

HENRY W. RYDER, M.D.
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January 22, 1949

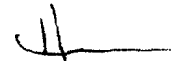
Dr. Robert A. Kehoe
Kettering Laboratory
Eden & Bethesda Avenue
Cincinnati 19, Ohio

Re: Study of Lead
Poisoning

Dear Bob,

Enclosed please find an outline of the topics I feel we can present authoritatively, to the great benefit of clinical, experimental and industrial medicine and to the lead trades. I would like to get started on this as soon as possible, not only for that reason, but also for what it would mean to all of us.

Sincerely,



Henry W. Ryder, M.D.

HWR/dg

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Consultant Services to the Kettering Laboratory.
Course of study to be pursued in 1949.

1. The effect of lead exposure, lead poisoning and BAL treatment on the concentration of lead in human plasma.
2. The errors in the determination of the concentration of lead in human blood.
3. Variations in the concentration of lead in the blood of humans exposed to and removed from inorganic lead dust and fume.
4. Variations in the concentration of lead in the blood of humans exposed to and removed from industrial exposure to tetraethyl lead.
5. The errors in the determination of the concentration of lead in human urine.
6. Variations in the concentration of lead in the urine of humans exposed to and removed from industrial exposure to inorganic lead dust and fume.
7. Variations in the concentration of lead in the urine of humans exposed to and removed from industrial exposure to tetraethyl lead.
8. The association among lead exposure, the signs of lead poisoning, and the symptoms of lead poisoning in men with industrial exposure to inorganic lead dust and fume.
9. The association among lead exposure, the signs of lead poisoning, and the symptoms of lead poisoning in men with industrial exposure to tetraethyl lead.
10. The association among lead exposure, the signs of lead poisoning, and the symptoms of lead poisoning in children exposed to lead by inhalation or ingestion.
11. The effect of lead poisoning and BAL treatment on the concentration of lead in human blood.
12. The effect of lead poisoning and BAL treatment on the concentration of lead in human urine.
13. The effect of therapy on the signs, symptoms and course of lead poisoning in humans.
14. The metabolism of lead in the human body.
15. The total metabolism of lead as affected by BAL and sodium citrate.
16. The estimate of the parameters of the dosage - mortality curve from the pattern of mortality in small groups of animals, each animal being given a different dose.

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