

University Dormitory To Open In Fall

Some 250 University of Washington students will become the first occupants of a public urban-renewal-development structure in Seattle when classes open September 29.

Although the university's new residence hall in the Northlake urban-renewal tract is behind schedule in construction, the most westerly unit of the two-unit brick facility will open its doors in the midst of the continuing campus-housing shortage.

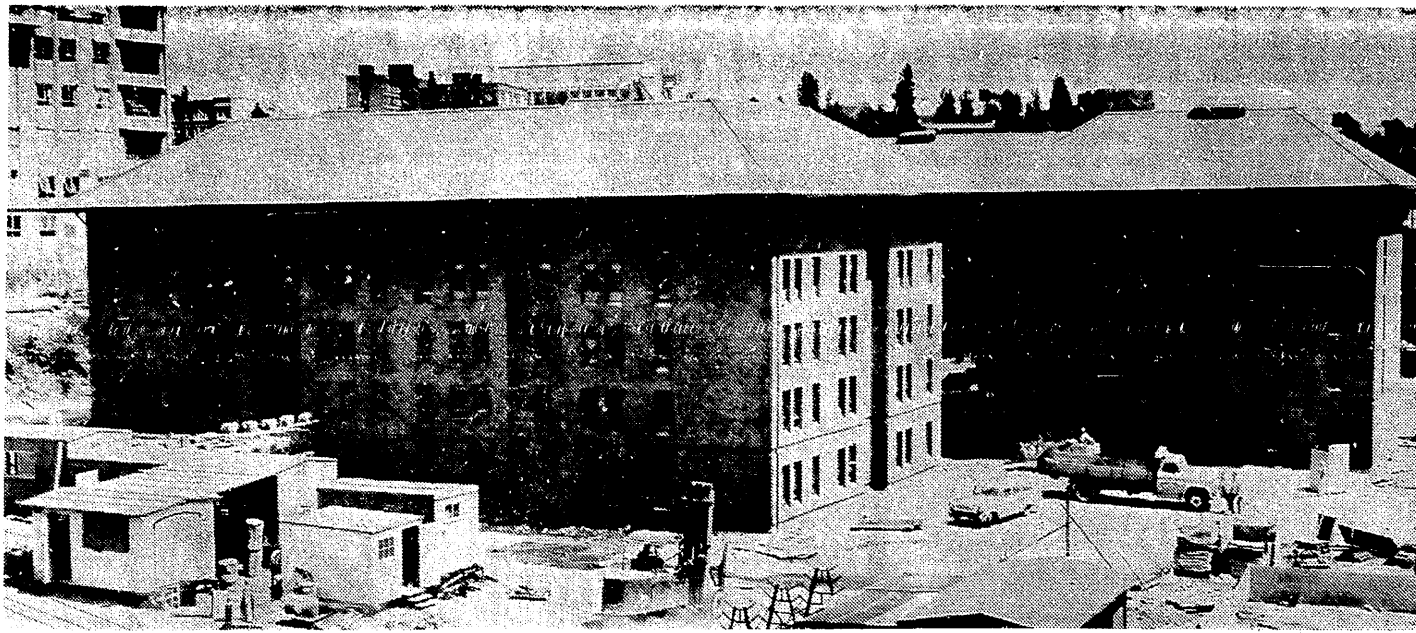
A second unit of the residence hall, to be home to about 200 collegians, is expected to be ready by November 1, said H. S. Thomson, university director of facilities, planning and construction.

HOWEVER, the city's first occupancy milestone in an 11-year urban-renewal history will come September 1 in the South Seattle redevelopment project. That is the occupancy date set for the Huntley Machine Works, a two-story, \$185,000 building.

The South Seattle industrial complex features private development.

The new dormitory, with a total cost of more than \$2.9 million, is unusual in that it has no dining facilities.

"Dining is totally option-



The left unit of the University of Washington's new dormitory in the Northlake urban-renewal project, shown here in a northeasterly view from the University Bridge, will be ready for occupancy when classes open September 29. The Applied Physics Laboratory was at upper left.

al," Thomson said. "Students probably will eat on the Avenue, in other residence halls or the Student Union Building."

THIS INITIAL PHASE of the dormitory has two low-rise buildings of four and five floors, depending upon the land grade.

The original master plan called for more units, including some with dining halls. But the university is in the midst of reassessing its housing construction plans. A faculty-student committee is exploring new kinds of housing, including those of a cooperative nature.

Reasons for the construction delay in the new dormitory include a strike and complications arising out of the death of the contractor. The builder is the Brazier Construction Co. Royal A. McClure designed the residence hall.

Kidney-Research Discovery U. W. Device Cuts Experiment Time

By HILL WILLIAMS
Science Editor, The Times

The professor who spends hours assembling the "plumbing" for a class experiment may get a break from a device that has grown out of artificial-kidney research in Seattle.

The device, originally designed to test the membranes used in the artificial kidney, turns out to have possibilities as a teaching tool and perhaps in the growing industrial field of fluid dynamics.

The dialysis research system (D. R. S.) was developed at the University of Washington. Physio-Control Corp. of Seattle is considering manufacturing the device.

THE HEART of the system is the dialyzer where materials are transferred from one fluid into another through a membrane. (When used as a kidney, body wastes in the patient's blood cross the membrane in the cleansing process.)

But the D. R. S., about twice the size of a standard typewriter, also includes all the pipes, pumps, valves and connections that usually spread over a laboratory bench.

Somewhat to the surprise of the inventors, word spread quickly about the university's device and inquiries began arriving from persons interested in teaching principles of fluid transfer.

In the past, fluid dynamics have been taught mainly with mathematical equations. There was no real chance for a student to see for himself how it works. D. R. S. offers that possibility.

D. R. S. also eliminates another deterrent to fluid-transfer experiments in the classroom.

"FLUID EXPERIMENTS usually involve a pile of junk on a laboratory bench," said Dr. Albert L. Babb, one of the inventors. "Experience shows that the more trouble it is to get equipment together, the less enthusiasm there is on the part of an



DR. ALBERT L. BABB

instructor to carry out an experiment."

Babb, chairman of the nuclear-engineering department, and a graduate student, Lars Grimsrud, developed a test cell with Albert W. Wakefield of the department's laboratory. The test cell became the dialyzer in D. R. S. for which a patent has been applied for by the university.

Compressing the "bench full of plumbing" into one box does more than save wear and tear on an instructor. It eliminates the variability that is inevitable when apparatus is taken down and then set up again.

Evolution of the D. R. S. goes back to the days when Dr. Belding Scribner of the university's School of Medicine was looking for better dialysis processes.

BABB WAS DOING research for the Atomic Energy Commission on purifying the waste stream from nuclear reactors.

"We heard about the Medical School's efforts to clean the blood of kidney patients," Babb said, "and it turned out we had quite a bit of experience that was useful to them."

The usual delay between development of a new device and its manufacture was cut by a new Seattle firm, Innova, Inc. Its purpose is to act as a catalyst to develop new business in the area.

Dr. Diptiman Chakravarti, president of Innova, got Physio-Control and the university people together. Innova will handle marketing of D. R. S. for Physio-Control.

Program to Prepare 12 For Inner-City Teaching

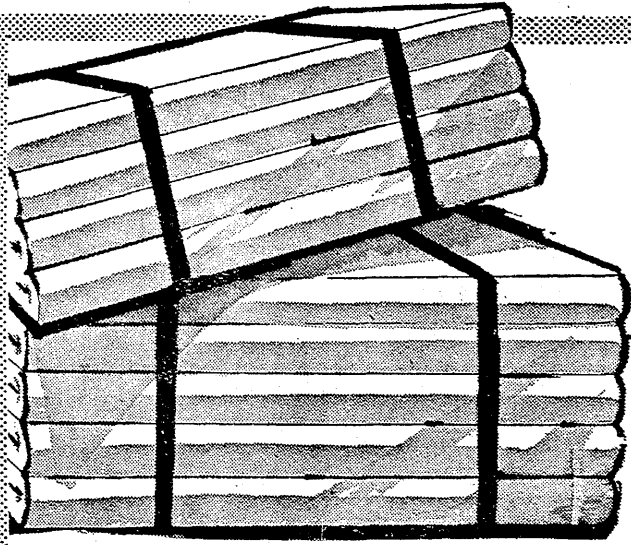
Twelve interns will be selected this summer to participate in a special teacher-education program at Garfield High School in the fall and winter quarters under direction of the University of Washington and the Seattle Public Schools.

The interns will prepare for effective inner-city teaching in secondary schools.

The program is funded by \$90,000 from the Department of Health, Education and Welfare. The interns will receive tuition and \$1,200 a quarter.

Those interns completing certification requirements by spring, 1970, will be guaranteed employment in Seattle schools.

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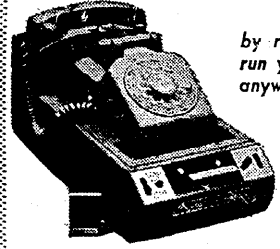


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