

# New set of criteria asked for tests of artificial heart

United Press International  
SALT LAKE CITY — University of Utah doctors will ask the Food and Drug Administration to allow implantation of an experimental artificial heart in people whose natural hearts are weak but still beating.

An institutional review board of doctors, a philosopher and other faculty members Monday approved an expanded set of criteria for human experiments with the Jarvik-7 heart, which has kept test animals alive for up to nine months.

The 15-member panel voted to let surgeons test the heart in people with "Class-4 heart disease." The class includes people whose hearts have degenerated to the point where the patient is immobile, in pain and about to die.

Existing criteria approved by the FDA seven months ago allows experiments only on people who die during open-heart surgery. But since the tests were approved, Dr. William DeVries, head surgeon for the heart project, has not had an opportunity to implant the device because all potential recipients undergoing surgery at the Utah hospital have survived.

The new guidelines will be sent to the FDA later this week and the government agency has 30 days to respond.

Board member Dr. F. Ross Woolley, an associate professor of family medicine, told reporters the criteria were rewritten after considerable debate and soul-searching about the ethics of removing a still functioning organ, however weak.

"I don't think there is a member of this board who hasn't had a lot of sleepless nights," Woolley said. "I know I certainly have."

"I don't think there is an institutional review board anywhere in country that's had to wrestle with an issue on the cutting edge of medical ethics like this one."

Woolley said the panel had

## SAT goof discovered by students

United Press International  
NEW YORK — Three students have outsmarted the Scholastic Aptitude Test, finding none of the multiple choice answers to a 10-point math question were correct and forcing the College Board to recalculate 300,000 test scores.

"It was a human error," Barrie Kelly, the College Board's executive director of communication, said.

As a result of the mistake by the Educational Testing Service, developer of the tests in Princeton, N.J., 300,000 scholastic math tests must be rescored and recalculated.

It is the third case of a flawed answer in the history of the Scholastic Aptitude Tests taken by more than 1 million students each year and scored on a scale of 200 to 800.

Daniel B. Taylor, executive vice president for operations, said as a result of the flawed answer, he anticipates adjustments 10 points up or down on the tests.

Monday, the College Board dispatched mailgrams to 3,000 colleges that consider SAT scores when weighing college admissions. In the mailgrams, Board officials told admissions offices the recalculated scores will be sent in 10 days.

The disputed math question showed a large circle, B, and to the left of it, a small circle, A, touching B.

"In the figure above," the problem states, "the radius of circle A is one-third the radius of circle B. Starting from position shown in figure, circle A rolls around circle B. At the end of how many revolutions of circle A will the center of circle A first reach its starting point?"

The choices given among answers:  
(a) 3 over 2.  
(b) 3.  
(c) 6.  
(d) 9 over 2.  
(e) 9.

"The answer to this question should have been 4, not 3, as was indicated on the answer key," Kelly said.

This explanation, proving the students right, was given:

"The circumference of the large circle is three times the circumference of the small circle. If the small circle were to rotate among a straight-line segment equal in length to the circumference of the large circle, it would make three revolutions.

attempted to define the point at which the patient has no other hope than the mechanical device. It also tried to select patients who have a chance of surviving with the device and coping with the change in lifestyle it will cause.

The panel settled on people who have the Class-4 heart condition for at least eight weeks —

or who are undergoing rapid heart deterioration.

They must be free of other major complicating diseases, such as cancer, and they cannot have a history of alcohol or other drug abuse.

DeVries applied to expand the category after a dying Homedale, Fla., fireman, Dale Lott, asked for an implant. Lott

suffers from degenerative heart disease and does not fit the existing criteria.

The only human tests of the heart have been performed on brain-dead patients at Temple University in Philadelphia. Earlier this month a Temple team kept a man's body functions going for 42 hours after he had died.

# Austin weekly paper folds after 7 months

United Press International  
AUSTIN — The Austin Press, a weekly newspaper organized seven months ago as a competitor to the city's daily newspaper, ceased operations Tuesday.

Gary Entress, publisher of the Press, issued a brief statement announcing the fate of the newspaper, which published its last issue last week.

"The Austin Press newspaper ceased its operations effective today," Entress said. "Attempts to rescue the newspaper the past week have proved to be unsuccessful."

He said the newspaper today will issue a more complete statement about its demise.

The Press published its first edition Sept. 23, 1981, and had tentatively planned to begin daily publications in competition with the Austin American-Statesman.

The Press was organized by another city daily, the Austin Citizen, went out of business last year.

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