

JEFFERSON PHYSICAL LABORATORY,

HARVARD UNIVERSITY,

CAMBRIDGE, MASS.

March 25, 1924.

Professor Dr. R. de Montess~~us~~ de Ballore,
56 Rue de Vaugirard,
Paris, France.

My dear Professor de Montessus;

I was very glad to get your letter and to learn that we are to have the pleasure of your society next year as exchange professor. It was also a pleasure to me that you are interested in my high pressure work and have realized the importance for geology of measurements of the compressibility of some of the common rocks. I believe, however, that work of the character you have in mind has been done comparatively recently at the Geophysical Laboratory in Washington, and I would refer you to the paper by L. H. Adams *and* E. D. Williamson, *and* ~~J. Johnston~~, Journal Franklin Institute (Philadelphia), 195, 475-529, 1923. I have also published a few results on this subject myself, and I am taking the liberty of sending you under separate cover my recent paper in Amer. Jour. Sci. 7, 81-102, 1924.

If you should find that the measurements which you had in mind are not covered by either of these papers, I would be very glad to cooperate with you next year in making further measurements, if they are within the possibilities of my apparatus.

I expect to be in Brussels from April 24th to the 30th for the meeting of the Solvay Conference in physics. Several of your countrymen will also attend, among them Professors P. Langevin, M. Brillouin and L. Brillouin. Might I suggest that you might make any special communication to me through either of these gentlemen at the time of the Conference?

Again assuring you of my great pleasure in having you here next year, I am,

Yours sincerely,

P. W. Bridgman