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ELECTRIC EXPERIMENTAL LABORATORY NEARS COMPLETION

Construction is still under way on an electric experimental laboratory between the Chemistry Building and Robinson Laboratory to be used as a war research clinic by University Hospital with the department of electrical engineering.

This building, which will be completed sometime in March at an estimated cost of \$22,000, will house an electro-static generator and an electron accelerator, and, according to present plans, will be the first unit in a large laboratory facing the present Chemistry Building which will ultimately house the department of physics, mathematics and electrical engineering.

Research to be carried on in the laboratory will involve the use of X-ray, high-speed electrons, and radio-active material. To protect passers-by from these powerful rays which can easily penetrate an ordinary wall, the building will have double walls of concrete block with earth between them, and is being constructed half above ground and half below.

The electro-static generator will be used to develop three-million-volt X-rays and artificial radio-active substances, while the electron accelerator will produce 20-million-volt X-rays.

The units to be included in the laboratory represent further development in the cooperative research program of the departments of physics, chemistry, electrical engineering and medicine, and are in addition to Ohio State's Radiation Laboratory equipment already in operation which includes the cyclotron, located in the Engineering Experiment Station, and the electron microscope in the Communications Laboratory.