### **CAMPUS** and CITY

### City BRIEFS

#### **Employment group** to hold open house

The Employment Security Commission is having an open house and awards ceremony Tuesday, Oct. 30 from 2 p.m. to 4 p.m. Members of the community are invited to learn more about vocational rehabilitation and employment security.

The Employment Security Commission office is located at 110 West Main St., Carrboro. Those planning to attend should call the office at 967-1077.

#### G'LITTER DAY to be held this weekend

Cleanscape of Chapel Hill is sponsoring the semi-annual G'LITTER DAY, an all-volunteer roadside cleanup, Saturday, Nov. 3 from 9 a.m. to 12

Volunteers are asked to meet at the Chapel Hill Department of Public Works on Municipal Drive off Airport Road. Safety vests, gloves and trash bags will be provided.

#### Polish food, dancing featured at Cary event

The Polish American Club will hold a dinner and dance from 9 p.m. to midnight Saturday, Nov. 10 at the Cary VFW on Reedy Creek Road.

The dinner will feature traditional Polish food, such as pierogi, kielbasi and golabki. The Brassworks Band will provide the music. For tickets and information, call 929-1244.

#### Parks department announces schedule

The Chapel Hill Parks and Recreation Department has announced its upcoming events.

On Saturday, Nov. 17, there will be a two-hour session about Earth education. The day will include an "active" outdoor walk and concludes with a slide show on Sunship Earth, a earth education program for upper elementary

This session should interest classroom teachers, outdoor instructors, youth leaders and environmental educators, although the general public is strongly encouraged to attend.

The session is scheduled for 10 a.m. to 12 noon at the Umstead Center at Umstead Park in Chapel Hill. Call 968-2784 to pre-register for this free pro-

■ The rec department is sponsoring introductory rock climbing classes this winter. The first is scheduled for Saturday, Dec. 8 from 7:15-9:30 p.m.

During the session, participants will learn basic information about harnesses, delay systems, equipment and climbing

techniques. Anyone 13 years old and up can participate, and the fee is \$8 for residents and \$9.50 for non-residents.

■ The rec department is also sponsoring a tour of the Duke Primate Center Saturday, Dec. 15 at 3:30 p.m.

All ages are welcome, but children under 12 must be accompanied by an adult. Children under 12 will not be allowed through the indoor part of the tour, approximately the last 20 minutes, due to federal health regulations.

All participants must pre-register with CHP&RD to attend. Orange County residents will get priority for the tour

#### Agendas

#### **Chapel Hill Town Council**

The Town Council will meet at 7:30 p.m. Monday in the council chamber in the Municipal Building. The meeting will be televised live on Carolina Cable

The agenda includes discussions on the Northside land-use plan amendment, the single-family/duplex/rooming house development ordinance text amendment and the thoroughfare plan. The council will consider alternate resolutions concerning the 1985-2010 Durham-Chapel Hill-Carrboro thoroughfare plan.

The council will also talk about the design for the N.C. 86 and South Columbia corridor. It will consider a resolution authorizing the town manager to proceed with design studies for lane improvements and widening options on South Columbia Street.

Discussion about rural buffers is also on the agenda. The council will consider a resolution about amendments to the joint planning agreement and the joint planning land-use plan. It will also consider a resolution requesting technical assistance from the Orange Water

and Sewer Authority. The council will also discuss hotel/ motel tax allocations. It will consider alternate resolutions authorizing the manager to enter into performance agreements for visitor information ser-

vices and support of cultural events. The Carrboro Board of Aldermen does not meet this week.

# Basketball ticket distribution policy to change

By YU-YEE WU Staff Writer

Diehard basketball fans will have to trek down to the Smith Center on Tuesdays instead of Sundays to pick up tickets for most non-conference games because of a change in the basketball ticket distribution policy.

The Carolina Athletic Association (CAA) usually gives out basketball tickets for two games on one distribution day, but not all students use both game tickets, said Vonda Hampton, CAA ticket co-director.

"Last year, it was common practice

(conference game) and a small game," Hampton said. " But students would only go to the big game. It was obviously a problem that lots of the seats were empty for the smaller games, even though the tickets had been picked up."

This problem left a limited number of undistributed student tickets to sell and lots of vacant seats to fill, she said. A specific list of distribution dates and games is available in the CAA

office in the Union. Adding Tuesday to ticket distribution days was the only change in the policy from last year, she said. Tickets for

"The Athletic Department was hoping that by pairing smaller games together, or basically, by not pairing them with big games, that they could solve that problem of having empty seats,"

Hampton said. The initial proposal was to have a separate distribution for each game, but it was not feasible.

"An original idea was to have single distribution for each game, but that is a lot of times for students to come down to the Dome and there weren't enough Sundays to have single distribution," Hampton said. "So we decided to pair a

couple of conference games, to pair a couple of small games and to put some distribution on Tuesday. Tuesday is just a random day that we chose."

The decision was not just based on the size of the games but also with when the game is, she said. Sometimes they fall on a holiday, and other times, they fall during exams, she said.

No numbers will be given out for Tuesday distributions, because students are not expected to camp out or line up

for those games, Hampton said. The first Tuesday ticket distribution is Oct. 30 for the West Germany and the

San Diego State games.

In the past, students have not brought all of the necessary identification, Hampton said. "We're having a big problem with students not beinging the proper identification for tickets," she said. "Students must bring a photo ID, registration card and athletic pass for each ticket or they will not get a ticket," Hampton said. Each student can only pick up two tickets.

Ed Dolby, a junior from Charlotte, said he preferred the former distribution policy. "I understand what the CAA is trying to do, but from a student standpoint, I would rather pick up as many tickets at one time as I can," he said.

## to pair ticket distribution for a big game conference games still will be distributed UNC, Columbia U. join forces to build powerful telescope

By BRIAN GOLSON Staff Writer

The UNC physics and astronomy department is working with Columbia University to build one of the world's largest and most powerful telescopes.

The Southern Observatory for Astronomical Research (SOAR) project includes building an advanced fourmeter telescope capable of producing the best image quality possible.

The telescope will be built in Cerro Pachon, Chile, which is a well-known astronomical site.

Astronomy professor Bruce Carney said the telescope "would ultimately be one of the most important telescopes to astronomers anywhere." The telescope's ability to aid and focus research will help UNC attract the nation's most distinguished faculty in astronomy and

The telescope will be among the largest in the world. New technology will allow the telescope to produce better images than any other telescope. Active optics, the primary technology behind the SOAR project, allows computer control to better adjust the telescope under changing conditions. These automatic adjustments will produce images that are 10 to 15 times clearer than those of most telescopes.

Despite its location in northern Chile, students and faculty will have easy access to the telescope. Monitors and computer control of SOAR will be placed on UNC's and Columbia's campuses. Morehead Planetarium will

By TIM BURROWS

Members of Delta Zeta sorority have

been waiting for their house to be fin-

ished, but they still have a while to go

before their patience will be rewarded,

The house was supposed to be ready

Oct. 1, but because of delays, members

may not be able to move in until the end

of this semester or early in the spring

Delta Zeta President Alisa Carrigan

Delays have plagued the construction

Summey said some of the delays

were inevitable, such as Hurricane

Hugo. The storm interrupted availabil-

ity of building supplies and caused

But bureaucratic requirements for

Before construction could start,

Chapel Hill officials required soil and

water tests on the site. The sorority had

to send members to tree maintenance

"They now know how to take care of

Because the house has three stories,

the sorority had to install equipment to

provide handicap access, Summey said.

Parking for all 40 residents and guests

also had to be considered in the con-

all our trees," Summey said. The house

was built around certain trees that could

building a house also caused many

said, "No definite date has been given to

of the Delta Zeta house since the March

ground-breaking ceremony.

substantial price increases.

not be cut down, she said.

problems, she said.

said member Heather Summey.

semester, she said.

probably be the site for UNC's location. Thomas Clegg, chairman of the

physics and astronomy department, said this access would allow the telescope "to be an extension of the UNC campus in Chile and, due to new communications technologies, would not require faculty or students ever to leave Chapel Hill while using the telescope."

The department is able to support the SOAR project because of its ability to redirect research and growth at the University, Clegg said. The telescope will benefit the entire UNC system because of its effects on education and research for students and teachers throughout the state.

The total cost of the project is estimated to be about \$17 million, with UNC and Columbia each raising half of the total cost from private contributions.

About \$1 million has already been spent on the first stages of the project. The University is still searching for large donations to make the project possible. Carney and Clegg said they were optimistic about fund-raising possibilities for the project.

The projected completion date of SOAR coincides with the University's bicentennial.

Carney said it was important that the completion of the project coincided with the anniversary of the first student's admittance at UNC, because in 1825 UNC became the first American university to open an astronomical obser-

Inspections also complicated the

construction. Each stage of the con-

struction had to be inspected before

building could continue, and many of

the inspectors were slow to respond to

During fall rush, an insulation in-

While waiting for the inspector,

building almost ground to a halt. The

sorority was unable to give rushees tours

through the house until the inspector

On top of these problems, a large

Sorority members are not daunted by

the cost, Summey said. The National

Delta Zeta chapter has arranged for the

mortgage and will hold the actual deed.

Chapel Hill Delta Zeta members will

for housing for members scheduled to

the Omni Europa Hotel, members now

are lodged at Foxcroft Apartments.

move into the new house in October.

The national organization is paying

After staying a month and a half at

The outside of the house is almost

Carrigan said Delta Zeta members

were very excited about the completion

of the house. "We haven't needed a

house to have a close sorority, but its

addition will enhance our sisterhood."

finished, and much of the work is taking

place in the interior, particularly on the

pay rent to the national organization.

factor in the construction delays is the

house's size. The house has 10,000

square feet and cost \$1,000,000.

spector took two weeks before coming

requests for inspection, she said.

to the site to approve some work.

Sorority house completion

date still plagued by delays

#### Growing senior citizen population may bring need for more services Phyllis Peltz, a Chapel Hill senior for a senior center by the year 2010," By NICOLE PEREZ Tyler said.

Sheer energy

The Nylons, an a cappella group which scored a hit song

with "Kiss Him Goodbye," performs at Stewart Theater

The senior citizen population of Chapel Hill and Carrboro will grow 103 percent by the year 2000, said Janice

Tyler, a spokesperson for the Orange County Department on Aging. Because there are a large number of people older than 60 in the Chapel Hill area, many public officials think the

community is in dire need of increased programs for seniors. "We've outgrown everything we have here. The population is growing and we need to ensure something adequate for them," said Melody Trent, the Senior Center specialist for the Chapel Hill Parks and Recreation De-

partment. A public hearing, scheduled for Nov. 14, will allow the members of the community to express their opinions regarding the development of a community senior center for southern Or-

ange County. "At the public hearing we will try to see if there is a need for a Chapel Hill senior center or if there will be a need

Orange County Commissioner Don Willhoit said the county was doing what it can to help senior citizens.

"The county is building a southern Human Services Building which was approved in the '88 Bond Referendum," Willhoit said. "We will be adding some space for activities for seniors but this hearing will address their additional

There is a large senior population in the county, Tyler said. "Six thousand people living in Chapel Hill and Carrboro are over the age of 60," she said. "These people have major needs, such as a highly physical focal point where they can come and get a variety

Although the task force is working on a 10- or 20-year plan, they hope to have at least something temporary in the next five years, Tyler said.

"Basically, our goal is to give the seniors a place where they can go at any time to receive friendship and support,"

citizen, said older people in the area were left out of community activities.

at NCSU Saturday night to 260 people at a concert

sponsored by "WUNC Jazz at Center Stage" program.

DTH/Kathy Miche

"Chapel Hill is a university town and not really a retirement community," Peltz said. "My feeling is that olderpeople here are left to fend for themselves. Older people need to meet otherpeople their own age because we canrelate to each other. We need lectures and discussion groups and things witheducational value.

The community center could sponsor programs to help the community understand what it means to be a seniorcitizen. Right now the older population is misunderstood and neglected, Peltz

"When you are neglected, it's a form of abuse," she said. There are no definite plans for

center. One of the community's main concerns involves finding the money to fund a senior citizen center, Trent said.

Willhoit said, "The current monetan situation makes it tough. We need to determine what options we have for financing."

#### Halloween should be safe for area trick-or-treaters Capt. Ben Callahan of the Carrboro But to make the kids aware of pos-

sible dangers and of safety rules, the

By NANCY JOHNSON

Trick-or-treaters should make their rounds early and travel with an adult this Halloween, but if the past few years are any indication, they can feel relatively safe in the Chapel Hill and

Carrboro areas, police officials said. "We've been real lucky," said Chapel Hill Police planner Jane Cousins. Cousins said the police received a report of a straight pin in some candy about three years ago, but that Halloween usually runs smoothly.

Cousins added that crowds of University students generally remain under control and do not pose an increased threat to the children. "There doesn't seem to be as much

alcohol involved, because people are interested in the costumes," she said.

Chapel Hill police have sponsored programs in the schools, at scout troops and at day care centers, said Robin Clark of the crime prevention depart-Clark said the department encouraged

trick-or-treaters to bring flashlights, wear fire-proof and reflective costumes, walk on sidewalks, and travel in groups with adults. Clark said it is also important to be careful about the candy the chil-"We always tell the kids not to eat the

candy until an adult has looked at it," Clark said, adding that there will be additional patrolmen for the holiday.

The Chapel Hill police are also giving away trick-or-treat bags with a list of safety rules on them.

Police Department and Lt. Marcus Perry of the University Police also agreed that Halloween is not a problem in the area; "If we have problems, you might have some eggs thrown or some water

balloons," Callahan said. He added that Carrboro will not provide extra patrolmen for the holiday. The Carrboro police advise people to

trick-or-treat early in the evening and encourage children not to play any pranks, Callahan said.

Virayan Maixner, a Chapel Hill resident and mother, said her kids are excited about Halloween and that she is not worried because she is going to travel with her kids in residential areas she is familiar with.

"We just want to be safe," Maixner

#### struction. Smaller elementary classes can raise student achievement, study says

#### By JANICE DAUGHTRY Staff Writer

A four-year study conducted in Tennessee indicates that smaller classes in elementary schools are more conducive to learning than classes with more than 20 students, but the Chapel Hill-Carrboro schools continue to have larger

"This statewide longitudinal study showed that smaller classes can raise student achievement," said Kim Hoke of the Chapel Hill-Carrboro School System. "This is the focus that teachers

have been saying for years." The project, called STAR, studied how students learned using pre- and post-tests. It was funded by the Tennessee state legislature.

Carolina funds classrooms and sets limits on the numbers of students in classes. For kindergarten through third grade, one teacher and a teacher's aide are allowed for every 29 students. The same holds for fourth through sixth grades, except there is no teacher's aide. For seventh through 12th grade, there is one teacher for every 30 students.

"According to the BEP (Basic Education Plan), there are plans to reduce class size to 22 to 23 students," Hoke

Hoke said Tennessee officials probably took a sample of districts in the state and gave extra funding to hire more teachers at some schools. They maintained control classes with the

Some of the classes were reduced to between 13 and 17 students, others kept 22 to 25 students with one teacher, and others had 22 to 25 students with a teacher and a teacher's aide. About 7,000 students took the test at the end of the year to determine which students had achieved more.

"The greatest gains were found to be in the classes with 13 to 17 students per teacher," Hoke said. "Smaller classes have an advantage over larger ones in reading and mathematics in the primary

The 22- to 25-student classes achieved the same level with or without

According to Hoke, the state of North typical number of students in a class, the teacher's aide, she said.

Hoke said. "If the teacher can devote more time individually to each student, (they can more easily find problem areas)."

Hoke said dividing classes into groups was one way to alleviate problems with large class sizes. Some classes have three reading and math groups, she said. It also helps to pull together the higher achievement group and teach them at a faster level, Hoke added.

Randy Marshall, principal of Carrboro Elementary School, said the range of class sizes at his school was anywhere from 23 to 28 students per

"Research has not been real conclu-"It seems like common sense to me," sive over the spectrum," he said. "A good teacher would achieve better with a larger or smaller size class. A lower class size would have an impact on the facilities. We would need more space to put (students) in (if we reduced class sizes). We would need a whole ew classroom wing if we reduced classes by six students. The local counties would have to provide funding to build new buildings."

> Charles Stewart, principal of Grey Culbreth Junior High School, said the average size of core academic classes at Culbreth was 24 to 25 students.

"Smaller would be much better." Stewart said.