

Council enables me to pronounce, with some degree of certainty, my views on the subject, as I propose to do now.

The courses of training given in the Ecole Polytechnique do not qualify adequately students in Chemistry, Physics, Chemical Engineering, Mining Engineering, Metallurgy, &c. as the corresponding courses in McGill and Toronto do. This was shown, in part, in the students who graduated from the Ecole and who applied in 1917 for Studentships and Fellowships under the Research Council. These were by no means lacking in native ability and they would, if they had had sufficient training, have developed into good researchers. It was not wholly or in great part the curriculum of the Ecole that was responsible for this result. The curriculum, as it appears on paper, is not appreciably inadequate, but the instruction given, the laboratory accommodation, and the equipment in apparatus, are not such as to meet the full requirements of the curriculum. The staff, as a whole, could not, I am certain, do more than they do, and yet the result is that the students are not fully trained as compared with those of McGill and Toronto.

The explanation is that the Ecole Polytechnique is attempting to do work with resources that are utterly inadequate. An institution with a budget of \$55,000 to \$65,000 cannot parallel the Faculty of Applied Science of McGill or Toronto, either of which has a budget of, at least, three times that amount. The consequences are, the staff is undermanned, salaries are low and a considerable number of teachers give only part of their time to the institution.

Further, its limited resources practically make it impossible, except in a few subjects, to provide satisfactory post-graduate courses to graduates who wish to specialize in some particular line. This adds to the handicap imposed by the inadequate undergraduate course. It makes it practically impossible for the graduates of the Ecole Polytechnique to win any of the Studentships or Fellowships of the Research Council, much as the members of the latter desire that some French-Canadian students should be awarded such. Unless the re-