

Tix
Tickets for the Carolina-State basketball game will be distributed 10 a.m. this Saturday at Carmichael.

The Daily Tar Heel

The best job?
Former UNC football player Ernie Williamson heads up UNC's Education Foundation. He calls his job "the best in the state." See page 5.

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NCSU class to make car easy on gas

by Leslie Scism
Staff Writer

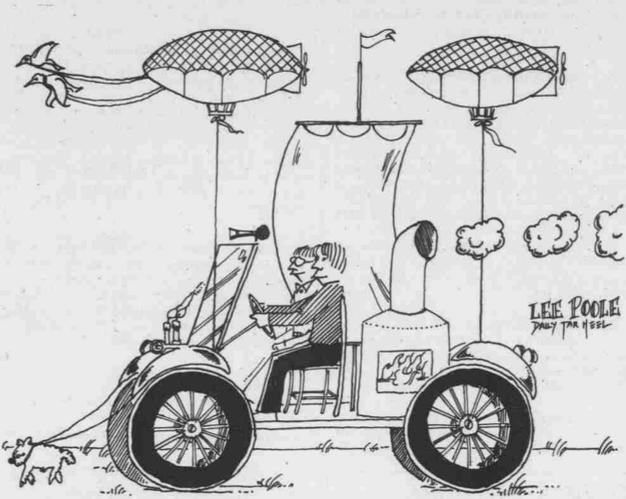
If students are discontented with cars that burn up gas faster than it can be put in, several cars on the drawing board at North Carolina State University may answer their prayers.

Design of a lightweight, two-passenger car that burns less than a gallon of gas every 50 miles is underway at State. Mechanical engineering students are designing four such cars, and construction of the models will begin in March.

When constructed, the 16-horsepower cars will weigh less than 750 pounds and be capable of city driving use. Most cars produced today have horsepower of 80 to 250, and weigh anywhere from 1,000 to 5,000 pounds. For example, a Volkswagen has an 80-horsepower engine and weighs 1,400 pounds; a Continental has a 212-horsepower engine and weighs 5,000 pounds.

"It doesn't seem to make sense to have a 4,000 to 5,000 pound car to haul a 165-pound person around," project director John K. Whitfield said. "We're trying to limit the weight of our vehicle to 750 pounds or less."

"It would be an urban car for going to work, taking the kids to school,



going to the store. Over half the gasoline used in this country is for trips of two to 10 miles, and we feel a real need for small vehicles. You don't need a vehicle capable of 70 miles per hour."

Design and construction of cars is a yearly project in the senior mechanical engineering classes at State. Students are divided into four groups, and each group is given one 16-horsepower engine and \$750.

The students are responsible for obtaining parts and putting together a vehicle to meet specifications set by Whitfield.

Besides being lightweight and

getting good gas mileage, other specifications include having a speed of 55 miles per hour, and an acceleration capability of 45 miles per hour in 25 seconds. The cars must also have a hill-climb capability of 45 mph on a three per cent grade, the maximum grade found on interstate highways.

On April 30, the four cars will be tested, and the group with the car that performs the best will receive the highest grade.

"It's principally an educational thing we're doing; the students need experience in fabricating and in designing," Whitfield said.

Moss to begin transition; Richardson offers support

by Toni Gilbert
and Karen Millers
Staff Writers

For Bill Moss, the next five weeks will hold more challenges and long hours of work than the past weeks of campaigning have, as he settles into his new position as student body president.

Moss will officially take office at 3 p.m. Feb. 23.

"I have a lot of learning to do," he said. "I won't know totally what I'll do until I talk to Billy."

Bill Richardson, outgoing student body president, said he would try to help Moss make a smooth transition.

"Too often there is not much continuity from one year to the next," Richardson said. He said his administration has made in-depth studies of existing programs that would aid in maintaining continuity. These studies include analyses of each Student Government (SG) project purposes, successes or failures and recommendations.

Moss said he will begin by actively recruiting students for his staff and for SG committees.

"We will actively recruit to bring a lot of people into Student Government who haven't worked there before," he said. He added that he hopes most of the present staff will stay during the

transition period to work with his new staff.

Richardson said he purposely had brought younger students, freshmen and sophomores, into his administration, so they could gain experience useful to future administrations.

"It's very important for the new administration to pick up where the old administration left off," Richardson said.

Moss said that after he organizes his staff he will begin the paperwork necessary to implement his proposed programs. He said his reorganization of SG will begin after spring break.

Richardson said he wants to have joint meetings between Moss' staff and

his own. He also plans to meet with key people in the administration and in Student Affairs, "so Bill will already have an open door when he begins his administration," he explained.

Richardson said he will advise Moss and help him in any way he can.

"I'm going to do everything I can... to make sure that Bill and his people know everything, to the best of our knowledge, about what's going on," he said.

Moss said he is anxious to begin work.

"I'm ready to leave the election behind and go forward," he said. "I want to put all my efforts in preparing for the new administration."

U.S. epidemic in 1976 Campus VD rate low

by David Stacks
Staff Writer

Fewer than one per cent of all UNC students contracted venereal diseases in 1976, even though gonorrhea has reached epidemic proportions among the 18-24 age group in North Carolina and across the nation.

The disease has become an epidemic because a new penicillin-resistant strain has developed, leaving epidemiologists

to discover a new cure for gonorrhea.

"The epidemics that everyone has been talking about are the gonorrhea strains that are becoming resistant to penicillin," James McCutchan, associate professor of medicine and a Student Health Service (SHS) physician, said Thursday.

The SHS treated 100-200 cases of gonorrhea last year. Statewide, 38,000 cases were treated. Estimates show that almost 3 million Americans were afflicted in 1976.

"When you've got two-thirds of the cases (1 million) between ages 18 and 24 and a strain that is not treatable with conventional procedures, there is definitely an epidemic," Joe Blount, spokesperson for the venereal disease control division of the federal Center for Disease Control (CDC), said.

Since 1945, the main treatment for gonorrhea has been penicillin. But over the years, more and more penicillin has been required to kill the same number of gonococcus, the strain that causes gonorrhea.

Last year was the first year that the gonococcus had built up enough immunity to penicillin for the drug to be ineffective in combating the disease.

Accordingly, twice as many North Carolinians contracted the ailment in 1976 as in 1966.

"There is no question that gonorrhea is not being adequately controlled," Ted Connell, public health adviser with the venereal-disease control branch of the state Division of Health Services, said Thursday.

"The fact that it (gonorrhea) is constantly increasing does indicate an epidemic," Connell said.

Connell said the 18-24 age group is more susceptible to venereal disease because it is the most sexually active age group.

Expanded services provided for grad student

by Jeff Cohen
Staff Writer

If a graduate or professional student has a problem which cannot be solved in his own department, he may go to either the Graduate and Professional Student Federation (GPSF) or to Student Affairs, according to Assistant Dean of Student Affairs Roslyn M. Hartmann.

She said that these are two most important avenues open to graduate students.

GPSF, composed of a representative from each graduate and professional school on campus, has two main functions according to GPSF President Dan Lindley.

"One of the functions of GPSF is to inform each department of various grad news," he said. "GPSF also allocates the money given to us from student fees to each graduate and professional department at UNC."

According to the 1976-77 Graduate Student Guide, "GPSF provides a communicating link and information service for the graduate student. Matters pertaining to the graduate student, such as departmental policy changes on thesis and research requirements, are top priority."

"If a graduate student has a problem, he can come to GPSF, and we will do whatever we can for him," GPSF Treasurer Larry Tension said. "However, about half the grads probably don't even know about GPSF."

Tension said that there was somewhat of a breakdown in communication beyond the graduate department level, noting that some departments have not even requested the money set aside for them.

However, Hartmann explained that recently more avenues have been opened up for graduate students at Student Affairs. She said that since she became assistant dean, several new programs have been initiated for the graduate and professional student.

She said that one new program is a Graduate Student Orientation.

"Most people don't realize that a graduate student has to make an adjustment just like an undergraduate upon first arriving at UNC," Hartmann said.

Hartmann said that last year Student Affairs began publishing an orientation handbook for incoming graduate students. "We felt they needed survival information," she said.

She also explained that the graduate school operated a somewhat ineffective orientation program for new graduate students, causing Student Affairs to be a more useful graduate orientation program.

Hartmann also said that Student Affairs sent a newsletter to every graduate and professional student on campus. She explained that the newsletter sent last year, more like a manual, was an extension of the Graduate Guide published by Student Affairs.

"This year, the newsletter will explain ways that grads can save time and money," she said. "It will tell of the many services offered by local organizations, departments and clubs."

Hartmann said that Student Affairs also sponsors small group seminars for graduate students. She said that although the response to these seminars has been very limited,

there has been a great deal of positive feedback.

Hartmann said that Student Affairs is always open to new ideas, and in an attempt to discover what needs to be done, she talked with every graduate director on campus.

"I discovered that the graduate directors complained of not knowing the goings-on of Student Affairs and other graduate-

supportive services on campus," she explained. "So we sent out a packet to the Graduate Guide."

She said that the packet contained such items as campus and town maps, SCAU publications, GPSF information, Student Health data and a copy of the Franklin Street Gourmet.

"We will actively recruit to bring a lot of people into Student Government who haven't worked there before," he said. He added that he hopes most of the present staff will stay during the

Carter cancels bomb sale to Israel



Carter

WASHINGTON (UPI) President Carter has cancelled the Ford administration decision to sell Israel devastating concussion bombs and is reviewing whether even the United States should have them, the White House announced Thursday.

"The decision has been made by the President not to sell concussion bombs to Israel or any other nation," Press Secretary Jody Powell said. Israel is the only known country to have asked for the weapon.

"We are at this time reassessing the need to retain the weapons in our own inventory," Powell said. Powell said, however, the United States will sell Israel the promised

package of M60 tanks and 155-mm howitzers. Details of the sale are secret. Each part of the package is worth at least \$7 million and therefore subject to congressional review.

Powell said the sale to Israel of a night-vision infrared radar system is under "very active consideration, primarily of a technical nature."

Carter's decision on the concussion bombs, he said, "related to a general desire to limit and reduce the sale of sophisticated and highly destructive weapons...and his feeling that a decision not to sell these weapons is not in any way inconsistent with his oft-repeated commitment to the security of Israel."

Carter has said frequently he wants to reduce arms sales. Last week, he expressed "concern" about the proposed sale of concussion bombs, which kill by exploding

firestorms over huge areas. The effect is an instant depletion of oxygen that collapses vital organs.

President Ford made the decision to sell Israel the bombs, a modernized version of a Vietnam war weapon during the election campaign. Powell said Carter, in revoking that decision, did not want to "forego our responsibility to review this sale."

He said all U.S. arms sales were under review.

Carter made the Israel decision early this week, Powell said, but delayed announcement until Secretary of State Cyrus Vance personally informed Israel Wednesday.

Rams Club: Alumni dollars pay for more than choice seats at big game

by Tad Boggs
Staff Writer

The Rams Club.

Mention the name, and the lowly undergraduate is awestruck. Wherever the Rams Clubber goes in Chapel Hill, red carpets magically appear, and closed doors inevitably open.

The Rams roll into town on football Saturdays in gleaming chariots. They park where they damn well please, diplomatically immune to the tentacles of Chapel Hill's ever-present towing fleet.

From their rituals has evolved a curious social phenomenon known as the "tailgate picnic," combining fried chicken, bourbon and station wagons equally. They occupy the money seats in Kenan Stadium and Carmichael Auditorium. Tickets to glamour events such as the ACC tournament end up in their hands with amazing regularity.

They socialize before the kick-off in traditional Southern style, peering from the balcony of Kenan Field House at the faces peering in. They are the guardian angels of UNC athletics.

A minimum contribution of \$100 transforms an innocent Carolina alumnus or friend into a Rams Clubber. For a simple C-note, all this and more is waiting.

The Rams Club and all its trappings are the brainchild of the Educational Foundation, Inc., formed in 1938 to provide funds for scholarships and grants-in-aid to qualified high school athletes. Its founding philosophy was to benefit the athletic department, and thus the University as a whole.

"No school is greater than its alumni, and to have a great university you need alumni support," explains Ernie Williamson, the executive vice president of the Educational Foundation since 1957. "The University of North Carolina is supported by state tax dollars, but it was generally accepted that it wouldn't be fair to have our athletic program funded by tax dollars and gate receipts collected from people who may have

attended other colleges in the state."

To solve this problem and gain alumni support, three sports-minded UNC graduates organized the Educational Foundation, the University's first fundraising organization, and incorporated it as a charitable organization on Dec. 7, 1938.

The relative importance of college athletics to the rest of university life is a source of controversy today. Athletic recruiting, the subject of numerous scandals in major universities, is regulated by strict National Collegiate Athletic Association (NCAA) guidelines.

Overzealous alumni often violate the guidelines by providing gifts and favors to entice prospects. Some alumni with money to spare, hope to improve athletic programs and acquire retroactive glory for themselves. All this can cloud the true purpose of athletic competition.

The athletes become puppets, the fat cats pull the strings and the school's athletic department undeservedly gets the blame. But, talking with Williamson, one can't escape feeling the fate of the athletic program here is in more rational hands.

"You know, college athletics have a tendency to get blown out of proportion sometimes," Williamson says. "If I ever had to do anything illegal to get a young man to come to UNC, I'd quit my job."

"I'm convinced that the main justification for college athletics is that it brings the alumni back to campus." After the old grad comes back to town for the big game, other benefits follow. "The alumni like to walk around the campus after the game to look the place over," Williamson continues. "Maybe one sees something that he thinks could stand some improvement. He says to himself, 'We need to do something about that.'"

The result? A new laboratory appears. An old landmark gets a facelift. Plans are made for a new gym or theatre.

The Educational Foundation has provided millions of dollars in contributions directly to athletic programs and indirectly to academic programs. More than 2,000 student athletes have received full or partial scholarships, and the number grows yearly.

Selling the University to the hearts and checkbooks

of alumni is not difficult, Williamson says. "The loyalty of UNC alumni is unlike any other university in the nation. There's something intangible about Chapel Hill that gets into people's blood, and other schools are jealous of our support."

"We send out pledge cards every year to our members. Often, they're filled in with a figure, and a little note is attached that says 'and more if you need it,'" Williamson says, smiling.

The bill for the 252 full and partial scholarships currently awarded by the foundation totals about \$700,000. Although that may sound imposing, the total is met and surpassed rather easily through several fund-raising programs.

"In 1968, we began a program known as the scholarship endowment trust," Williamson says. "Our long-range goal is for this trust to completely endow the scholarship program. Any money raised would then be used for capital improvements in the athletic program."

In its 1976 report to the University development program, the Educational Foundation reported 11 fully endowed scholarships and 78 donors contributing \$10,000 or \$20,000 for life memberships. Total assets from regular and endowment donations on hand were listed at \$2.9 million, with a whopping \$986,000 recorded in donations during 1976.

The words "and when I die I'm a Tar Heel dead" are familiar to all UNC fans. Apparently, many Rams take the words seriously. Williamson reports that several Carolina supporters have included the Educational Foundation in their wills. The money involved is left to the imagination.

Also, some 100 Tar Heel loyalists have established life insurance scholarships, amounting to \$6.5 million face value in policies for which the foundation is the irrevocable owner and beneficiary. If there was ever any doubt, these figures prove that college athletics is big business at UNC.

The Rams Club—those contributors giving \$100 or more to the foundation—has approximately 3,000 members. Williamson says the number increases by 25, to 50, per year, a figure which probably would be much greater but for the limited seating capacity of

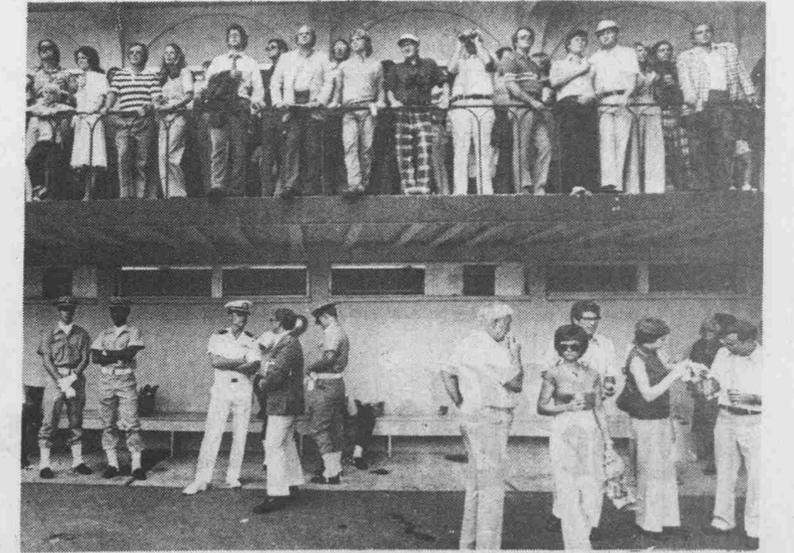
Carmichael Auditorium. "We can't promise anyone seats in Carmichael, and this hurts our efforts to recruit members," he says.

Certain common denominators exist in the profile of a typical Ram. The Ram is likely to be male (about 90 per cent), a UNC graduate and in good financial shape. Williamson points out, however, that a large number are businessmen who moved to North Carolina and joined simply to gain access to quality sports events.

The number of contributors to Carolina athletics

can pose problems when allocating tickets for special events, such as the ACC tournament or bowl games. Williamson confronted this during the football team's 1971 trip to the Gator Bowl. "One of the Rams Clubbers called and said he wanted six tickets to the game, which was impossible since we had none left," Williamson says. "He got a little hot, and said 'Listen, I'm a graduate of this University, and I demand six tickets.'"

Please turn to page 3.



Staff photo by Charles Hardy