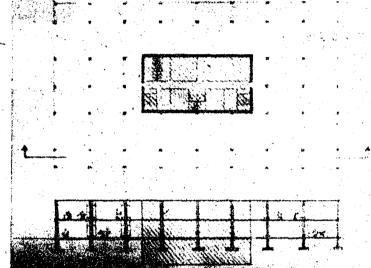


IS THERE A DEFENSE?-An atomic explosion such as the point of explosion.



CORE CONCEPT—One of the basic concepts devised by University researchers for incorporating atomic shelters into new buildings is the core concept illustrated above. The center area, surrounded by heavy walls, contains toilets, storage space, visual aids rooms, etc., and suffices also as emergency shelter.

Apartments--

(Continued from page three) lot of temporary housing was built on university campuses, However, the undergraduate married enrollment has drop-ped and in the last 10 years the frend has been for an increasing number of married graduate students, Mueller said.

for graduate "students, Mueller" Miss Sommerfeld will report on said Albright. said citing the large housing de-velopments of Purdue and Michi-gan State. gan State.

The housing project here also for children with laundry and The closed end of the horseshoe storage facilities in each unit. remains as it was, 35 rows high.

The new apartments include one large room which is sub-divided into a living-dining area and a kitchen, an all tile bathroom and one or two bedrooms.

College of Home Economics, MIS, test sites from Feb. 1950 to June Ruth R. Ruef, assistant dean for 1958. merfeld, assistant dean for con-tinuing education; will speak be-fore section meetings of the merican Home Economics As-sociation's annual meeting in concentration on defensive meth-transport of the sites from Feb. 1950 to June (an live like sardines for two weeks and still survive as human beings. There is another illusion most people have that Albright and people have that Albright and his crew would like to dispel. 'Most people think that shel-Other universities are now sociation's annual meeting in "Those of us who advocate more building permanent housing units" Denver, Colo., June 28 to July 2. ode are fighting a gaining battle."

ics to the public.

Penn State's new Beaver Staincludes five fenced-in play areas dium is 80 rows high on each side.

Check

one pictured (center) left nothing but strewn wreckage of buildings and bodies when it leveled Hiroshima (left) in 1945. Despite the devastating, destructive force it unleashes, the safe at right proves that shelters can be built to withstand its power and radiation. The structure, built of steel and concrete was above the ground and only several hundred feet from the point of explosion.

A lot of Americans are over-|Civil Defense has been changed emergency protection as a shellooking the important concept It has been moved directly under ter.

When the A-bomb first became

known to the public, they thought

there was no way to survive the staggering force it unleashes and

the only hope for survival in the

atomic age was to maintain the

But just as methods of pro-tection against weapons have

been devised down through the

ages, since the shield stopped

upon its role in the protection

saíd.

developed.

of defense in their headlong The Veterans' Administration rush to advocate more and now provides loans for shelter construction. bigger missiles and offensive

"In addition to structural probweapons as the best method lems, there are many psycological of preventing atomic annihila-tion, savs Gifford H. Albright, as-sistant professor of architectural engineering.

ters for extended periods of time. Therefore there are architectural and engineering problems of space detemination, heat elimination and adequate air, food and water supply."

superior offensive force, Albright Several tests have been made to see if they can subsist for a the core concept and the plaza period of time and endure not concept, only the isolation from the outside In the core concept, toilets,

contact with each other.

ters must be underground separate units, usable only as shelhe said.

ters," he said. "But our job is to figure out how atomic shelters can conthe federal government and more emphasis is being placed veniently and inexpensively be incorporated into new and presently existing buildings, serving against atomic weapons. [ently existing buildings, serving The administrative status of the as rooms for daily use as well as

Allan F. Dill, assistant professor of architectural engineering, is deputy director of the project and seven others are studying the enviornmental requirements and planning aspects for integrated shelter concepts. They are Melvin Isenberg, as-sociate professor of architectural

ngineering, Walter H. Hill and Rolv O. Enge, assistant professors of architecture, and graduate assistants in architectural engineering Albert Reynolds, Lester Boyer and Roger Kaness. Other staff members are working on structural aspects of the shelter problem.

The researchers have developed n various places where groups two convertible shelter concepts of people have gone into a shelter on which they are concentrating--

the sword, protection against world but also the close continual storage rooms and other facilities which do not need outside light

The latest of these tests took are designed with heavy walls

storage space, visual aids rooms,
ncy shelter.developed.The latest of these tests took are designed with heavy walls
place in Pittsburgh where 30 peo-
place in Pittsburgh where 30 peo-
in the middle of a building so
that they can also suffice as shel-
that they can also suffice as shel-
ive fallout and survive an atomic
attack," said Albright, who was
fresponsible for test projects at
test sites from Feb. 1956 to June
research, and Miss Edna Som-The latest of these tests took are designed with heavy walls
place in Pittsburgh where 30 peo-
in the middle of a building so
that they can also suffice as shel-
to speak in ColoradoRuef and Sommerfeld
To Speak in Colorado
Two faculty members of the
Ruth R. Ruef, assistant dean for
research, and Miss Edna Som-"People are beginning to rea-
place in Pittsburgh where 30 peo-
its to ple spent 2 weeks sealed in a
there were personality clashes,
tatack," said Albright, who was
frayed nerves, unpleasant odors,
designed under a plaza for a type
of room such as storage or visual
age love triangle, the 30 volun-
teers showed that human beings
(an live like sardines for two
works and still survive as human)



Of all the

atomic weapons is now being

Miller said the apartment build ings should all be completed by September 1 and the landscaping finished later in the fall.

> WMAJ Announces TREASURE **HUNT!** \$100 a Week Clues given each day on radio and in stores of participating merchants WEEKLY INCREASE

> OF \$100 IF NO ONE FINDS THE TREASURE Listen Today! **Dial** 1450 on your radio

crazy propositions l've I'm sticking my neck Summer Collegian Subscription Form Address...... City . . .

BEGIN JULY 8th through SEPT. 2nd

Money Order

ever heard, this is the most attractive !

18 ISSUES of THE SUMMER COLLEGIAN for Only 75c

> Mail in the Handy Coupon Today or Bring It Into The Carnegie Office. You'll Be Paces Ahead of the Pack

