DR. J. W. BARRETT - London. 27.2.54.

WEH/GK. AROCLOR TOXICITY.
Your memo of February 23rd.

c.c. Dr. D.V.N. Hardy.
Dr. W.McG. Morgan.
Dr. H.R. Newman.

After going through our files at Rumbon and Newport we have only been able to find one Aroclor report containing data on Aroclor Toxicity.

This report No. 2215, Final Report on 'Aroclor Data Book', by R.R. Knight, dated April 27th, 1948 has a small section on physiological effects.

The first deals with skin effects and is based on information from BIOS reports. It indicates how such troubles as chloracne and internal sickness experienced in the early days when people were handling chlorinated hydrocarbons could be avoided by adoption of suitable methods of hygiene, and the use of a suitable barrier cream.

The second section which is taken from The Journal of Industrial Hygiene and Toxicology, Volume 20, Number 2, February 1938, gives a brief description of the systemic toxicity effect which chlorinated hydrocarbons including chlorinated byphenols can cause. Liver damage is of course the outstanding effect and of the various hydrocarbons tested, diphenyl gave evidence as being the most toxic. It is indicated that in white rats breathing air containing around 0.57 mgms. per cu. m. over a period of 134 - 143 days caused liver injury.

Chlorinated
Chlorinated

W. E. HAMER.

MONS 095192