Alex.hJohnson, Esq. The main lineseof study would to the Measurement of the Characteristics of Oscillating Circuits, Precision Measurements, Telephone and Telegraph Work and Transmission problems. On the research side we feel that there are two branches which are of very special importance in the communication field and which the University can carry out better than any other organization. (1) The study of the interference of power circuits with neighbouring communication circuits, or as it is usually called "inductive interference." This problem is of ever increasing importance and the Railway Board when called upon to rule on questions of interference has in many cases to call in the services of the Bell Telephone Company since this Company has done a great deal of work on this subject. There are many problems on which the Telephone Company has not the required information and they have repeatedly asked us to carry out research work along such lines, but up to the present time we have not had the required equipment. (2) The second branch of research which we would sarry out in the laboratory is the study of the interference with radio circuits and apparatus caused by faults in over and distribution systems. We are of course aware that Research work of this nature is being done in collaboration with the Department of Marine and Pisheries and the Research Council; nevertheless se think that there is ample room for further work and that it will be many years before all problems will have been solved. We hope the erecting of this new department will enable us to initiate a definite plan of co-operation with the Government in these studies, somewhat as in the case of the Aero-Dynamics Laboratory which the University of Toronto was enabled to establish last year through arrangements made with your department. We shall, of course, be only too glad at all times to consult with the officials of your department or of any other department, regarding any particular problems, and we will do whatever we can to help in thebr solution. In order to perform our task efficiently, it will be necessary for us to have a very thoroughly equipped laboratory. We are prepared to furnish the space and we propose asking the assistance of the principal employers of communication engineers in providing