

June 13, 1933

Dr. P. G. Shipley
Johns Hopkins Hospital
Baltimore, Maryland

Dear Dr. Shipley:

One of my associates, Mr. Cholak, who is working on quantitative spectographic estimations of lead, is very much interested in the work which you and your associates have reported in your article "The Spectrographic Detection of Lead in the Blood as an aid to the Clinical Diagnosis of Plumbism" in the Bulletin of Johns Hopkins Hospital for November 1932. He is especially interested in the fact that your controls gave either negative results or questionable traces of lead.

Would you be kind enough to let us know what line or lines you have been using in the detection of lead. Various lines are reported in the literature as for instance λ 3683.5 and 4057.8 are reported as being the most sensitive. At present we are using 2833.2 and we have also made use of 2853.2. With the latter we have been able to detect 0.016 milligrams in a hundred c.c. of blood, using 0.1 c.c. in the negative crater. Our own work is now in the preliminary stages and I am asking, therefore, for the purpose of obtaining information since we hope to profit by the experience of other workers in this field.

Allow me to thank you in advance for your courtesy.

Cordially yours,

RA.:IS

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