

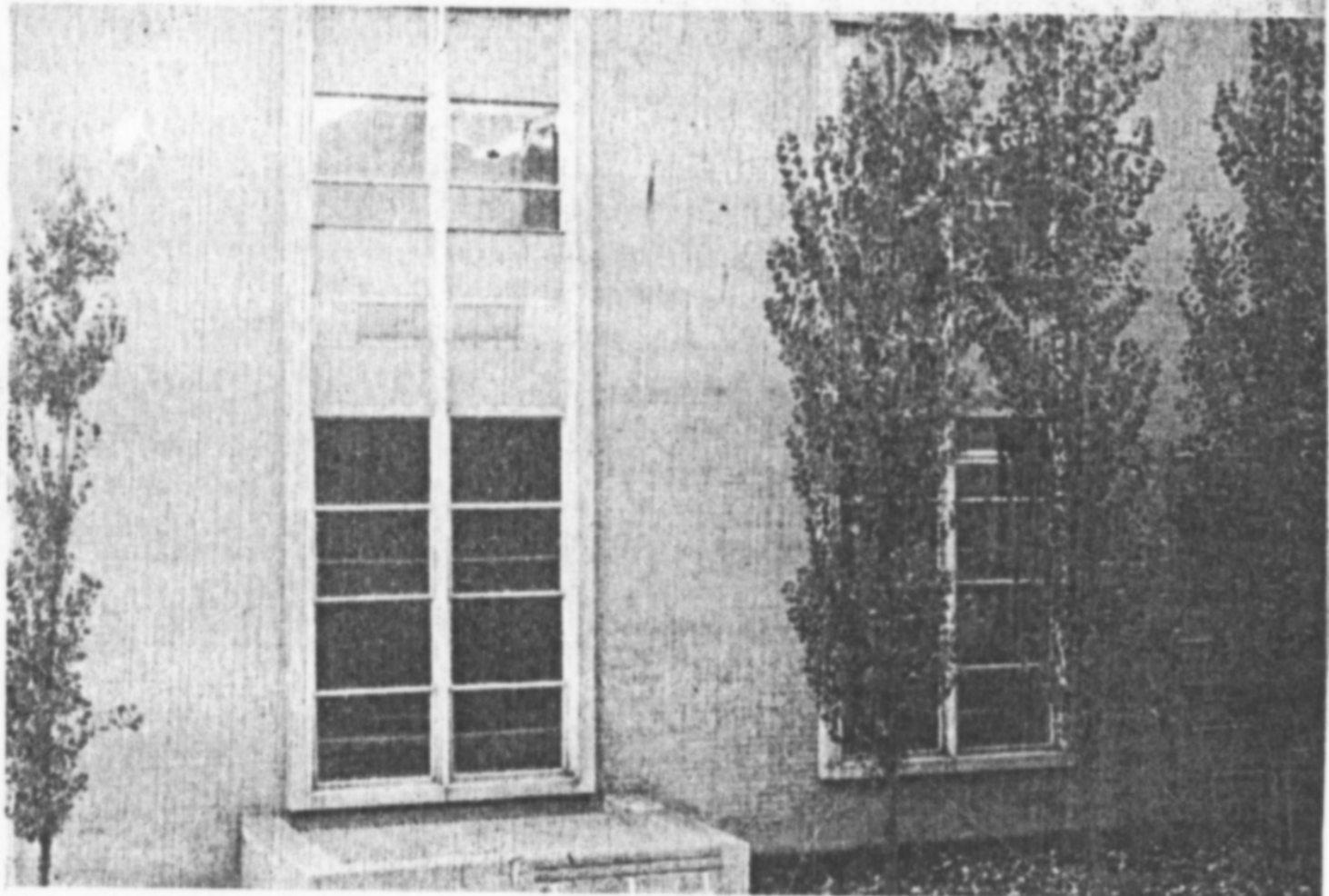
# YU Initiates Reactor Program

## Nuclear Reactor Ready in Spring

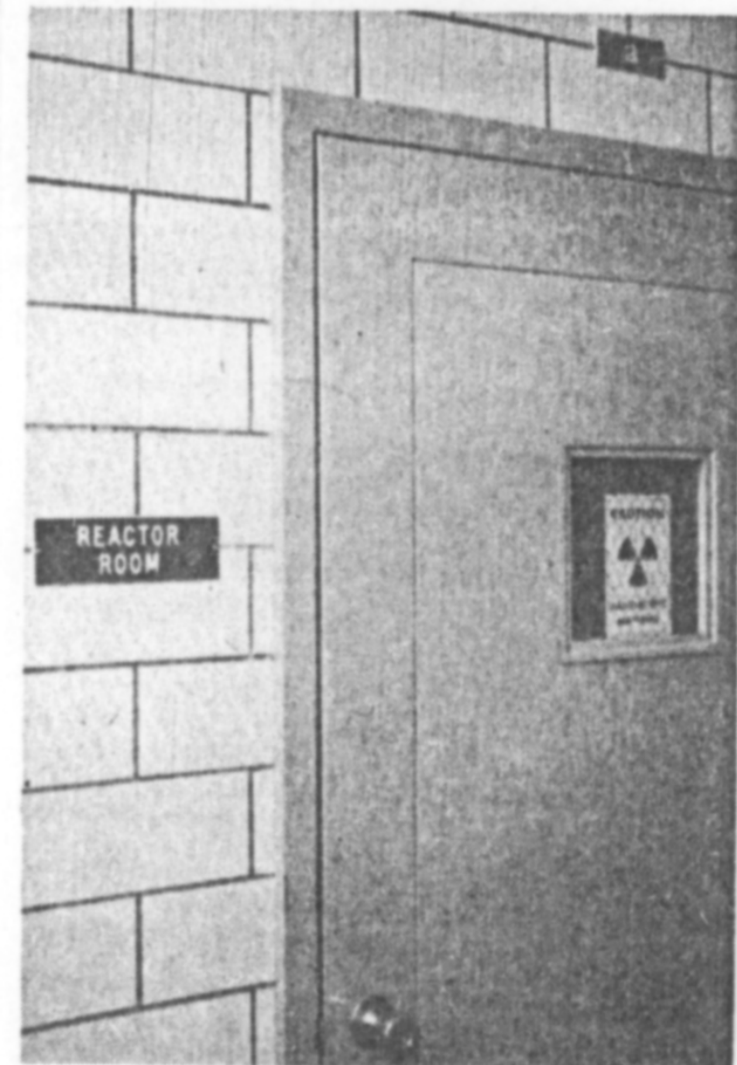
Youngstown University's new atomic reactor will be ready for use next semester. The reactor, built by the No-Clear Copr., Chicago, Ill., is seven and one half feet tall and four feet in diameter.

The reactor fuel of two and one half tons of U-235 was manufactured at Oak Ridge, Tenn., and was made available through the Atomic Energy Commission. The Commission paid half the cost while the University paid the other half.

The reactor will be operated by Dr. Hugh Shadduck, Dean Michael Charignon, Prof. Frank Tarantine and Prof. Mathew Siman. It will be a required course for engineering students and an elective for anyone who meets the pre-requisites.



THE NORTH END of the Science Building houses YU's new nuclear reactor. Unimposing from the outside, it houses one of the few university owned reactors in the United States.



"CAUTION - RADIOACTIVE MATERIAL" on the door of the reactor room gives an indication of what lies on the other side.



DEAN CHARIGNON (left) of the Wm. Rayen School of Engineering, and Prof. Tarantine test a U 235 rod, one of the 272 rods that made up the reactor fuel. Work on the reactor was begun about two years ago but the first tests weren't made until last week.