

Research Review

# Fallout Protection Discussed

By KAY MILLS

Emotionalism over fallout protection might be diminished if the common misconceptions regarding non-military defense could be eliminated, Gifford H. Albright, director of the shelter research and study program, said.

"People become alarmed because of lack of knowledge, not stupidity," Albright said. "We are living in a nuclear age and must learn to accept it calmly."

According to Albright, misconceptions about non-military defense include:

• "There is nothing we can do if a bomb drops."

"We can do something by providing shelter areas on either a public or private basis," Albright said. "A shelter against fallout need not be a separate space," he added. "We advocate a convertible shelter, one that can be used, for example, as a game or TV room and also as a protected area."

• "Our city may be a target area, so why provide fallout protection when blast damage might be so devastating?"

Many areas, Albright said, will not be subject to the direct effects of blast and heat, thus people can survive if they have fallout protection.

• "Our town is many miles from a target area, so why provide protection?"

• "There may not be enough warning time, so why provide protection?"

To answer both of these points, Albright said dust particles made radioactive at the target city can be carried by the wind to distant points. This fallout, however, takes time to travel so that the public not in the blast area will have time to get to a shelter, he said.

• "Even if we are in a shelter, the radioactive air can kill us."

• "Food and water which we need would become contaminated for shelter use."

Air is not radioactive; dust particles in the air are. Washable food or food and water in containers will be safe because they are free from these radioactive dust particles, Albright said.

• "In order to achieve protection, we must build ugly, windowless buildings that will mar our landscape."

"We need not live like cave-men if our architects know what they are designing against," Albright said. "They do not need to build concrete blockhouses but can design a shelter in the core of the structure."

Albright's work involves environmental influences on build-

ing design. "We consider noise and lighting problems relative to environment. Our current emphasis, however, is on nuclear effects."

The Department of Architectural Engineering offered the first courses in shelter planning and design in the county, at both graduate and undergraduate levels, Albright said.

The two-year-old shelter study coordinates work of professors,

graduate and undergraduate students and research assistants in the Departments of Architectural, Civil and Nuclear Engineering.

"Often we must use the buildings as they already exist. The thicker a structure's walls and the more stories it has, the more protection it offers," Albright said. "The basements of University dormitories, therefore, are often safer than an ordinary two-story residence without a shelter," he said.

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### Prof to Speak on Art

Dr. D. M. Brinkerhoff, associate professor of art, will present a "gallery talk" at 7 tonight on the art exhibition display in the Hetzel Union art gallery.

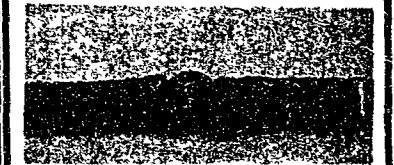
The exhibit, which features recent works of the faculty of the school of arts, will be displayed until November 17.

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# CAMPUS BLOODMOBILE . . Tuesday, Nov. 14 and Wednesday, Nov. 15

## Significance of Red Cross Blood Program To Students

The Johnstown Region Red Cross Service Blood Program in our Community, including University students classified as Residents of our Community, operates on a TOTAL COVERAGE BASIS.

A RESIDENT is any student actually living in University Student Housing, Fraternities, Apartments, Rooming Houses and Trailers in University Park, State College, Pine Grove Mills, Boalsburg, Lemont, Houserville, Centre Hall, Port Matilda and other surrounding areas which are a part of the State College Chapter Area.

TOTAL BLOOD COVERAGE means—for these students—that all of the Blood Needs for this resident and his or her IMMEDIATE FAMILY will be supplied by Red Cross on a pint-for-pint basis to any hospital in the United States and Canada which will accept Red Cross Bottled Blood. The Immediate Family includes mother, father, brother, sister, wife or husband and children if resident in the United States or Canada.

HOWEVER, to provide for individual coverage, a student MUST have donated within the last six months OR the Campus quota set by the Regional Center and the State College Chapter must have been reached. The very minimum for any six-month period is 250 pints.

DESIGNATED DONATIONS: AT a Bloodmobile visit a student(s) may designate his blood for any person (on a one-for-one basis) provided the hospital will accept Red Cross bottled blood. To do this, a donor must have the correct name and address of the patient, and the name and location of the hospital at which the person is a patient. Designated donations DO NOT either protect the donor's own blood needs or count in obtaining the blood quota if the patient is in an out-of-region hospital.

### ADDITIONAL INFORMATION - Phone the Red Cross Office

ADams 7-3162 - one to five p.m.

### WHO MAY GIVE BLOOD

1. The donor must be in good health
2. Anyone between the ages of 18 and 21 who is married, or who has SIGNED Minor's Release
3. Anyone between the ages of 21 and 59

Minor's Releases must be signed by a PARENT or GUARDIAN and submitted at the time of donating blood.

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October 30 thru Nov. 8

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Alpha Phi Omega, Service Fraternity

Gamma Sigma Sigma, Service Sorority

## STATE COLLEGE CHAPTER, AMERICAN RED CROSS