National Institute of Environmental Health Sciences

Meeting on Polychlorinated Biphenyls (PCBs)

Quail Roost Conference Center

Rougemont, North Carolina

December 20-21, 1971

MONDAY, DECEMBER 20

8:50- 9:00	Welcoming Remarks	David P. Rall
	SESSION I: Chemistry	Chairman: Lawrence Fishbein
9:00- 9:30	*Chemistry - General Summary* *J. William Cook*	
9:30- 9:40	*Discussion*	
	SESSION II: Environmental Aspects	Chairman: J. Clarence Davies
9:40-10:00	*Photochemical Behaviour of Chlorobiphenyls (PCB)* *O. Hutzinger* and S. Safe*	
10:00-10:05	*Discussion*	
10:05-10:25	*Break*	
10:25-10:45	*Rates and Routes of Transport of PCBs in the Environment* *Adel F. Sarofim* and Ian C. T. Nisbet*	
10:45-10:50	*Discussion*	
10:50-11:10	*Accumulation of Polcyhlorinated Biphenyls in Ecosystems* *Robert W. Risebrough* and Brock de Lappe*	
11:10-11:15	*Discussion*	
11:15-11:25	*Contamination of the Bay of Fundy-Gulf of Maine Area with Polychlorinated Biphenyls, Polychlorinated Terphenyls, Chlorinated Dibenzodioxins, and Dibenzofurans* *V. Zitko,* O. Hutzinger and P. M. K. Choi*	
11:25-11:35	*Chlorobiphenyls (PCBs) in Wisconsin Natural Waters* *Gilman D. Veith*	
11:35-11:45	*Discussion*	

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11:45-11:55	*Polychlorinated Biphenyl Residues in the Milk of Environmentally and Experimentally Contaminated Cows* G. F. Fries
11:55-12:05	*Polychlorinated Biphenyls in Non-carbon Copying Paper* Masanori Kuratsune* and Yoshito Masuda
12:05-12:15	*PCB and the Paper Industry -- A Progress Report* Paul Trout
12:15- 1:45	Lunch
1:45- 2:05	*Levels of Polychlorinated Biphenyls (PCB) in Swedish Foods* Fredrik Berglund
2:05- 2:15	Discussion
2:15- 2:35	*Occurrence of Polychlorinated Biphenyls in Humans* Harold A. Price
2:35- 2:45	*On the Incidence of PCBs in Humans* Anne R. Vobs
2:45- 3:00	Discussion
3:00- 3:20	Break
3:20- 3:40	*Food Exposures to Polychlorinated Biphenyls* Albert C. Kolbye, Jr.
3:40- 3:50	Discussion

SESSION III: Toxicology Chairman: Albert C. Kolbye, Jr.

3:50- 4:00	*Polychlorinated Biphenyls: Their Effects on Penned Pheasants* Robert S. Dahlgren,* Raymond L. Linder and C. W. Carlson
4:00- 4:10	*Effect of Aroclor 1254 on Ring Doves and Kestrels* David B. Peakall,* Jefferey L. Lincer and Stephen E. Bloom
4.10- 4.30	*Toxicity of PCB on Non-human Mammals and on Birds* J. G. Vos
4:30- 4:35	Discussion
4:35- 4:55	*Toxicological Studies with Polychlorinated Biphenyls*

4:55- 5:00 Discussion

5:00- 5:20 Epidemiologic Study on "Yusho", a Poisoning Caused by Rice Oil Contaminated with Polychlorinated Biphenyls
Masanori Kuratsune,* Takesumi Yoshimura, Junichi Matsuzake and Atsuko Yamaguchi

5:20- 5:30 Discussion

6:00- 7:00 Social Hour

/:00 Dinner

TUESDAY, DECEMBER 21

SESSION IV: Biochemical Actions Chairman: Edward J. Burger, Jr.

9:00- 9:20 Chlorinated Aromatic Hydrocarbon Induced Modifications of the Hepatic Endoplasmic Reticulum: Concentric Membrane Arrays
D. H. Norback and J. R. Allen*

9:20- 9:30 Biological Effects of Polychlorinated Biphenyls in Rats and Quail
Joel Bitman,* Helene C. Cecil and Susan J. Harris

9:30- 9:40 Discussion

9:40-10:00 PCB and Interactions with Insecticides
E. Paul Lichtenstein

10:00-10:20 Polychlorinated Biphenyl Interactions with Tissue Culture Cells
Roger Hoopingarner,* Albert Samuel and David Krause

10:20-10:35 Discussion

10:35-10:55 Break

10:55-11:05 Toxicities of PCBs to Fish and Environmental Residues in Fish
David Stalling* and Foster L. Mayer, Jr.

11:05-11:20 The Sensitivity of Fish ATPases to Polychlorinated Biphenyls
L. K. Cutkomp

11:20-11:30 DDT and Aroclor 1221 (Monsanto) Disrupt Osmoregulation in Marine Adapted Eels (Anguilla rostrats) and Killifish (Fundulus heteroclita
William B. Kinter,* Louise S. Merkens, Ralph H. Janicki and Anthony M. Guarino

*Speaker

11:30-11:50 *Discussion*

11:50-12:00 *Polychlorinated Biphenyl (Aroclor 1242): Effects of Uptake on E. coli Growth*
J. E. Keil, C. D. Graber, L. E. Priester[a] and S. H. Sandifer

12:00-12:10 *Discussion*

12:10- 2:00 *Lunch*

SESSION V: Alternatives Chairman: David P. Rall

2:00- 2:20 *Use and Replaceability of Polychlorinated Biphenyls*
Martin G. Broadhurst

2:20- 2:50 *Discussion*

2:50- 3:10 *Break*

SESSION VI: Where Do We Go From Here?

3:10- 3:30 *Norton Nelson*

3:30- 4:00 *Discussion*

4:00 *Adjourn*

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