Washington, D. C.

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To: E. P. Wheeler

Main Office

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As I indicated some time ago, BuShips was going to try to saturate air with Pydraul 150 at 80° F. to determine how much Aroclor would be present They were able to get the Naval Medical Research Institute to saturate approximately 90 liters of air and then extract the Pydraul 150 with isopropyl alcohol. The analysis of this isopropyl alcohol solution was turned over to the laboratory at Annapolis. According to Micky Alpert, infra red gave negative results and ultra violet indicated approximately 4 patts per million in the sample. This was calculated to be .15 parts per million Pydraul 150 in air at 80° F. They feel the ultraviolet analysis is not specific for Aroclor but shows up all aromatics. If they assume the Aroclor concentration to be equivalent to that occurring in Pydraul 150 the concentration would be low enough to be acceptable for submarine use. If the work now being done at Kettering substantiates this I feel sure Pydraul 150 will be tried in service as a periscope hydraulic fluid. Am most anxious to hear from you concerning Kettering's results.

G. Robert Sido

S/s

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