

*Follow up, are they
results and there more*

Aluminum Ore Company

East St. Louis, Ill.

May 8, 1947

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

Dear Dr. Kehoe:

During the month of February, we made a routine check on eight painters and one lead burner. At that time, all physical findings were essentially negative and there were no clinical signs of lead poisoning. The men gave the following histories:



Age 38 - Weight 135 - Height 5' 10 $\frac{1}{2}$ "

Occupation: Operates paint spray

Personal habits: Changes clothes in plant. Bathes at home.

General appearance: Cleanly.

Present complaints: Stomach pains for last nine years. Once or twice a year gets pain in region of appendix. Wakes up in morning with "acid taste" in mouth. Bowels are regular, but he does not think he passes enough feces. Eats bran for bulk, but got no improvement. Complete gastro-intestinal examination two years ago by a specialist was negative.

Has been extremely nervous all his life. Chronic insomnia. When he is sleeping, arms and legs get numb, but this passes away when he gets up and moves around.

Came to Dispensary 5-7-47 complaining of pain in heart for the last two weeks. Has been working under a strain for past two weeks, spraying a turbin in the Power Dept. Supervisors have been exerting a great deal of pressure to get the turbin back into service. Examination of heart was negative.

[REDACTED]
Age 34 - Weight 147 - Height 5' 10"

Occupation: Operates paint spray.

Personal habits: Changes clothes in plant. Bathes in plant daily.

General appearance: Cleanly.

Present complaints: Kidney

Gets up two or three times every night to urinate. Drinks lots of water during day to avoid drinking in evening. Drinks beer occasionally.

Stomach

Has indigestion and gas. Pain and burning sensation in epigastric region wakes him at night. Family physician suspects ulcer, and advises Xray examination.

Skin

Gets an eruption on body during winter months. Responds to treatment in the Dispensary - phenolated calomine lotion and temporary withdrawal of raw fruits and fruit juices.

General

Insomnia. Feels tired.

[REDACTED]
Age 76 - Weight 150 - Height 5' 9"

Occupation: Brush man. Is an active painter. Still climbs - No restriction of his duties.

Personal habits: Takes overalls and jumper off in plant. Bathes at home.

General appearance: Skin is clean. Clothing is always covered with paint.

Present complaints: No complaints - Feels good. Hearing is getting dull. Left eye is blind.

[REDACTED]
Age 40 - Weight 154 - Height 5' 6"

Occupation: Uses both spray and brush.

Personal habits: Changes clothes in plant. Bathes at home.

General appearance: Cleanly.

Present complaints: Stomach

Cannot eat greasy food or drink beer. Stomach sours and burns. At times he feels like vomiting, but seldom vomits. Baking soda relieves him. Does not consult a physician.

[REDACTED]
Age 70 - Weight 134 - Height 5' 5½"

Occupation: Brush man.

Personal habits: Changes clothes in plant. Bathes at home.

General appearance: Cleanly.

Present complaints: None. Is active. Skates for exercise. Six years ago positive Kahn was discovered in a routine plant examination. Took treatment for eighteen months. Thinks he was innocently infected in youth while working on a railroad. The cook was known to be syphilitic.

[REDACTED]
Age 54 - Weight 157 - Height 5' 6"

Occupation: Brush painter. Works in shop. Fills paint buckets with red lead from a drum.

Personal habits: Takes off overalls in plant. Bathes at home.

General appearance: Cleanly.

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Present complaints: Has ball bladder disease. Diagnosis made at Veteran's Hospital, Jefferson Barracks, St. Louis, Missouri in 1943. Now on a special diet. Gets along fine if he stays on diet.

Left heel pains because of a fracture of calcaneus received in the plant in 1925.

[REDACTED]
Age 43 - Weight 148 - Height 5' 7"

Occupation: Operates spray gun.

Personal habits: Changes clothes in plant. Bathes in plant.

General appearance: Untidy.

Present complaints: Pain over heart for $1\frac{1}{2}$ years. Has developed fear of height, but when he gets above the ground for awhile, fear passes away. At times he dreads to come to work. Trembles and sweats. Has slight stutter in speech.

[REDACTED]
Age 42 - Weight 156 - Height 5' 8"

Occupation: Brush man.

Personal habits: Changes clothes at home. Bathes at home.

General appearance: Cleanly.

Present complaints: Consulted family physician six weeks ago for cold and gas on stomach. Occasional insomnia. In April had serum sickness from a tetanus antitoxin shot he received in the plant Dispensary. Had serum sickness - later developed cramping and diarrhea with persistent abdominal pain after serum sickness had cleared, and learning he did some painting during the evenings at home, we decided to recheck him for lead absorption. Gall bladder and gastrointestinal series negative.

Physical examination essentially negative except for slight abdominal tenderness diffuse. Complete recovery on bland diet.

[REDACTED]
Age 48 - Weight 195 - Height - 5' 6½"

Occupation: Lead burner.

Personal Habits: Bathes at home. Often wears same clothes at home that he did at work.

General appearance: Skin is kept clean.

Present complaints: Chronic arthritis. Shifts around in feet, knees, and elbows. Is now under treatment. Gets cramps in muscles of legs. When he lays down, gets a peculiar "twitch" in feet and hands. Says it is not a numbness or tingling, but does not know just how to describe the sensation.

Has chronic eczema on right wrist. Responded to Xray treatment, but returned. Is now taking second course of Xray treatment.

Has slight indigestion. Stomach sours and is bothered with gas.

Insomnia. Is tired during the day.

Corrective Measures
Spray Painters

[REDACTED] removed from spray paint work. Additional clean-up time being given to all painters. Eating on job, and carrying lunches to job prohibited.

Lead Burner

New type ventilation system has been installed. This unit fits up to work and is expected to reduce aerial concentrations from 0.90 mg Pb/10 cm to about .05 - .10 mg Pb/10 cm

As soon as we have checked aerial concentrations further, we will send results to you.

Within about three months we would like to obtain additional blood and urine specimens from [REDACTED] and [REDACTED]

Very truly yours,

ALUMINUM ORE COMPANY

[Signature]

V. B. Siegel, M.D.

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