

# Universities, group to join forces on telescope construction

By SIMONE PAM  
Staff Writer

UNC, the University of Colorado and the National Optical Astronomy Observatories (NOAO) will all be working together to build a \$13 million 12-foot telescope in Chile.

UNC and Colorado will each provide half of the money needed, about \$6.5 million. The money will be used to cover the purchase of the basic instruments and installation costs, said James Rose, associate professor in physics and astronomy at UNC.

The telescope will be constructed in Chile. The location was chosen

because it is the best site in the southern hemisphere, Rose said.

"Right now we go to Chile," he said. But the new telescope can be controlled from UNC or University of Colorado professors' offices, Rose said, through high speed data links.

"NAOA will operate the telescope for us," he said. "In exchange, we will split the telescope time."

The telescope will be used by professors and graduate students working on their theses. "It is also a great opportunity for undergraduates to get involved," Rose said.

The telescope should be ready in five years, he said.

The telescope is part of a "new breed" of telescope that is actually much cheaper than older models, Rose said. "It would have cost \$40 million in conventional methods."

The hardest part in building the device is constructing the mirror, he said. "The bigger the mirror, the more money it costs," Rose said. "If you can make the telescope lightweight, you can reduce the cost."

"The mirror will be thin, made by Corning Glassworks, out of a substance that does not expand or contract as the temperature changes," he said. Ordinarily, as the temperature changes, the shape of the mirror

images changes.

The new telescope has two main advantages over the telescope the University operates in Morehead Planetarium, he said.

The proposed telescope is six times bigger than the Morehead Planetarium device, whose downtown Chapel Hill location is terrible for stargazing, he said.

The new telescope also could be used for training students. "It will be one of the largest in the world at the best site in the southern hemisphere," Rose said.

The construction of the telescope

is in the planning phase now.

"In December, a committee, including three astronomers from UNC, will meet in Tucson, Ariz. to organize and determine the charac-

teristics and exact details of how it will be operated," Rose said.

"It is very exciting that we will have a facility comparable to any in the world," he added.

## State may restructure its environment department

By STEPHANIE VON ISENBURG  
Staff Writer

Environmental regulation by many departments in North Carolina is inefficient and confusing and should

be restructured, according to Gov. Jim Martin and a state congressional study committee.

The Department of Natural Resources and Community Development would be disbanded and a new department — the Department of Environment, Health and Natural Resources — would be formed, according to the committee's plan.

The system often splits the protection of the environment between two departments, making it ineffective, said Rep. Joe Hackney of Orange County. Hackney is the chairman of the study committee.

Consolidation was the best alternative for the committee, Hackney said.

Consolidation has been considered for over five years and "would eliminate gray areas of confusion and duplication," said Don Follmer, director of Public Affairs at the N.C. Department of Natural Resources and Community Development.

"There is a consensus agreement (on restructuring) between the governor and the General Assembly. There seems to be no disagreement between the executive and legislative branches of the government," Follmer said.

The reorganization of the environmental departments should not cost the state anything and should save the state money by regulating more efficiently, Hackney said.

Follmer agreed, but he said the exact cost of the restructuring was impossible to predict.

The state executive and legislative branches expect the bill to pass the legislature when it convenes in January.

## Hearing from page 1

O'Brien, reading the court's ruling, said Price's "legal expertise" violated McKinley's rights.

McKinley said after the ruling Tuesday that the decision was a "minor victory" for him.

"I'm very disappointed about the way the court ruled on the other (six alleged rights violations)," he said.

But the decision did set a precedent that the court can overrule previous rulings, he said.

Price said Sunday that he was very surprised by the ruling in light of the opposite ruling the court made Monday.

"I'm completely unsatisfied by that decision by this court," he said.

The decisions made by the court must be final, he said, or the process could go on indefinitely.

Price said he had been a member of the court for two years and his legal background has never been an issue before.

McKinley faces charges of obstructing the normal operations of the University as a result of a Feb. 23 incident at the University Motor Inn and charges of obstruction, trespassing and disorderly conduct as a result of an April 15 demonstration at Hanes Hall.

On Feb. 23, McKinley and other students protested outside the University Motor Inn room of a CIA recruiter who had planned to hold interviews with UNC students.

On April 15, eight students, including McKinley, were arrested at Hanes Hall after lying on the floor of University Career Planning and Placement Services' working area and refusing official orders to leave.

Five of the students arrested April 15 were found guilty of obstruction and not guilty of trespassing by the Undergraduate Court Sept. 29, and their punishment was censure, which includes an official reprimand. Those students were not charged in the Feb. 23 incident.

McKinley listed six other alleged violations of his rights. He said that:

- he had been denied a fair hearing by the court's refusal to let him use his "conscience defense";
- the court chairman had no right to recess the first hearing after McKinley walked out;
- because the second hearing picked up where the first one left off, he had no opportunity to re-question the court board about their fitness to be on the board;
- he was denied his right to face his accusers when the court would not subpoena UNC Board of Trustees member John Pope. Pope was the author of a BOT resolution which condemned the protester's actions of Feb. 23 and called for a complete investigation of the event. Pope described the protesters' actions as "violent" and "terrorist";
- he was denied his right to an impartial hearing because the court, by its denial of his conscience defense, implicitly said that the CIA is a lawful organization because the University invited it to recruit on campus; and
- he was denied his right to a fair appeal because the chancellor has the final say in the appeal process. The chancellor's office, by association with the BOT resolution, had already taken a stand on the case.

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