

22 Chesterfield Ave.,
Westmount, P. Que.,
August 27th, 1933.

Professor C.V. Christie,
Engineering Bldg.,
McGill University,
Montreal.

Dear Professor Christie,

This letter is to confirm our recent conversation over the telephone.

I was laid off by the Northern Electric Co. on June 31st of this year, and it has become apparent that firms are not taking men on their payroll. On the other hand, I have seen evidence of the fact that it is possible to do work on factory process improvement for which companies would be willing to pay without entailing any addition to their permanent staff.

In order to carry out the above idea, I felt an association with McGill University would tend to put me in touch with industry and would permit the use of apparatus to carry on with some development work. Having this in mind, I suggested to you the possibility of giving instruction on the subject of dielectrics including their characteristics and application to the high and low tension fields, as I understand this phase of engineering is not covered to any extent in the present course. If not applicable to the undergraduate work it might apply to the graduate studies. The feeling that you have regarding the nebulous state of dielectric practice of to-day would be dispelled, I think, if I could give you an outline of my proposal. However, you felt there was no room on the present course, and that your staff of demonstrators was complete.

As an alternative I have two suggestions to make. I will undertake the setting-up of a bridge method of measuring capacity, power factor and watts loss of dielectrics up to 150,000 volts. The commercial price of this apparatus including a low loss condenser varies from \$1500 to \$2500 in the States. Utilizing