

II. SPECIFIC SUGGESTIONS

1. Botany 1 and Botany 1M might be made one class. With little if any sacrifice of efficiency this would save teaching time. It is assumed that the amount of laboratory work would not be reduced for 1M but increased for 1.

2. Teaching of Advanced General Botany including Taxonomy: If the present proposal to teach biology and/or botany in the Protestant High Schools of the Province of Quebec comes into effect, an increase would result in the number of students, especially prospective teachers, who would wish to learn more than the mere introduction to the subject given in the half-term course in elementary botany. The present full-course Botany 2 could be developed as a more general course than at present but still specializing in morphology, taxonomy and evolution. This is also a good cultural course for Arts students in general.

3. Summer Course in Botany: If the summer school for teachers at Macdonald College (now proposed) is decided upon, the McGill University staff are prepared to teach botany, and have offered to do so.

4. Cytogenetics and Plant Physiology for Students from Macdonald College: It is proposed that genetics and cytology and plant physiology at McGill University be included in the curriculum of graduate students of plant science (field crops, horticulture, plant pathology) at Macdonald College, both as a minor and, in some cases, as a major subject.

5. Mycology and Forest Pathology: A good mycologist is needed at McGill University. At present there are no facilities for a Ph.D. course in mycology or pathology either at McGill University or Macdonald College. To avoid overlapping with Macdonald and for the reasons given in paragraph 3, a mycologist who would specialize in forest pathology is suggested.

6. Ecology including Taxonomy.

(a) Botanical and Soil Surveys: A great field of research almost untouched in Canada is the relation of vegetation to soil. Botanical as well as chemical experts should be engaged on soil survey work. Indicative plants (species which