the amount of pollutants in a chamber, he said.

"We have rapid venting systems so that you can abort the experiment immediately and get rid of the (polluted) atmosphere very, very rapidly," Bromberg said.

The new building will have a variety of exposure chambers, basic science labs and labs especially suited for the study of human subjects, Bromberg said.

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