



MICHIGAN DEPARTMENT OF HEALTH

ALBERT E. HEUSTIS, M.D., State Health Commissioner

LANSING 4, MICHIGAN

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TEL IVanhoe 4-1491

January 3, 1961

Doctor Robert A. Kehoe
Kettering Laboratory of Applied Physiology
University of Cincinnati
Cincinnati, Ohio

Dear Doctor Kehoe:

In the Journal of Industrial Hygiene, Volume 15, 1933, "On the Normal Absorption and Excretion of Lead", Part 2, you list two tables showing the distribution of lead in tissues of people. I have tried to find reports in literature of later work performed along the same lines and have not been able to do so. In the write up, it is not made clear whether or not the bone marrow is analyzed with the bone sample or whether these two materials are analyzed separately.

Do you have any more recent work which would give information on the exact location of lead in the human body and the mechanism by which it is removed and carried in the blood stream. A recent article implies that the lead in the blood stream is carried as a loosely held compound on the red blood cells and that the administration of EDTA compound merely removes this loosely bound lead and it is excreted via the kidneys. The article also implies that there may be additional lead bound inside of the red cells themselves. Can you supply any information that would clarify the recent thinking on the deposition and removal from the deposition site of lead deposited in the bone or bone marrow?

Very truly yours

Jack D. Torrey
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