

Journalism building approved

By ERIC WARD Staff writer

The USC Board of Trustees has authorized financing for a new \$14 million College of Journalism and Mass Communications building, administrators said.

As yet, no time has been set for beginning construction of the building. Once construction begins, however, the new building will take about two years to complete. It will be located near the Business Administration building.

Financing for the project must now be approved by the S.C. General Assembly. It will be done under a lease purchase plan, said Pete Denton, Executive Vice President of Business and Finance.

He said the lease purchase plan is a long term proposition.

"What it would amount to is someone would construct the building and then lease it back to us," Denton said. "After the debt is paid off, the title of the property would pass to the university," he said.

Denton said the Swearingen Engineering building was financed under a similar plan and the Ira and Nancy Koger Center for the Arts is being financed in much the same

Depending on private contribution levels, complete payment of the lease could take from five to 25 years,

The proposal for the new building was presented to the Board by the College of Journalism and Mass Communications Dean Joseph Shoquist.

To augment state financing, a fund raising effort is being organized by Shoquist and College of Journalism Development officer Chris Vlahoplus.

The new building will cover about 80,000 square feet, cost about \$14 million and accomodate about 1,400 students, Shoquist said.

"We're planning a building that will be attractive but sensible," he said. "We want to have a building that will suit not just our present

need, but our future growth as well." Although college enrollment has stabilized in the last two years because of higher academic requirements, Shoquist said, the college still suffers from inadequate space and is in need of a conference

"Journalism has a greet need for a conference center," Shoquist said.

The new building will serve more than just the College of Journalism. Other USC departments will be free to use its facilities.

The new space will enable the college to conduct courses, seminars and workshops that are unavailable The \$14 million will also pay for

new equipment and furnishings and a

parking facility. Plans call for preservation of as much surface parking as possible with additional parking space either underneath the building or in another

facility nearby, Shoquist said. "We don't want to lose any parking places that can be helped," he

Library to use computerized catalog areas such as Spartanburg and Allendale to find out what

Staff writer

States.

A new computerized catalog system in the Thomas Cooper Library is expected to be operational by the end of April, said C. J. Cambre, assistant director of

The on-line card catalog system, called Notice, will not only be usable by anyone that comes into any of the libraries on campus, but also by anyone who has a com-

puter on campus or in the state, Cambre said. The system, which received state funding in September, will be tied into the university's mainframe and can be accessed by anyone with a modem anywhere in the United

Cambre said it would be especially beneficial to offcampus students who own personal computers.

Another advantage of the new system, in addition to showing what information is available in Columbia, is that Notice can also tie into other computers located in

information is available there.

The library has been cataloging on-line into a national database known as OCLC Inc., which catalogs the con-

tents of over 4,000 libraries all over the world. All the information processed has been done by Notice, based at Northwest University, and the Computer

The Notice system was awarded \$1 million for this fiscal year - just enough to cover the cost of equipment

and to get things started, according to Cambre. The on-going cost will be funded by the university and

will be part of the library and computer center budget.

Finding out what information is where is all the library is offering for now. "We haven't worked out details regarding getting the information here once we know where it is, but at least with Notice we'll have access to know what's out there," Cambre said. "We are working on ideas such as interlibrary loan and shuttling, though."

Laser Continued from page 1

response we want."

The response the researchers are looking for is a doubling of the laser's power. This response can be obtained when the laser beam is passed through the right nonsymmetrical crystal structure.

Nonsymmetrical crystals are crystals in which the atom structure varies, creating structural imbalance.

When the laser beam is passed through the crystal, the atoms begin to move around. This causes the atom lattice to expand. When the lattice is fully expanded, it may still be unable to cover the entire infrared beam. As a result, the infrared beam is cut in half, with the crystal generating multiple frequencies. This doubles the power of the beam. The resulting beam is green and visible.

Cathey said it is also feasible that the beam could be tripled, creating a

very blue beam. He added that there are crystals known to create higher intensity beams, but that he and his associates are looking for crystals that will work at a higher efficiency. "You can use certain crystals and obtain a little bit of green light," Cathey said. "But we want something that will be more

efficient.

"These synthetic compound crystals are different from those already known to increase laser intensity," he said. "They are asymmetrical, yet they are perfectly clear, like window glass. This is very rare. It's like just finding a diamond.

"We think some of them may be able to double or triple the laser's fre- up to a million calls at one time.'

quency," he said. "And if we can get some of them to double, that's the response we want."

If the project produces such a response, Cathey said it may help in the development of a system called multiplexing.

Currently, long glass structures called fiber optics are used by telephome companies and several other businesses to transport telephone calls and other information. Each fiber optic can hold several hundred phone calls.

If the frequency doubling method is obtained, the resulting laser beam can be sent through fiber optics and microwaves can be applied.

"If we can do that," Cathey said, "one fiber optic may be able to hold



JAMES NETTLES/The Gamecock

Student registration and fee payment was less hectic at the beginning of the week because many students waited until the last minute to return to school.

New express lane helps speed up registration

From staff reports

A new express lane helped speed up registration for some students at the beginning of the week, the director of USC registration said.

The express lane allowed many students who forgot their spring bill to bypass the normal scanning system and go to a line where student I.D.s were used to obtain a printed bill, Director Linda Woollen said.

"People have been really impressed with it (the

been very pleased with it," Woollen said.

But headaches were unavoidable on Thursday and Friday because more than 10,000 students waited to pay their fees until those two days, Woollen said.

Those students who waited until Monday can also expect long lines, she said. Because so many people waited until the last minute to pay fees, USC administrators have extended the deadline for

express lane). It works like a charm, and I have cancellation of classes until Tuesday, she said. The deadline was also extended because administrators were afraid that many students were not going to make it back to the university in time

to pay fees and because they wanted to allow an extra day for checks to clear, she said. "I was really impressed with the express lane. It only took me a few minutes to get through," said

Joelle Ryan, an English junior.



Business management junior Sharon Gantt charges her tuition and fees



THE GAMECOCK

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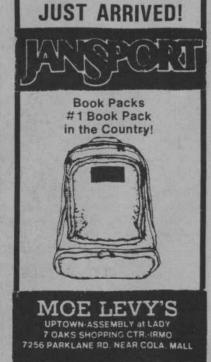
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