

was in connection with the old museum. The present accommodation is practically limited to an office, two small laboratories, and a class-room. The new Biological Department contains the following rooms: two offices, laboratory for plant physiology and fungi, large general laboratory, two class-rooms, histological laboratory, entomological laboratory, herbarium, two store-rooms, photographic room, museum on ground floor, and an insectary (to be erected soon).

A new era is opening out. The possibilities for increased usefulness in the future are great. Signs are not wanting that "The time is rapidly approaching when a farmer or a gardener will as little dare to neglect the study of the physiology and pathology of plants as a surgeon dare practice without a knowledge of anatomy, or a sailor hope to become a captain without studying navigation." To this essential requirement of farmers and gardeners should be added a knowledge of insects and insect life. To give this knowledge, and to prepare trained investigators who will be able to work out the life-stories of, and the best remedies for, diseases induced by insects and fungi, is one of the functions of the Biological Department. Within the past four years the services of men trained to investigate were urgently needed in Ontario on

five great biological problems which arose, viz., the control of the San Jose Scale, the Hessian Fly, the Pea-weevil, the Grain Rusts, and Fumigation in the Nurseries. Problems more or less difficult are continually coming forward for solution, and trained men will always be in demand for such service. It is to be hoped that the increased facilities for doing good work, which the new Biological Building will furnish, will lead to the achievement of even better results than have been obtained in the past.

In conclusion, to summarize what has been said regarding the THEN and NOW of the Biological Department:—

THEN, an attendance of 159 in the General Courses; one professor without assistance; one room (soon to have four); instruction given chiefly in the form of lectures; correspondence meagre; few demands made on the professor for outside investigations; no short courses; lectures at Farmers' Institutes.

NOW, an attendance of 303 in the general courses, and 422 in the special courses; two professors and a fellow giving instruction; four rooms (soon to have many); instruction given chiefly in the form of laboratory work; correspondence large; many demands on the staff for outside investigation work and short courses; but no lectures at Farmers' Institutes.

W. LOCHHEAD.

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