INSTITUTE OF ANALYTICAL CHEMISTRY
UNIVERSITY OF STOCKHOLM
Roslagsvägen 90, Stockholm 50, Sweden

Stockholm, February 27, 1967

Mr Gene C.Wilde
Plasticizer Sales Dept.
Monsanto Co
800 Lindbergh Bld
St Louis, Missouri 63166, USA

Dear Mr Wilde,

Thank you for your letter of January 24, which was on my desk when I returned from a lecture trip to Germany. During this trip I gave a lecture at Bayer AG, Leverkusen, a company manufacturing polychlorinated biphenyls under the trade name of Clophen A 50 and A 30. During the intense discussion which followed my lecture there were no objections to our analytical findings except for the possibility of one of the PCB isomers to be formed at the decomposition of Lindane; over three chloro bensene. Although we do not have a scientific proof against this assumption made by an application chemist of Bayer - I think the reaction is very unlikely and only responsible for one of the PCB isomers. - The chromatogram added to this letter demonstrates the increase of the higher chlorinated PCB's through a food chain and the decrease of the lower ones; this is against the "lindane-theory". Remark also the non-presence of PCB in a non-aquabic animal.

At present we are discussing the plans for the toxilogical investigations to be done in collaboration with prof. Bo Holmstedt, head of the Toxilogical Dept. of the Carolin Institute. However, it is my firm impression that the toxilogical work to be done is of such a great extent that it has to be divided between more toxilogical laboratories. Moreover, more analytical work has to be done to aid the toxicological work.

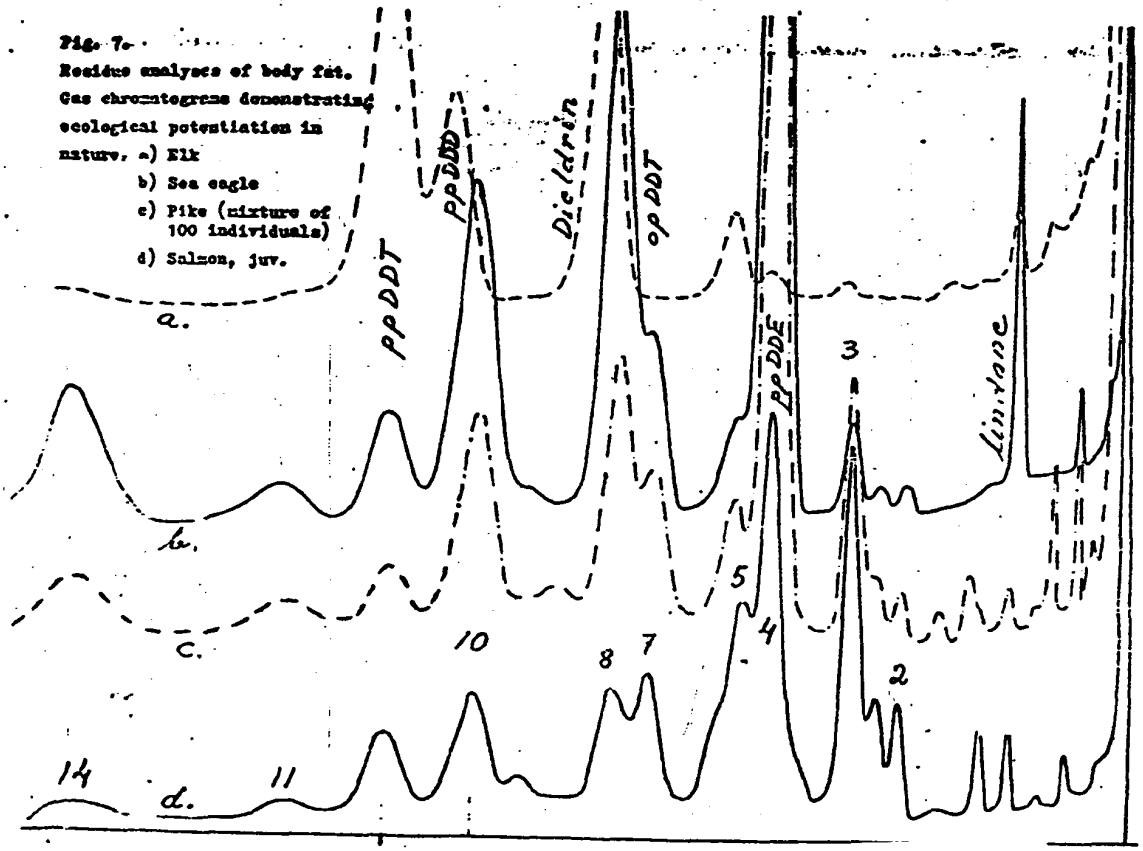
During my visit to Germany your Swedish representant, Riising and Strand Co (Mr O.Palm) has been in contact with Mr Sören Jensen of this institute. At their discussion Mr Palm was given a manuscript of a lecture which Mr Jensen recently gave for the board of the Swedish Committee of Natural Resources. A copy of this lecture has been sent to Monsanto. It has to be

underlined that, according to the agreement between these two gentlemen, this manuscript must only be in use inside Monsanto. Please inform your collegues of Monsanto of this limitation.

Sincerely Yours

Gunnar Widmark

Gunnar Widmark


Fig. 7.
Residue analyses of body fat.
Gas chromatograms demonstrating ecological potentiation in nature. a) Elk
b) Sea eagle
c) Pike (mixture of 100 individuals)
d) Salmon, juv.
a.
b.
c.
d.
pp DDT
pp DDD
Dieldrin
op DDT
pp DDE
Lindane
14
11
10
8
7
5
4
3
2
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