

wise to ask the various departments to face this possibility and to ask them to present their views of future possibilities of development, say, for the next ten years.

### I. GENERAL DEVELOPMENT

The growth of this, like other departments, depends on (1) the careers to which a study of the subject is necessary and (2) the personnel of the staff. The general trend of development is first discussed under the heading of different careers.

1. High School Teaching. The majority of students taking advanced botany in most universities do so with a view to science teaching in schools, out of this body of students a few take honors and specialize for academic posts. Up to now this inducement has been lacking at McGill University since no botany is taught in the high schools of the Province of Quebec. It seems possible that this will be rectified in the near future with advantage to the department (see suggestions 2 and 3).

2. Agriculture. Most of the technical posts in agricultural botany come under pathology or genetics but plant physiology is as essential subsidiary to these as well as to agronomy and horticulture and should be a subject of greater study and research by agricultural students. Arrangements are in progress whereby the staff of McGill University and students of Macdonald College come into contact both in physiology and genetics (see suggestion 4).

3. Forestry. In view of the close association of McGill University with the pulpwood industry and of the work now being carried on in relation to woodland problems (viz. research in tree physiology, wood structure and log sinkage) it has been suggested by the secretary of the Woodlands Section of the Canadian Pulp and Paper Association that the paper companies might send some of their foresters to McGill for post-graduate study and research if some further facilities were offered. The appointment of a mycologist who would specialize in forest pathology would seem to be the most useful first step in this direction (see suggestion 5).

4. Botanical Survey Work. Though no careers at present offer in this field, the need for the work and the interest shown by the Research Council suggest that something may develop (see suggestion 6).