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DEPARTMENT OF CHEMISTRY

THE OHIO STATE UNIVERSITY
GEORGE W. RIGHTMIRE, President
COLUMBUS

October 3^d 1930

Dear Dr. Kehoe.

I have mailed to you a sample of $C_2F_3Cl_3$, boiling at $47.2^\circ C$. It is to be studied for toxicity for Frigidine, where it is known by the name of F 113. I am preparing at the present time $C_2Cl_2F_4$, boiling at about $3^\circ C$, and shall let you have it as soon as purified.

I have seen this morning your letter to Mr. Midgley. I have been directed to prepare more $C_2ClF=CClF$, and this will be done rapidly. With regard to the odor, I beg to point out that the freshly prepared compound was nearly odorless, and not unpleasant. I suspect partial oxidation, which should not be hard to overcome. Addition of a trace of alcohol, and storage in the dark would help. Anyway, this will be investigated. I also intend to prepare $CClF:CF_2$ and $CF_2:CF_2$. They will be gases. Please let me know if you agree on this program of research.

CCF:CCF can be helped in what way they want.
For without much trouble, at the present time. Please
advise us with regard to the quantities you would
like to have at your disposal. I would like to establish
some kind of a schedule here.

Would you please send the correspondence hereto,
to provide to or from this office? I am prepared to
exchange the information.

With kind regards from

Sincerely yours

Albert A. Hume