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Professor Melvin Calvin  
Department of Chemistry  
University of California  
Berkeley, California

**CONFIDENTIAL**

Dear Professor Calvin:

I am transmitting herewith the report for August and acknowledging receipt of your letter of September 1. The acknowledgment I fear is a bit late.

There is an error in the numbering of the list of samples included in your letter. (1) is merely directions for drying the sample listed as (2) but which actually should be (1). Consequently all the following numbers are one too high. The sublimed crystals should be (18).

I have already waved the priority numbers before the mechanician to get him to chop up a rod of dural into cathode buttons for the x-ray tubes but I must ask his supervisor if this actually constitutes a use of the priority in the sense they will report it to the authorities.

You will note from the portion of the report dealing with the sublimed material that in the brief time available I have turned up more than the usual quota of unexpected difficulties. Have you as yet noticed any way of distinguishing between active and inactive crystals by appearance only? I selected the three crystals mentioned and was almost certain they were active but this was not so. I can't see that any of the rest look substantially different. What do you think about the suggested difference between sublimed and unsublimed inactive crystals? Is it possible that this could also have happened to active materials? Were the active crystals from benzene extracted from active or inactive material? I must admit it all seems pretty fishy but I am also pretty sure of the facts and can think of no other explanation.

I have written Dr. Max Rogers at U.C.L.A. asking him to write to you about the possibilities of getting magnetic anisotropies measured. I hope you have already heard from him.

My visit to Berkeley was a very pleasant and a very instructive one. You and the others are turning out a lot of work and I hope I can help. Many thanks to you and to them for a very profitable day and a most pleasant evening.

Best regards to all,

Sincerely yours,

*Edward W. Hughes*  
Edward W. Hughes

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Enclosures-2

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