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GATES AND CRELLIN LABORATORIES OF CHEMISTRY

July 5, 1942

Professor Wendell M. Latimer,
Department of Chemistry,
University of California,
Berkeley, California

CONFIDENTIAL

Dear Professor Latimer:

Professor Pauling has suggested that in the absence of Dr. Calvin I might write to you regarding the following matters which have to do with the x-ray diffraction studies on salcomine which we are making here.

Dr. Calvin was to have sent me a curve showing the relation of partial pressure of oxygen to the oxygen content of the active material, but he seems to have forgotten about it. Such information will be desirable here in the near future.

We have recently received from Berkeley a small sample marked "from benzene" consisting of fine needles which it was hoped might be used for single crystal photographs. Professor Pauling is not certain whether or not these contain benzene or crystallization and if so under what conditions the benzene could be pumped off. We do understand however that when freed from benzene the resulting material is active. Could you straighten us out about this?

I expect to forward in a day or two a report on the first month of operations here for inclusion in the regular monthly report from your laboratory, which I understand is due July 15.

Sincerely,

Edward W. Hughes
Edward W. Hughes

Research Fellow

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