June 14, 1950

Hydraul 150

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Dear Joe:

Confirming our earlier telephone conversation and our discussion today, would you please proceed with the following studies on Pydraul 150:

(1) Determine the amount of Aroclor present in air saturated with Pydraul 150 at 72°F and 80°F. We do not have this information but feel sure the Navy wants it as obtained by experimentation and not calculation using partial pressures, etc.

(2) Determine the odor level in air at 80°F and the concentration at which odor becomes offensive because of irritation, unpleasantness, etc.

(3) Determine whether or not a scrubber containing 30% monoethanolamine in water will remove Aroclor vapors. As you know, the Navy uses ethanolamines to scrub CO_2 from the air aboard submarines. Can you set up an experiment where air at 80°F saturated with Pydraul 150 would pass through the scrubber and then analyze the scrubber effluent for Aroclor. It may be desirable to first run the experiment using Aroclor 1242 alone and then with air saturated with the Pydraul 150.

This study may be designated as Project No. 55.

Could you give me some idea of what such an investigation would cost?

Sincerely,

Elmer P. Wheeler
Assistant Director
Medical Department

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