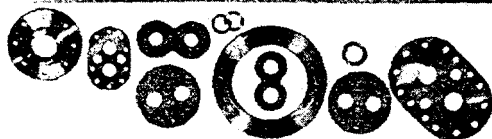


THE

AMERICAN CRUCIBLE PRODUCTS COMPANY



LORAIN—OHIO

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PROMET BRONZES
BABBITS

January 23, 1952

Doctor Robert A. Kehoe
Kettering Laboratories
College of Medicine
Eden Street
Cincinnati 19, Ohio

Dear Doctor Kehoe:

Two questions have come up, and again I have to come to you for some answers.

Can an individual who is breathing in air highly contaminated with lead dust or fumes for several hours sustain a rapid blood lead rise within this period? For example: is it possible that such an individual have a rise from 0.05 to 0.07, the 0.05 being the level before such exposure and the 0.07 being the level after three hours of exposure.

Can an individual who has stored up a large amount of lead in his skeletal system over a period of years have a sudden release of lead into the blood stream without any apparent visible physiological or pathological explanation? In your experience, has such a situation been noted?

I have been unable to pin point answers to the above, and it would appear that if the above situations were present, one blood analysis might not be a reliable index of the individual's general status.

May I thank you in advance for your consideration of these questions.

Very truly yours,

Conrad T. Rusin

Conrad T. Rusin, M. D.

CTR:gs

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