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June 13, 1942

~~CONFIDENTIAL~~

Professor H. C. Diehl  
 Department of Chemistry  
 Iowa State College  
 Ames, Iowa.

Dear Diehl:

I am enclosing a copy of this month's report, which I hope you will find of interest. The analytical data fully confirms our suggestion of irreparable damage to the organic residues.

Our oil suspension equipment should be in running condition within a week now. We have expended a good deal of effort and care in preliminary experiments and it should go fairly well right off. As soon as we know, I will have the data and drawings sent to Burns.

We have just obtained a very interesting bit of data which is not in the report. The 3-methoxy which you sent in the small bottle appears to have 3 unpaired electrons. Furthermore, after deoxygenating it at 110°C it only takes up about 1% at 100 lbs. O<sub>2</sub>.

There are so many things that I would like to talk to you about that I hesitate to even start it in a letter. I hope that I may see you soon if only things would get straightened out here.

Very truly yours,

Melvin Calvin

CLASSIFICATION CANCELLED OR

CHANGED TO Unclassified

BY AUTH. CG DAR-1 4.3.1

BY David S. [unclear] 4/4/96

By W. Ferdinand ADD 3/13/96

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