

November 25, 1950

Dr. Robert D. Maddox
Fisher Body Division
4726 Smith Rd.
Cincinnati 12, Ohio

Dear Dr. Maddox:

Your referral of seven men to me, in the last two months, for consideration as to the presence of lead poisoning has led me to summarize my findings on all the men sent me in the last three years. These findings are tabulated on the attached sheet.

Four principal conclusions may be drawn from this study. The first is that while it is possible for some men to work in the booth for months without developing lead poisoning, it does not seem possible to so work without absorbing significant amounts of lead. The second is that men, with routine protection, may develop acute lead poisoning in as short a period as two months. The third is that men working on the line outside the booth have a definite lead exposure, and there is some suggestion that this exposure is getting worse, with one man developing lead poisoning this month after four months exposure, and another an anemia with high blood and urine lead levels after six months exposure. The last conclusion is that effective methods of controlling the hazard have not been introduced yet.

I would like to discuss with you the implications of this study, if you care to. Please call me on your return from your vacation so that I can arrange lunch at the University Club for you and Dr. Scott, if you would like him to come.

Sincerely yours,

Henry W. Ryder, M. D.

HWR:SR

KE 0005196

N 7275

Name	Date	Duration of Exposure	Clinical Dx of Acute Lead Poisoning	Stippling/mil-lion Erythro-cytes	Erythro-cytes, mil-lions/mm. ³	Hemo-globin gm. %	Lead in blood (diluted zone)	Lead in urine mg./l.
	1-1-48	3 mos	No	None		15.	.03	.11
	6-13-49	4 mos	Moderate	None		14.	.23	.24
	6-14-49	4 mos	No	None		16.	.06	.15
	6-20-49	4 mos	Mild	400		14.	.09	.25
	8-16-49	6 mos	Mild	None		16.	.25	.065
	4-10-50	10 mos.	Moderate	1280		12.	.075	.38
	4-11-50	11 mos.	No	None		12.	.07	.45
	8-7-50	2 mos.	Moderate	1600		11.	.38	.34
	10-10-50	4 mos.	Moderate	2600		9.	.075	.105
	11-1-50	4 mos.	No	250		11.	.38	
Exposure: Finish, filling								
	3-9-48	3 yrs.	Slight	1000		13.0	.07	.10
	7-29-49	18 yrs.*1	No	None		16.0	.048*2	.085
	-9-50	24 mos.*3	No	None		15.0	.02	.03
	10-2 50	3 mos.	No	80		13.0	.065	.08
	10-10 50	4 mos.	No	None		12.0	.05	.02
	11-1 50	2 mos.	No	160		11.5	.045	.24
	11-8 50	6 mos.	No	None		11.0	.045	.21
	11- 50	4 mos.	Mild	250		10.0	.05*4	.065

*1 wore a mask

*2 spectrographic method

*3 inspection

*4 one week after last exposure.