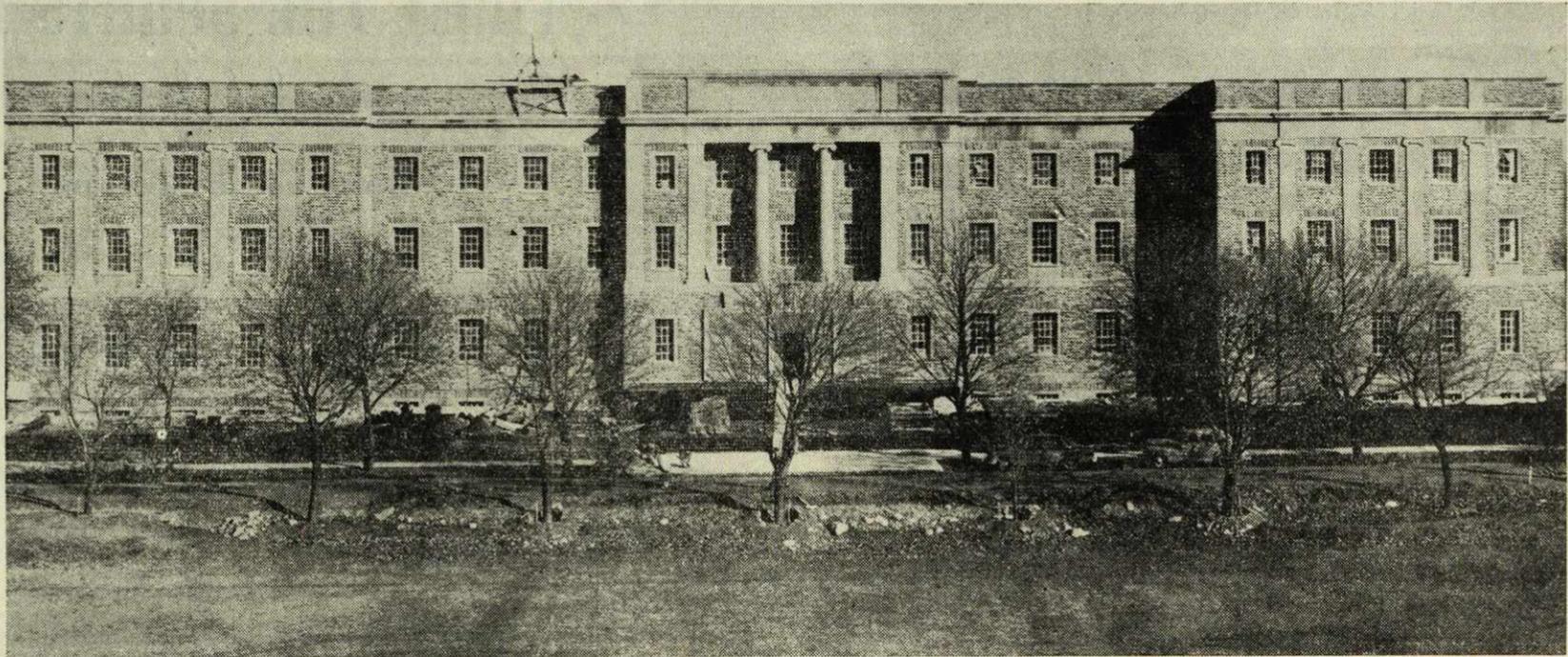


HERE WE'LL WORK



—Photo by Acker.

The SIR JAMES DUNN SCIENCE BUILDING A SCIENTIFIC FIRST FOR DALHOUSIE

By JIM HURLEY

Rising on the north side of Studley campus is a magnificent new science building which is being built by the Sir James Dunn Foundation for the use of Dalhousie University. Lady Dunn turned the first sod for the structure on October 29, 1957, and she laid its cornerstone on October 29, 1958. The date chosen for the two ceremonies is, of course, Sir James Dunn's birthday. The expected date for completion of the building is July 1, 1960, at which time the departments of Geology, Physics and Engineering shall move into the new, commodius quarters.

Georgian Masterpiece

This impressive building has been hailed by leading architectural authorities as the best example of Georgian architecture in the Maritimes. The materials necessary to construct a building of such large dimensions make an amazing list. It is of interest to Geology students to note that 25,000 sq. ft. of iron stone from Purcell's Cove went into the construction. 500 tons of cut sandstone from the quarries at Port Wallis, Nova Scotia, afforded the excellent

trim of the structure, in keeping with the Georgian tradition. Openings around the base of the edifice permit the entrance of natural light into the basement. There are also spaces around the foundations for creeping vines. To show the classic beauty of the building at night, arrangements have been made to floodlight it.

The building has four floors, including the basement. The Geology and Engineering departments will share the third floor, with some

rooms on the second floor and in the basement. The Physics department will have the ground floor and most of the second floor and the basement. The library, the staff common room and a large lecture room on the first floor will be common to the three departments.

Engineering and Geology

The Engineering department will have a large draughting room, capable of seating 126 students at a time, and a seminar room seating 60 students, on the third floor. The department will also use a large instrument room in the basement. A Geology-Engineering lecture room for 100 students with a projection room and nine staff study rooms and offices are also found on the third floor.

The Geology department will have six laboratories for spectroscopy, mineralogy, petrology, photo geology, and photo reproduction, along with a seminar room, four offices and a geology museum. In addition to this, the department will get an X-ray and a Goniometer room and two research rooms on the second floor, with a grinding room in the basement.

Physics Department

The Physics department will be spread over three floors. In the basement, one will find large and well fitted machine and instrument rooms, metal working, wood working and electronics rooms, and a special students' workshop, with a paint shop and a stock room.

Going along the hall to the north, 12 large and medium rooms for research work in physics are found. At the present time, physics research at Dalhousie is largely in solid state physics. For this work, equipment (a cryostat) for producing low temperatures is necessary. It would be interesting to note that even now liquid helium is being produced in the Sir James Dunn Science Building. This allows ex-

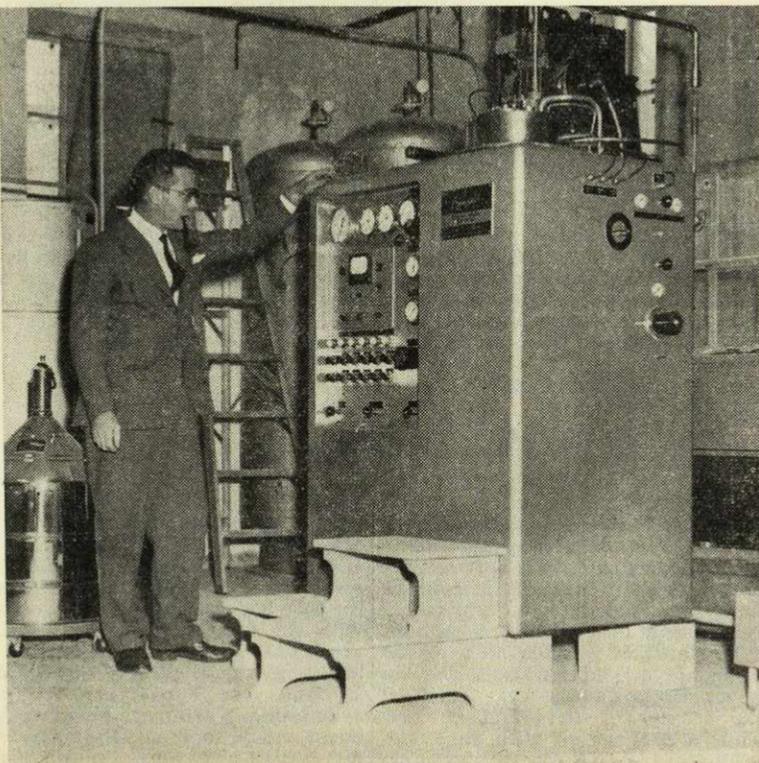
perimentalists to obtain temperatures a degree or so above absolute zero. It is thus possible to cool down substances considerably, which is necessary in order to explore the structure of matter.

Also in the basement, adequate space is provided for geo-physics. On the south side will be found

switch boards controlling the power distribution for lighting, motors and experimental work in the laboratories. The heating equipment for the building is also found in the basement.

When one enters the ground floor on the west side, one discovers a

(Continued on Page 8)



Dr. Guptil affectionately pats the new Cryostat machine, which science claims will cool atoms at an absolute temperature of zero.

—Photo by Acker.

Kitten

new

matching
skirt and
sweater

Go glamorous in this dramatic new one-colour ensemble . . . jumbo-knit pullover in Shetlantex (a beautiful blend with 20% mohair), wide-set turtle neck, easy lines and long sleeves, size 34 to 40, price \$12.95 —with slim Shetlantex skirt—sizes 8 to 20, price \$16.95—at good shops everywhere.

GUARANTEED TO MATCH

Look for the name Kitten

544S