

under Dr. Crandon's *See also in Vitamin C. correspondence*

Physicians' Clinical Laboratory
and
X-ray

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CHICAGO

6/20/40

Robert A. Kehoe, M.D.,
Laboratory of applied Physiology,
Cincinnati, Ohio.

Dear Doctor Kehoe:-

Thanks for your letter of the 18th
and I have already availed myself of your kind offer to
check the polarograph.

I am sending you under separate cover, four
specimens of urine which were taken yesterday. These
specimens are a single voiding, and are unchanged
except for the addition of a crystal of thymol to each
bottle. One hopes that the quantity will be sufficient
for your convenient use, as I am unaware of the amount
of urine required by your technique.

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are as follows :-

#	1350	-	95	r/h	of mine
#	56	-	303	r/h.	
#	36	-	159	r/v.	
#	57	-	151	r/h.	

Numbers 56, 57 and 36 are employed in the dry color industry, and number 1350 is foreman in a plant manufacturing babbit metal bearings.

I should be glad to have an opportunity to try the polarograph on some of your specimens and will be glad to send you as many samples as you desire. The amount we like to use is 80 cc. I believe that the limits of error in our technique are in the range of plus or minus 5%, but this is only a guess on my part, as we have had no check other than the distillate and recovery experiments with the polarograph.

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I see that I did not make myself clear in regard to the letter referred to. The letter was to me in regard to the use of ascorbic acid in lead intoxication, and came to me thru the Industrial Vitamin Products Corporation, of Chicago.

Now having revealed my dual personality, which I have had no intention of concealing from you, I can only repeat that I have been trying to find the answer to some, at least of your questions, relative to ascorbic acid.

We have, at the present time, animal experiments under way to try and find the actual effect of ascorbic acid in lead intoxication, or what is more probably true, the effect of lead on the utilization

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of the vitamins in general, and particularly the water soluble group. My own impression of the experimental evidence so far, is that the absorption of lead produces changes in the vitamin metabolism which are marked clinically, but the mechanism of which is still obscure.

The experimental work is being done under very competent men, and we hope shortly to have some tangible results.

My own interest in ascorbic acid in relation to lead is, I hope, that of any investigator in this field, and in my eyes, negative results are as important as positive ones, and will be reported as promptly.

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I am sorry that you were puzzled about your letter, but hope this clears it up.

Sincerely

Ray E. Cranton

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