

BRADLEY & MERRELL
JONES, JONES, CLOSE & BROWN, CHARTERED
Seventh Floor — Bank of America Plaza
300 South Fourth Street
Las Vegas, Nevada 89101-6026
(702) 385-4202

MESSAGE FROM XEROX 7024: (702) 385-1655

DATE: 2-23-93

TO: Ralph Bradley, Esq. FAX #: 314-331-9029

PHONE #:

FROM: Roberta Straub, Esq.

CLIENT/MATTER: Nevada Power v. Monsanto

CLIENT/MATTER NO.: 11927.2

DOCUMENT(S) DESCRIPTION: Bibliography

NUMBER OF PAGES (including cover page): 27

MESSAGE: We Found the Bibliography

THIS TELECOPY IS INTENDED ONLY FOR THE ADDRESSEE NAMED ABOVE. IT MAY CONTAIN INFORMATION THAT IS PRIVILEGED AND CONFIDENTIAL. IF YOU HAVE RECEIVED THE TELECOPY IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, DESTROY ALL COPIES, AND DO NOT DISSEMINATE THE INFORMATION TO ANYONE. THANK YOU FOR YOUR ASSISTANCE.

IF YOU EXPERIENCE PROBLEMS WITH THIS TRANSMISSION,
please call (702) 385-4202 and ask for: Robert Osterloh, Ext. 615

TRANSMIT CONFIRMATION REPORT

NO. : 008
RECEIVER : 314 331 9029
TRANSMITTER : BRADLEY * MERRELL
DATE : FEB 23 '93 17:23
DURATION : 14'10
MODE : STD
PAGES : 26
RESULT : OK

BRADLEY & MERRELL
JONES, JONES, CLOSE & BROWN, CHARTERED
Seventh Floor — Bank of America Plaza
300 South Fourth Street
Las Vegas, Nevada 89101-6026
(702) 385-4202

MESSAGE FROM XEROX 7024: (702) 385-1655

DATE: 2-23-93

TO: Ralph Bradley, Esq. **FAX #:** (314) 421-0239
PHONE #: (314) 421-4800

FROM: Roberta Straub, Esq.

CLIENT/MATTER: Nevada Power v. Monsanto

CLIENT/MATTER NO.: 11927.2

DOCUMENT(S) DESCRIPTION: Bibliography Re: The final report the subcommittee on the health effects of polychlorinated biphenyls and polybrominated biphenyls dated July 1976 by the Dept. of Health Education & Welfare, Washington D.C.
NUMBER OF PAGES (including cover page): 30

MESSAGE:

THIS TELECOPY IS INTENDED ONLY FOR THE ADDRESSEE NAMED ABOVE. IT MAY CONTAIN INFORMATION THAT IS PRIVILEGED AND CONFIDENTIAL. IF YOU HAVE RECEIVED THE TELECOPY IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, DESTROY ALL COPIES, AND DO NOT DISSEMINATE THE INFORMATION TO ANYONE. THANK YOU FOR YOUR ASSISTANCE.

IF YOU EXPERIENCE PROBLEMS WITH THIS TRANSMISSION,
please call (702) 385-4202 and ask for: Robert Osterloh, Ext. 615

TRANSMIT CONFIRMATION REPORT

NO. : 007
RECEIVER : 13144210239
TRANSMITTER : BRADLEY * MERRELL
DATE : FEB 23 '93 15:14
DURATION : 18'32
MODE : STD
PAGES : 30
RESULT : OK

VIII. REFERENCES

1. Hutzinger O, Safe S, Zitko V: The Chemistry of PCBs. Cleveland, The Chemical Rubber Co Press, 1974, pp 3,4,7-9,22,23,197-220,243-48
2. Miaure JP, Hicks O, Kaley RG, Saeger VW: Characterization of Polychlorinated Biphenyls, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 84-93
3. Kuratsune M (ed): Environmental Health Criteria for Polychlorinated Bi- and Terphenyls—WHO Environmental Health Criteria Programme (Japanese document to World Health Organization). Fukuoka, Japan, Public Health Association, Japan Environmental Agency, 1974, 159 pp
4. American National Standard: Guidelines for Handling and Disposal of Capacitor- and Transformer-Grade Askarels Containing Polychlorinated Biphenyls, ANSI C107.1-1974. New York, American National Standards Institute Inc, 1974, 35 pp
5. Leardini T: The properties of askarels and recommendations for their use in electrical equipment. Study Committee No 15, Working Group 02, Cigre' No. 35:11-31, 1974
6. Ugawa M, Nakamura A, Kashimoto T: Studies on a calculation method for polychlorinated biphenyl isomers (PCBs), in New Methods in Environmental Chemistry and Toxicology—A Collection of Papers Presented at the Research Conference on New Methodology in Ecological Chemistry, Susono, Japan, November 23, 24, 25, 1973. Tokyo, International Academic Printing Co Ltd, 1973, pp 253-67
7. Jensen S, Sundstrom G: Structures and levels of most chlorebiphenyls in two technical PCB products and in human adipose tissue. Ambio 3:70-76, 1974
8. Tas AC, de Vos RH: Characterization of four major components in a technical polychlorinated biphenyl mixture. Environ Sci Tech 5:1216-18, 1971
9. OECD recommends restricted use of polychlorinated biphenyls. Eur Chem News, March 2, 1973, p 21
10. PCB family of chemicals found presenting a threat to man; law proposed to limit use, impact. Commerce Today, May 15, 1972, pp 29,30
11. Tas AC, Kleipool RJC: Characterization of the components of technically polychlorinated biphenyl mixtures—II. Bull Environ Contam Toxicol 8:32-37, 1972

12. Hirwe SN, Borchard RE, Hansen LG, Metcalf RL: Gas-liquid chromatography—Mass spectrometric characterization of Aroclor 1242 and 1254 components. Bull Environ Contam Toxicol 12:138-44, 1974
13. Saeki S, Tsutsui K, Oguri H, Yoshimura H, Hamana M: [The isolation and structure elucidation of the main components of Kanechlor-400 (chlorobiphenyls).] Fukuoka Acta Med 62:20-24, 1971 (Jap)
14. Sissons D, Welti D: Structural identification of polychlorinated biphenyls in commercial mixtures by gas-liquid chromatography, nuclear magnetic resonance and mass spectrometry. J Chromatogr 60:15-32, 1971
15. Webb RG, McCall AC: Identities of polychlorinated biphenyl isomers in Aroclors. J Assoc Off Anal Chem 55:746-52, 1972
16. Willis DE, Addison RF: Identification and estimation of the major components of a commercial polychlorinated biphenyl mixture, Aroclor 1221. J Fish Res Board Can 29:592-95, 1972
17. Nagayama J, Kuratsune M, Masuda Y: Determination of chlorinated dibenzofurans in Kanechlors and "Yusho Oil." Bull Environ Contam Toxicol 15:9-13, 1976
18. Roach JAG, Pomerantz IH: The findings of chlorinated dibenzofurans in a Japanese polychlorinated biphenyl sample. Bull Environ Contam Toxicol 12:338-42, 1974
19. Vos JG, Koeman JH, Van Der Maas HL, Ten Noever De Brauw MC, De Vos RH: Identification and toxicological evaluation of chlorinated dibenzofuran and chlorinated naphthalene in two commercial polychlorinated biphenyls. Fd Cosmet Toxicol 8:625-33, 1970
20. Nagayama J, Masuda Y, Kuratsune M: Chlorinated dibenzofurans in Kanechlors and rice oils used by patients with Yusho. Fukuoka Acta Med 66:593-99, 1975
21. Bowes GW, Mulvihill MJ, Simoneit BRT, Burlingame AL, Risebrough RW: Identification of chlorinated dibenzofurans in American polychlorinated biphenyls. Nature 256:305-07, 1975
22. Curley A, Burse VW, Jennings RW, Villanueva EC, Kimbrough RD: Evidence of tetrachlorodibenzofuran (TCDF) in Aroclor 1254, and the urine of rats following dietary exposure to Aroclor 1254. Bull Environ Contam Toxicol 14:153-58, 1975
23. Bowes GW, Simoneit BR, Burlingame AL, de Lappe BW, Risebrough RW: The search for chlorinated dibenzofurans and chlorinated dibenzodioxins in wildlife populations showing elevated levels of embryonic death. Environ Health Perspect, Experimental issue No. 5, September 1973, pp 191-98

24. American Society for Testing and Materials: Standard specification for chlorinated aromatic hydrocarbons (Askarels) for transformers, ASTM D 2283-75, 1975, pp 493-95
25. Transformer Askarel Inspection and Maintenance Guide, Bulletin IC/FF-38R. St Louis, Monsanto Industrial Chemicals Co, March 1975, 25 pp
26. Fuller B, Gordon J, Kornreich M: Environmental Assessment of PCBs in the Atmosphere, rev, MTR-7210. McLean, Va, Mitre Corporation, pp 2-6, 2-7, 4-1 to 4-23, 5-2 to 5-14, 5-23, 1976
27. Durfee RL: Production and Usage of PCBs in the United States, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 103-07
28. Rollins RL: PCBs in Capacitor Applications, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 306-08
29. Kopp TE: PCB Disposal, Reclaiming, and Treatment, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 108-23
30. Kleinert SJ: Sources of Polychlorinated Biphenyls in Wisconsin, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 124-26
31. Hesse JL: Polychlorinated Biphenyl Usage and Sources of Loss to the Environment in Michigan, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 127-33
32. Sato M, Hasegawa H: [Amount of PCB in blood of laborers.] Jpn J Ind Health 16:365, 1974 (Jap)
33. Fujiwara K et al: [Discovery of PCB pollution at textile factory--II. Follow-up study on causes of environmental pollution.] Jpn J Public Health 22:461, 1975 (Jap)
34. Chlorinated Diphenyls and Naphthalenes, in Gafafer WM (ed): Occupational Diseases--A Guide to Their Recognition, PHS Publication No. 1097. US Dept of Health, Education, and Welfare, Public Health Service, 1966, pp 117-18
35. Lloyd JW, Moore RM, Woolf BS, Stein HP: Polychlorinated biphenyls. J Occup Med 18:109-13, 1976

36. Price HA, Welch RL: Occurrence of polychlorinated biphenyls in humans. Environ Health Perspect, Experimental issue No. 1, April 1972, pp 73-78
37. Nisbet ICT, Sarofim AF: Rates and routes of transport of PCBs in the environment. Environ Health Perspect, Experimental issue No. 1, April 1972, pp 21-38
38. Kutz FW, Yang HSC: A Note on Polychlorinated Biphenyls in Air, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, p 182
39. Bush B, Tumasonis CF, Baker FD: Toxicity and persistence of PCB homologs and isomers in the avian system. Arch Environ Contam Toxicol 2:195-212, 1974
40. Melancon MJ, Lech JJ: Isolation and identification of a polar metabolite of tetrachlorobiphenyl from bile of rainbow trout exposed to C-14-tetrachlorobiphenyl. Bull Environ Contam Toxicol 15:181-88, 1976
41. Gardner AM, Righter HF, Roach JAG: Excretion of hydroxylated polychlorinated biphenyl metabolites in cow's milk. J Assoc Off Anal Chem 59:273-77, 1976
42. Platonow NS, Meads EB: Distribution and excretion of two chlorinated biphenyl isomers--4-chlorobiphenyl and decachlorobiphenyl in lactating bovine. Can J Comp Med 39:104-06, 1975
43. Jan J, Komar M, Milohnoja M: Excretion of some pure PCB isomers in milk of cows. Bull Environ Contam Toxicol 13:313-15, 1975
44. Fries GF: Polychlorinated biphenyl residues in milk of environmentally and experimentally contaminated cows. Environ Health Perspect, Environmental issue No. 1, April 1972, pp 55-59
45. Platonow NS, Funnell HS, Bullock DH, Arnott DR, Saschenbrecker PW, Grieve DG: Fate of polychlorinated biphenyls in dairy products processed from milk of exposed cows. J Dairy Sci 54:1305-08, 1971
46. Jelinek CF, Corneliussen PE: Levels of PCB's in the US Food Supply, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 147-54
47. Block WD, Cornish HH: Metabolism of biphenyl and 4-chlorobiphenyl in the rabbit. J Biol Chem 234:3301-02, 1959
48. Tulp MTHM, Sundstrom G, Hutzinger O: The metabolism of 4,4'-dichlorobiphenyl in rats and frogs. Chemosphere 5:425-32, 1976

49. Yamamoto H, Yoshimura H: Metabolic studies on polychlorinated biphenyls--III. Complete structure and acute toxicity of the metabolites of 2,4,3',4'-tetrachlorobiphenyl. Chem Pharm Bull (Tokyo) 21:2237-42, 1973
50. Peterson RE, Seymour JL, Allen JR: Distribution and biliary excretion of polychlorinated biphenyls in rats. Toxicol Appl Pharmacol 38:609-19, 1976
51. Allen JR, Norback DH: Pathobiological Responses of Primates to Polychlorinated Biphenyl Exposure, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004, US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 43-49
52. Berlin M, Gage J, Holm S: Distribution and metabolism of 2,4,5,2',5'-pentachlorobiphenyl. Arch Environ Health 30:141-47, 1975
53. Chen PR, McKinney JD, Matthews HB: Metabolism of 2,4,5,2',5'-pentachlorobiphenyl in the rat. Drug Metab Dispos 4:362-67, 1976
54. Matthews HB, Anderson MW: The distribution and excretion of 2,4,5,2',5'-pentachlorobiphenyl in the rat. Drug Metabol Dispos 3:211-19, 1975
55. Hutzinger O, Nash DM, Safe S, DeFreitas ASW, Norstrom RJ, Wildish DJ, Zitko V: Polychlorinated biphenyls--Metabolic behavior of pure isomers in pigeons, rats, and brook trout. Science 178:312-14, 1972
56. Van Miller JP, Hsu IC, Allen JR: Distribution and metabolism of 3H-2,5,2',5'-tetrachlorobiphenyl in rats (38610). Proc Soc Exp Biol Med 148:682-87, 1975
57. Berlin M, Gage JC, Holm S: The Metabolism and Distribution of 2,4,5,2',5'-Pentachlorobiphenyl in the Mouse, in PCB Conference II, Stockholm, 1972. Solna, Sweden, National Swedish Environmental Protection Board/Publications 1973: 4E, pp 101-08
58. Goto M, Sugiura K, Hattori M, Miyagawa T, Okamura M: Hydroxylation of Dichlorobiphenyls in Rats, in New Collection of Papers Presented at the Research Conference on New Methodology in Ecological Chemistry, Susono, Japan, November 23, 24, 25, 1973. Tokyo, International Academic Printing Co Ltd, 1973, pp 299-302
59. Lay JP, Klein W, Korte F: [Excretion, storage and metabolism of 2,4,6,2',4'-pentachlorobiphenyl-14-C after a long-term feeding experiment on rats.] Chemosphere 4:161-68, 1975 (Ger)
60. Kamal M, Klein W, Korte F: [Isolation and identification of metabolites after long-term feeding of 2,2'-dichlorobiphenyl-C-14 to rats.] Chemosphere 5:349-56, 1976 (Ger)

61. Grab W, Klein W, Coulston F, Golberg L, Korte F: Metabolism of lower polychlorinated biphenyls-C-14 in the rhesus monkey. Bull Environ Contam Toxicol 13:471-76, 1975
62. Yoshimura H, Yamamoto H, Saeki S: Metabolic studies on polychlorinated biphenyls--II. Metabolic fate of 2,4,3',4'-tetrachlorobiphenyl in rats. Chem Pharm Bull (Tokyo) 21:2231-36, 1973
63. Yoshimura H, Yamamoto H, Kinoshita H: Metabolic Fate of PCBs and Their Toxicological Evaluations, in Research Conference on New Methodology in Ecological Chemistry, Susono, Japan, November 23, 24, 25, 1973. Tokyo, International Academic Printing Co Ltd, 1973, pp 291-97
64. Goto M, Sugiura K, Hattori M, Miyagawa T, Okamura M: Metabolism of 2,3-dichlorobiphenyl-14-C and 2,4,6-trichlorobiphenyl-14-C in the rat. Chemosphere 3:227-32, 1974
65. Sundstrom G, Hutzinger O, Safe S: The metabolism of 2,2',4,4',5,5'-hexachlorobiphenyl by rabbits, rats and mice. Chemosphere 5:249-53, 1976
66. Goto M, Hattori M, Sugiura K: Metabolism of pentachloro- and hexachloro- biphenyls in the rat. Chemosphere 4:177-80, 1975
67. Safe S, Jones D, Hutzinger O: The metabolism of 4,4'-dihalogenobiphenyls. J Chem Soc [Perkin I] 4:357-59, 1976
68. Safe S, Hutzinger O, Jones D: The mechanism of chlorobiphenyl metabolism. J Agric Food Chem 23:851-53, 1975
69. Gardner AM, Chen JT, Roach JAG, Ragelis EP: Polychlorinated biphenyls--Hydroxylated urinary metabolites of 2,5,2',5'-tetrachlorobiphenyl identified in rabbits. Biochem Biophys Res Commun 55:1377-84, 1973
70. Hutzinger O, Jamieson WD, Safe S, Paulmann L, Ammon R: Identification of metabolic dechlorination of highly chlorinated biphenyl in rabbit. Nature 252:698-99, 1974
71. Safe S, Hutzinger O, Ecobichon D: Identification of 4-chloro-4'-hydroxybiphenyl and 4-4'-dichloro-3-hydroxybiphenyl as metabolites of 4-chloro- and 4,4'-dichlorobiphenyl fed to rats. Experientia 30:720-21, 1974
72. Safe S, Ruze LO, Jones D, Platonow NS, Hutzinger O: The metabolism of 4-chlorobiphenyl in the pig. Can J Physiol Pharmacol 53:392-96, 1975
73. Safe S, Platonow N, Hutzinger O: Metabolism of chlorobiphenyls in the goat and cow. J Agric Food Chem 23:259-61, 1975

74. Hsu IC, Van Miller JP, Seymour JL, Allen JR: Urinary metabolites of 2,5,2',5'-tetrachlorobiphenyl in the nonhuman primate. *Proc Soc Exper Biol Med* 150:185-88, 1975
75. Hsu IC, Van Miller JP, Allen JR: Metabolic fate of 3H 2,5,2',5'-tetrachlorobiphenyl in infant nonhuman primates. *Bull Environ Contam Toxicol* 14:233-40, 1975
76. Goto M, Sugiura K, Hattori M, Miyagawa T, Okamura M: Metabolism of 2,3,5,6-tetrachlorobiphenyl 14-C and 2,3,4,5,6-pentachlorobiphenyl 14-C in the rat. *Chemosphere* 3:233-38, 1974
77. Sundstrom G, Jansson B: The metabolism of 2,2',3,5',6-pentachlorobiphenyl in rats, mice and quails. *Chemosphere* 4:361-70, 1975
78. Yoshimura H, Yamamoto H: Metabolic studies on polychlorinated biphenyls—I. Metabolic fate of 3,4,3',4'-tetrachlorobiphenyl in rats. *Chem Pharm Bull (Tokyo)* 21:1168-69, 1973
79. Jensen S, Sundstrom G: Metabolic hydroxylation of a chlorobiphenyl containing only isolated unsubstituted positions--2,2',4,4',5,5'-hexachlorobiphenyl. *Nature* 251:219-20, 1974
80. Sundstrom G, Wachtmeister CA: Structure of a major metabolite of 2,2',4,5,5'-pentachlorobiphenyl in mice. *Chemosphere* 4:7-11, 1975
81. Norback DH, Seymour JL, Knieriem KM, Peterson RE, Allen JR: Biliary metabolites of 2,5,2',5'-tetrachlorobiphenyl in the rat. *Res Commun Chem Pathol Pharmacol* 14:527-33, 1976
82. Ghiasuddin SM, Menzer RE, Nelson JO: Metabolism of 2,5,2'-trichloro-, 2,5,2',5'-tetrachloro-, and 2,4,5,2',5'-pentachlorobiphenyl in rat hepatic microsomal systems. *Toxicol Appl Pharmacol* 36:187-94, 1976
83. Matthews HB, Anderson M: PCB Chlorination versus PCB Distribution and Excretion, in *Proceedings of the National Conference on Polychlorinated Biphenyls*, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 50-56
84. Berlin M, Gage JC, Holm S: Distribution and Metabolism of Polychlorobiphenyls, in *International Symposium Proceedings--Recent Advances in the Assessment of the Health Effects of Environmental Pollution*, Paris, June 24-26, 1974, Vol 2. Luxembourg, Commission of the European Communities, 1975, pp 895-902
85. Burse VW, Moseman RF, Sovocool GW, Villanueva EC: PCB metabolism in rats following prolonged exposure to Aroclor 1242 and Aroclor 1016. *Bull Environ Contam Toxicol* 15:122-28, 1976

86. Shimada T: Metabolic activation of C-14-polychlorinated biphenyl mixtures by rat liver microsomes. Bull Environ Contam Toxicol 16:25-32, 1976
87. Safe S, Hutzinger O, Ecobichon DJ, Gray AA: The metabolism of 4'-chloro-4-biphenylol in the rat. Can J Biochem 53:415-20, 1975
88. Sundstrom G, Hutzinger O, Safe S: The metabolism of chlorobiphenyls--A review. Chemosphere 5:267-98, 1976
89. Biocca M, Moore JA, Gupta BN, McKinney JD: Toxicology of selected symmetrical hexachlorobiphenyl isomers--I. Biological responses in chicks and mice. In Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 67-72
90. Ecobichon DJ: Enzymatic and Other Biochemical Responses to Selected PCBs, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 57-66
91. Ecobichon DJ, Comeau AM: Isomerically pure chlorobiphenyl congeners and hepatic function in the rat--Influence of position and degree of chlorination. Toxicol Appl Pharmacol 33:94-105, 1975
92. Johnstone GJ, Ecobichon DJ, Hutzinger O: The influence of pure polychlorinated biphenyl compounds on hepatic function in the rat. Toxicol Appl Pharmacol 28:66-81, 1974
93. Chen PR, Mehendale HM, Fishbein L: Effects of two isomeric tetrachlorobiphenyls on rats and their hepatic enzymes. Arch Environ Contam Toxicol 1:36-47, 1973
94. McNulty WP: Primate Study, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA 560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 347-50
95. Albro FW, Fishbein L: Intestinal absorption of polychlorinated biphenyls in rats. Bull Environ Contam Toxicol 8:26-31, 1972
96. Sugiyama K, Hattori M, Baba M, Goto M: Accumulation and excretion of PCBs in the mouse. Chemosphere 4:181-87, 1975
97. Bentsen HF, Knop J, Schmoldt A: Uptake and distribution of inhaled polychlorinated biphenyls (PCB) after inhalatory application. Arch Toxicol 29:85-95, 1972

98. Berczy ZS, Cobb LM, Cherry CP: Acute inhalation toxicity to the rat of decachlorodiphenyl. Huntingdon, England, Huntingdon Research Centre, March 1974, 11 pp
99. Berczy ZS, Cobb LM, Heywood R, Street AE, Cherry CP: Subacute inhalation toxicity to the rat of decachlorodiphenyl. Huntingdon, England, Huntingdon Research Centre, August 1974, 44 pp
100. Yoshimura H, Yamamoto H: A novel route of excretion of 2,4,3',4'-tetrachlorobiphenyl in rats. Bull Environ Contam Toxicol 13:681-88, 1975
101. Curley A, Burse VW, Grim ME: Polychlorinated biphenyls--Evidence of transplacental passage in the Sherman rat. Fd Cosmet Toxicol 11:471-476, 1973
102. Matthews HB, Domanski JJ, Guthrie FE: Hair and its associated lipids as an excretory pathway for chlorinated hydrocarbons. Xenobiotica 6:425-29, 1976
103. Burse VW, Kimbrough RD, Villanueva EC, Jennings RW, Linder RE, Sovocool GW: Polychlorinated biphenyls. Storage, distribution, excretion, and recovery--Liver morphology after prolonged dietary ingestion. Arch Environ Health 29:301-07, 1974
104. Allen JR, Norback DH, Hsu IC: Tissue modifications in monkeys as related to absorption, distribution, and excretion of polychlorinated biphenyls. Arch Environ Contam Toxicol 2:86-95, 1974
105. Curley A, Burse VW, Grim ME, Jennings RW, Linder RE: Polychlorinated biphenyls--Distribution and storage in body fluids and tissues of Sherman rats. Environ Res 4:481-95, 1971
106. Abrahamson LJ, Allen JR: The biological response of infant nonhuman primates to a polychlorinated biphenyl. Environ Health Perspect, Experimental issue No. 4, June 1973, pp 81-86
107. Greb W, Klein W, Coulston F, Golberg L, Korte F: Excretion rates of pure di- and trichlorobiphenyl-14-C in the rhesus monkey. Chemosphere 2:143-46, 1973
108. Matthews HB, Anderson MW: Effect of chlorination on the distribution and excretion of polychlorinated biphenyls. Drug Metab Dispos 3:371-80, 1975
109. Greb W, Klein W, Coulston F, Golberg L, Korte F: In vitro metabolism of polychlorinated biphenyls-C-14. Bull Environ Contam Toxicol 13:424-32, 1975
110. Bente HF, Schmoldt A: [Persistence of polychlorinated biphenyls (PCB) in rats.] Arch Toxicol (Berl) 30:207-14, 1973 (Ger)

111. McKinney JD: Toxicology of Selected Symmetrical Hexachlorobiphenyl Isomers--Correlating Biological Effects with Chemical Structure, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 73-76
112. Moore JA, Gupta BN, Vos JG: Toxicity of 2,3,7,8,-Tetrachlorodibenzofuran--Preliminary Results, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 77-80
113. Melvas B, Brandt I: The Distribution and Metabolism of Labelled Polychlorinated Biphenyls in Mice and Quails, in PCB Conference II, Stockholm, 1972. National Swedish Environmental Protection Board/Publications 1973: 4E, pp 87-100
114. Diechmann WB, Kitzmiller KV, Dierker M, Witherup S: Observations on the effects of diphenyl, o and p-aminodiphenyl, o and p-nitrodiphenyl and dihydroxyoctachlorodiphenyl upon experimental animals. J Ind Hyg Toxicol 29:1-13, 1947
115. Jerina DM, Daly JW: Arene oxides--A new aspect of drug metabolism. Metabolic formation of arene oxides explains many toxic and carcinogenic properties of aromatic hydrocarbons. Science 185:573-82, 1974
116. Wyndham C, Devenish J, Safe S: The in vitro metabolism, macromolecular binding and bacterial mutagenicity of 4-chlorobiphenyl, a model PCB substrate. Res Commun Chem Pathol Pharmacol 15:563-70, 1976
117. Seymour JL, Schmidt SP, Allen JR: In vitro generation of a chemically reactive metabolite of 2,5,2',5'-tetrachlorobiphenyl by rhesus monkey liver microsomes. Proc Soc Exper Biol Med 152:621-25, 1976
118. Daly J, Jerina D, Witkop B: Migration of deuterium during hydroxylation of aromatic substrates by liver microsomes--I. Influences of ring substituents. Arch Biochem Biophys 128:517-27, 1968
119. Smyth HF: The toxicity of certain benzene derivatives and related compounds. J Ind Hyg 13:87-96, 1931
120. Jones JW, Alden HS: An acneiform dermatergosis. Arch Dermatol Syphilol 33:1022-34, 1936
121. Crow KD: Chloracne--A critical review including a comparison of two series of cases of acne from chloronaphthalene and pitch fumes. Trans St John's Hosp Dermatol Soc 56:79-99, 1970

122. Schulz KH: [Treatment and etiology of chloracne.] Arbeitsmedizin, Sozialmedizin, Arbeitshygiene 3:25-29, 1968 (Ger)
123. Schwartz L: Dermatitis from synthetic resins and waxes. Am J Public Health 26:586-92, 1936
124. Yaglou CP, Sands FW, Drinker P: Ventilation of wire impregnating tanks using chlorinated hydrocarbons. J Ind Hyg Toxicol 20:401-18, 1938
125. Drinker CK, Warren MF, Bennett GA: The problem of possible systemic effects from certain chlorinated hydrocarbons. J Ind Hyg Toxicol 19:283-99, 1937
126. Good CK, Pensky N: Halowax acne ("cable rash")--A cutaneous eruption in marine electricians due to certain chlorinated naphthalenes and diphenyls. Arch Dermatol Syphilol 48:251-57, 1943
127. Fulton WB, Matthews JL: A Preliminary Report of the Dermatological and Systemic Effects of Exposure to Hexachloro-naphthalene and Chloro-diphenyl, Bulletin 43. Harrisburg, Pa, Commonwealth of Pennsylvania, Dept of Labor and Industry, 1936, 15 pp
128. Schwartz L, Peck SM: Occupational acne. NY State J Med 43:1711-18, 1943
129. Bennett GA, Drinker CK, Warren MF: Morphological changes in the livers of rats resulting from exposure to certain chlorinated hydrocarbons. J Ind Hyg Toxicol 20:97-123, 1938
130. Elkins HB: The Chemistry of Industrial Toxicology, ed 1. New York, John Wiley & Sons Inc, 1959, pp 149-50, 319-21
131. Kimbrough RD: The toxicity of polychlorinated polycyclic compounds and related chemicals. CRC Crit Rev Toxicol 2:445-98, 1974
132. Drinker CK: Further observations on possible systemic toxicity of certain of the chlorinated hydrocarbons with suggestions for permissible concentrations in the air of workrooms. J Ind Hyg Toxicol 21:155-59, 1939
133. McLaughlin J Jr, Marliac JP, Verrett MJ, Mutchler MK, Fitzhugh OG: The injection of chemicals into the yolk sac of fertile eggs prior to incubation as a toxicity test. Toxicol Appl Pharmacol 5:760-71, 1963
134. Yobs AR: Levels of polychlorinated biphenyls in adipose tissue of the general population of the nation. Environ Health Perspect, Experimental issue No. 1, April 1972, pp 79-81
135. Biros FJ, Walker AC, Medbery A: Polychlorinated biphenyl in human adipose tissue. Bull Environ Contam Toxicol 5:317-23, 1970

136. Kutz FW, Strassman SC: Residues of Polychlorinated Biphenyls in the General Population of the United States, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 139-43
137. Finkles J, Priester LE, Cresson JP, Hauser T, Hinners T, Hammer DI: Polychlorinated biphenyl residues in human plasma expose a major urban pollution problem. *Am J Public Health* 62:645-51, 1972
138. Akiyama K, Ohi G, Fujitani K, Yagyu H, Ogino M, Kawana T: Polychlorinated biphenyl residues in maternal and cord blood in Tokyo metropolitan area. *Bull Environ Contam Toxicol* 14:588-92, 1975
139. Shiota K, Tanimura T, Nishimura H, Mizutani T, Matsumoto M: Polychlorinated biphenyls and DDE in human fetal tissues--A preliminary report. *Teratology* 8:105, 1973
140. Hasselberg RJ, Scherr DD: PCBs and p,p'DDE in the blood of cachectic patients. *Bull Environ Contam Toxicol* 11:202-05, 1974
141. Inoue Y, Abe S, Takamatsu M, Aoki N, Miki S, Fujiwara K: [PCB, DDT and BHC levels in human plasma as a measurement of tissue residue.] *Fukuoka Acta Med* 66:610-16, 1975 (Jap)
142. Report of a new chemical hazard. *New Sci* 32:612, 1966
143. Takeshita R, Suzuki M, Hayashi M: [The transfer of polychlorinated biphenyls from human adipose tissue to milk.] *J Hyg Chem* 20:256-60, 1974 (Jap)
144. Savage EP, Tassari JD, Malberg JW, Wheeler HW, Bagby JR: A search for polychlorinated biphenyls in human milk in rural Colorado. *Bull Environ Contam Toxicol* 9:222-26, 1973
145. Katsuki S: Foreword, Reports of the study group for "Yusho" (chlorobiphenyls poisoning). *Fukuoka Acta Med* 60:407, 1969
146. Goto M, Higuchi K: [The symptomatology of Yusho (chlorobiphenyls poisoning) in dermatology.] *Fukuoka Acta Med* 60:409-31, 1969 (Jap)
147. Tsukamoto H, Makisumi S, Hirose H, Kojima T, Fukumoto H, Fukumoto K, Kuratsune M, Nishizumi M, Tatsumi K, Oguri K, Shimeno H, Ueno K, Kobayashi H, Yano T, Ito A, Okada T, Inagami K, Koga T, Tomita Y, Koga T, Yamada Y, Miyaguchi M, Sugano M, Hori K, Takeshita K, Manako K, Nakamura Y, Shigemori N: [The chemical studies on detection of toxic compounds in the rice bran oils used by the patients of Yusho.] *Fukuoka Acta Med* 60:496-512, 1969 (Jap)

148. Kuratsune M, Morikawa Y, Hirohata T, Nishizumi M, Kohchi S, Yoshimura T, Matsuzaka J, Yamaguchi A, Saruta N, Ishinishi N, Kunitake E, Shimono O, Takigawa K, Oki K, Sonoda M, Ueda T, Ogata M: [An epidemiologic study on "Yusho" or chlorobiphenyls poisoning.] Fukuoka Acta Med 60:513-32, 1969 (Jap)
149. Kikuchi M, Hashimoto M, Hozumi M, Koga K, Oyoshi S, Nagakawa M: [An autopsy case of a stillborn with chlorobiphenyls poisoning.] Fukuoka Acta Med 60:489-95, 1969 (Jap)
150. Kuroiwa Y, Murai Y, Santa T: [Neurological and nerve conduction velocity studies on 23 patients with chlorobiphenyls poisoning.] Fukuoka Acta Med 60:462-63, 1969 (Jap)
151. Ikui H, Sugi K, Uga S: [Ocular signs of chronic chlorobiphenyls poisoning ("Yusho").] Fukuoka Acta Med 60:432-39, 1969 (Jap)
152. Morimitsu T, Harada Y, Ikeda Y, Yasuda K, Nakashima M, Nagashima H, Makishima K, Takei O: [Otorhinolaryngological findings of Yusho (chlorobiphenyls poisoning).] Fukuoka Acta Med 60:464-67, 1969 (Jap)
153. Kikuchi M, Hashimoto M: [Histological studies of skin lesions of patients with chlorobiphenyl poisoning.] Fukuoka Acta Med 60:484-88, 1969 (Jap)
154. Aono M, Okada H: [Oral findings in Yusho.] Fukuoka Acta Med 60:468-70, 1969 (Jap)
155. Okumura M, Katsuki S: [Clinical observation on Yusho (chlorobiphenyls poisoning).] Fukuoka Acta Med 60:440-46, 1969 (Jap)
156. Hirayama C, Irita T, Yamamoto T: [Fine structural changes of the liver in a patient with chlorobiphenyls intoxication.] Fukuoka Acta Med 60:455-56, 1969 (Jap)
157. Nagai J, Furukawa M, Yae Y, Ikeda Y: [Clinico-chemical investigation of chlorobiphenyls patients.] Fukuoka Acta Med 60:475-83, 1969 (Jap)
158. Uzawa H, Ito Y, Notomi A, Katsuki S: [Hyperglyceridemia resulting from intake of rice oil contaminated with chlorinated biphenyls.] Fukuoka Acta Med 60:449-54, 1969 (Jap)
159. Taki I, Hisanaga S, Amagase Y: [Report on Yusho (chlorobiphenyls poisoning) pregnant women and their fetuses.] Fukuoka Acta Med 60:471-74, 1969 (Jap)
160. Kuratsune M, Masuda Y, Nagayama J: Some of the Recent Findings Concerning Yusho, in Proceedings of the National Conference on Polychlorinated Biphenyls, November 19-21, 1975, Chicago, EPA-560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 14-29

161. Urabe H: [Foreward, The fourth reports of the study of "Yusho" and PCB.] Fukuoka Acta Med 65:1-4, 1974 (Jap)
162. Omae T: [Foreward, The fifth reports of the study on "Yusho" and PCB.] Fukuoka Acta Med 66:547-48, 1975 (Jap)
163. Higuchi K: Outline, in Higuchi K (ed): PCB Poisoning and Pollution. New York, Academic Press, 1976, pp 3-7
164. Kuratsune M, Yoshimura T, Matsuzaka J, Yamaguchi A: Yusho, a poisoning caused by rice oil contaminated with polychlorinated biphenyls. HSMHA Health Rep 86:1083-91, 1971
165. Kuratsune M, Yoshimura T, Matsuzaka J, Yamaguchi A: Epidemiologic study on Yusho, a poisoning caused by ingestion of rice oil contaminated with a commercial brand of polychlorinated biphenyls. Environ Health Perspect, Experimental issue No. 1, April 1972, pp 119-28
166. Yoshimura T: [Epidemiological analysis of "Yusho" patients with special reference to sex, age, clinical grades and oil consumption.] Fukuoka Acta Med 62:104-08, 1971 (Jap)
167. Isono N, Fujiwara K: [Environmental pollution by PCB—II. Toxicity in the living body.] Kagaku (Tokyo) 42:397-402, 1972 (Jap)
168. Masuda Y, Kagawa R, Kuratsune M: [Polychlorinated biphenyls in Yusho patients and ordinary persons.] Fukuoka Acta Med 65:17-24, 1974 (Jap)
169. Kojima T: [Chlorobiphenyls in the sputum and tissues.] Fukuoka Acta Med 62:25-29, 1971 (Jap)
170. Shigematsu N, Norimatsu Y, Ishibashi T, Yoshida M, Suetsugu S, Kawatsu T, Ikeda T, Saito R, Ishimaru S, Shirakusa T, Kido M, Emori K, Toshimitsu H: [Clinical and experimental studies on respiratory involvement in chlorobiphenyl poisoning.] Fukuoka Acta Med 62:150-56, 1971 (Jap)
171. Kikuchi M, Masuda Y: The pathology of Yusho, in Higuchi K (ed): PCB Poisoning and Pollution. New York, Academic Press, 1976, pp 69-86
172. Takamatsu M, Inoue Y, Abe S: [Diagnostic meaning of the blood PCB.] Fukuoka Acta Med 65: 28-31, 1974 (Jap)
173. Masuda Y, Kagawa R, Shimamura K, Takada M, Kuratsune M: [Polychlorinated biphenyls in the blood of Yusho patients and ordinary persons.] Fukuoka Acta Med 65:25-27, 1974 (Jap)
174. Koda H, Masuda Y: [Relation between PCB level in the blood and clinical symptoms of Yusho patients.] Fukuoka Acta Med 66:624-28, 1975 (Jap)

175. Okumura M, Masuda Y, Nakamuta S: [Correlation between blood PCB and serum triglyceride levels in patients with PCB poisoning.] Fukuoka Acta Med 65:84-87, 1974 (Jap)
176. Abe S, Inoue Y, Takamatsu M: [Polychlorinated biphenyl residues in plasma of Yusho children born to mothers who had consumed oil contaminated by PCB.] Fukuoka Acta Med 66:605-09, 1975 (Jap)
177. Murai Y, Kuroiwa Y: Peripheral neuropathy in chlorobiphenyl poisoning. Neurology 21:1173-76, 1971
178. Shigematsu N, Ishimaru S, Hirose T, Ikeda T, Emori K, Miyazaki N: [Clinical and experimental studies on respiratory involvement in PCB poisoning--II.] Fukuoka Acta Med 65:88-95, 1974 (Jap)
179. Hirayama C, Okumura M, Nagai J, Masuda Y: Hypobilirubin in patients with polychlorinated biphenyls poisoning. Clin Chim Acta 55:97-100, 1974
180. Okumura M, Yamanaka M, Nakamuta S, Uzawa H: [Consecutive six year follow-up study on serum triglyceride levels in patients with PCB poisoning.] Fukuoka Acta Med 66:620-23, 1975 (Jap)
181. Uzawa H, Ito Y, Notomi A, Hori S, Ikeura Y, Katsuki S: [Clinical and experimental studies on the hyperglyceridemia induced by oral ingestion of chlorinated biphenyls.] Fukuoka Acta Med 62:66-73, 1971 (Jap)
182. Yoshimura T: [Epidemiological study on Yusho babies born to mothers who had consumed oil contaminated by PCB.] Fukuoka Acta Med 65:74-80, 1974 (Jap)
183. Funatsu I, Yamashita F, Ito Y, Tsugawa S, Funatsu T, Yoshikane T, Hayashi M, Kato T, Yakushiji M, Okamoto G, Yamasaki S, Arima T, Kuno T, Ide H, Ide I: Polychlorobiphenyls (PCB) induced fetopathy--I. Clinical Observation. Kurume Med J 19:43-51, 1972
184. Ohnishi Y, Ikui H, Kurimoto S, Kawashima K: [Further ophthalmic studies on patients of chronic chlorobiphenyls poisoning ("Yusho").] Fukuoka Acta Med 66:640-41, 1975
185. Kohda H, Asahi S, Toshihara S: [Dermatological findings of the patients with Yusho (PCB poisoning) in general examination in 1972.] Fukuoka Acta Med 65:81-83, 1974 (Jap)
186. Puccinelli V: [On chloracne]. Med d Lavoro 45:131-45, 1954 (Ita)
187. Hofmann MF, Meneghini CL: [Concerning folliculosis caused by chlorosubstituted hydrocarbons.] G Ital Dermatol Sifilol 103:427-50, 1962 (Ita)

188. Birmingham DJ: Occupational dermatology--Current problems. Skin 3:38-42, 1964
189. Oliver NE: Chloracne. Arch Dermatol 99:127-28, 1969
190. Meigs JW, Albom JJ, Kartin BL: Chloracne from an unusual exposure to Aroclor. JAMA 154:1417-18, 1954
191. Hasegawa H, Sato M, Tsuruta H: [Report on survey of work area environment where PCB is handled and of the health of workers handling PCB, in Special Research Report on Prevention of Environmental Pollution by PCB-like Substances.] Japan, Research Coordination Bureau, Science and Technology Agency, 1972, pp 141-99 (Jap)
192. Hara I, Harada A, Kimura S, Endo T, Kawano K: [Follow-up study of condenser factory after use of PCB discontinued (Part I).] Jpn J Ind Health 16:365,366, 1974 (Jap)
193. Hara I et al: [Follow-up study of condenser factory after use of PCB discontinued (Part III).] Jpn J Ind Health 17:371,372, 1975 (Jap)
194. Kitamura M, Tsukamoto T, Sumino K, Hayakawa K, Shibata T, Hirano I: [PCB in blood of workers employed in an electrical parts manufacturing plant.] Jpn J Ind Health 15:539, 1973 (Jap)
195. Inoue Y et al: [Discovery of PCB pollution in a textile factory--I. PCB level in blood serum of laborers and results of physical examination.] Jpn J Public Health 22:461-63, 1975 (Jap)
196. Ouw HK, Simpson GR, Siyal DS: The use and health effects of Aroclor 1242, a polychlorinated biphenyls in an electrical industry. Arch Environ Health 31:189-94, 1976
197. Levy BSB, Meyer CR, Lowry L, Smallwood A: Health Hazard Evaluation Determination Report No. 76-52-386, Hazard Evaluation Services Branch, Division of Technical Services, Westinghouse Electric Corporation, Bloomington, Indiana. Cincinnati, US Dept Health, Education, and Welfare, Center for Disease Control, National Institute for Occupational Safety and Health, April 1977, 17 pp
198. Karppanen E, Kolho L: The concentration of PCB in human blood and adipose tissue in three different research groups, in PCB Conference II, Stockholm, 1972. Solna, Sweden, National Swedish Environment Protection Board/Publications 1973:4E, pp 124-28
199. Bumgarner JE, Hammer DI, Colucci AV, Creason JP, Finkles JF: Polychlorinated biphenyl residues in refuse workers. Research Triangle Park, NC, US Dept Health, Education, and Welfare, Public Health Service, National Institute of Environmental Health Sciences, June 1973, 10 pp

200. Cutler SJ, Young JL Jr: Third National Cancer Survey--Incidence Data, Monograph 41. US Dept Health, Education, Welfare, Public Health Service, National Institutes of Health, National Cancer Institute, March 1975, pp 10-24
201. Bahn AK, Rosenwaike I, Herrmann N, Grover P, Stellman J, O'Leary K: Melanoma after exposure to PCBs. N Engl J Med 295:450, 1976
202. Rozanova LF: [Toxicity of some chlorinated aromatic hydrocarbons.] Farmakol Toksikol 6(6):48-53, 1943 (Rus)
203. Treon JF, Cleveland FP, Cappel JW, Atchley RW: The toxicity of the vapors of Aroclor 1242 and Aroclor 1254. Am Ind Hyg Q 17:204-13, 1956
204. Hunter B, Batham P, Heywood R, Street AE, Cherry CP: Decachlorodiphenyl toxicity to rats--Dietary administration for 4 weeks. Huntingdon, England, Huntingdon Research Centre, May 1974, 53 pp
205. Von Wadel H, Holla WA, Denton J: Observations on the toxic effects resulting from exposures to chlorinated naphthalene and chlorinated phenyls with suggestions for prevention. Rubber Age 54:419-26, 1943
206. Miller JW: Pathologic changes in animals exposed to a commercial chlorinated diphenyl. Public Health Rep 59:1085-93, 1944
207. Paribok VP: [Effects of chlorinated diphenyl (sovol) on the skin and its resorption.] Farmakol Toksikol 17:51-54, 1954 (Rus)
208. Vos JG, Beems RB: Dermal toxicity studies of technical polychlorinated biphenyls and fractions thereof in rabbits. Toxicol Appl Pharmacol 19:617-33, 1971
209. Vos JG, De Roij T: Immunosuppressive activity of a polychlorinated biphenyl preparation on the humoral immune response in guinea pigs. Toxicol Appl Pharmacol 21:549-55, 1972
210. Vos JG, Van Driel-Grootenhuys L: PCB-induced suppression of the humoral and cell-mediated immunity in guinea pigs. Sci Total Environ 1:289-302, 1972
211. Bruckner JV, Khanna KL, Cornish HH: Biological responses of the rat to polychlorinated biphenyls. Toxicol Appl Pharmacol 24:434-48, 1973
212. Bruckner JV, Khanna KL, Cornish HH: Effect of prolonged ingestion of polychlorinated biphenyls on the rat. Fd Cosmet Toxicol 12:323-30, 1974
213. Bruckner JV, Khanna KL, Cornish HH: Polychlorinated biphenyl-induced alteration of biologic parameters in the rat. Toxicol Appl Pharmacol 28:189-99, 1974

214. Litterst CL, Farber TM, Baker AM, Van Loon EJ: Effect of polychlorinated biphenyls on hepatic microsomal enzymes in the rat. *Toxicol Appl Pharmacol* 23:112-22, 1972
215. Kimbrough RD, Linder RE, Gaines TB: Morphological changes in livers of rats fed polychlorinated biphenyls. *Arch Environ Health* 25:354-64, 1972
216. Allen JR, Abrahamson LJ: Morphological and biochemical changes in the liver of rats fed polychlorinated biphenyls. *Arch Environ Contam Toxicol* 1:265-80, 1973
217. Hansell MM, Ecobichon DJ: Effects of chemically pure chlorobiphenyls on the morphology of rat liver. *Toxicol Appl Pharmacol* 28:418-27, 1974
218. Kimbrough RD, Squire RA, Linder RE, Strandberg JD, Montali RJ, Burse VW: Induction of liver tumors in Sherman strain female rats by polychlorinated biphenyl Aroclor 1260. *J Natl Cancer Inst* 55:1453-59, 1975
219. Kimbrough RD, Linder RE, Burse VW, Jennings RW: Adenofibrosis in the rat liver--With persistence of polychlorinated biphenyls in adipose tissue. *Arch Environ Health* 27:390-95, 1973
220. Kimbrough RD: Brief communication: Pancreatic-type tissue in livers of rats fed polychlorinated biphenyls. *J Natl Cancer Inst* 51:679-81, 1973
221. Kimbrough RD, Linder RE: Induction of adenofibrosis and hepatomas of the liver in BALB/cJ mice by polychlorinated biphenyls (Aroclor 1254). *J Natl Cancer Inst* 53:547-52, 1974
222. Allen JR, Abrahamson LJ, Norback DH: Biological effects of polychlorinated biphenyls and triphenyls on the subhuman primate. *Environ Res* 6:344-54, 1973
223. Bell M: Ultrastructural Features of Gastric Mucosa and Sebaceous Glands After Ingestion of Aroclor 1242 by Rhesus Monkeys, in *Proceedings of the National Conference on Polychlorinated Biphenyls*, November 19-21, 1975, Chicago, EPA 560/6-75-004. US Environmental Protection Agency, Office of Toxic Substances, 1976, pp 350-58
224. Allen JR, Norback DH: Polychlorinated biphenyl- and triphenyl-induced gastric mucosal hyperplasia in primates. *Science* 179:498-99, 1973
225. Vos JG, Notenboom-Ram E: Comparative toxicity study of 2,4,5,2',4',5'-hexachlorobiphenyl and a polychlorinated biphenyl mixture in rabbits. *Toxicol Appl Pharmacol* 23:563-78, 1972

226. Allen JR, Cartens LA, Abrahamson LJ, Marlar RJ: Responses of rats and nonhuman primates to 2,5,2',5'-tetrachlorobiphenyl. *Environ Res* 9:265-73, 1975
227. Torok P: Delayed pregnancy in NMRI mice treated with PCB--2,2'-dichlorobiphenyl. *Bull Environ Contam Toxicol* 16:33-36, 1976
228. Linder RE, Gaines TB, Kimbrough RD: The effect of polychlorinated biphenyls on rat reproduction. *Fd Cosmet Toxicol* 12:63-77, 1974
229. Villeneuve DC, Grant DL, Phillips WEJ, Clark ML, Clegg DJ: Effects of PCB administration on microsomal enzyme activity in pregnant rabbits. *Bull Environ Contam Toxicol* 6:120-28, 1971
230. Villeneuve DC, Grant DL, Khara K, Clegg DJ, Baer H, Phillips WEJ: The fetotoxicity of a polychlorinated biphenyl mixture (Aroclor 1254) in the rabbit and in the rat. *Environ Phys* 1:67-71, 1971
231. Grant DL, Villeneuve DC, McCully KA, Phillips WEJ: Placental transfer of polychlorinated biphenyls in the rabbit. *Environ Physiol* 1:61-66, 1971
232. Allen JR, Carstens LA, Barsotti DA: Residual effects of short-term, low-level exposure of nonhuman primates to polychlorinated biphenyls. *Toxicol Appl Pharmacol* 30:440-51, 1974
233. Barsotti DA, Marlar RJ, Allen JR: Reproductive dysfunction in Rhesus monkeys exposed to low levels of polychlorinated biphenyls (Aroclor 1248). *Fd Cosmet Toxicol* 14:99-103, 1976
234. Allen JR, Barsotti DA: The effects of transplacental and mammary movement of PCBs on infant rhesus monkeys. *Toxicology* 6:331-40, 1976
235. Dikshith TSS, Rockwood W, Abraham R, Coulston F: Effects of a polychlorinated biphenyl (Aroclor 1254) on rat testis. *Exp Mol Pathol* 22:376-85, 1975
236. Green S, Carr JV, Palmer KA, Oswald EJ: Lack of cytogenetic effects in bone marrow and spermatagonial cells in rats treated with polychlorinated biphenyls (Aroclor 1242 and 1254). *Bull Environ Contam Toxicol* 13:14-22, 1975
237. Green S, Sauro FM, Friedman L: Lack of dominant lethality in rats treated with polychlorinated biphenyls (Aroclors 1242 and 1254). *Fd Cosmet Toxicol* 13:507-10, 1975
238. Hoopingarner R, Samuel A, Krause D: Polychlorinated biphenyl interactions with tissue culture cells. *Environ Health Perspect, Experimental issue No. 1, April 1972, pp 155-58*

239. Popper H, Czygan P, Greim H, Schaffner F, Garro AJ: Mutagenicity of primary and secondary carcinogens altered by normal and induced hepatic microsomes (37103). *Proc Soc Exp Biol Med* 142:727-29 1973
240. Nagasaki H, Tomii S, Mega T, Marugami M, Ito N: Hepatocarcinogenicity of polychlorinated biphenyls in mice. *Gann* 63:805, 1972
241. Ito N, Nagasaki H, Arai M, Makiura S, Sugihara S, Hirao K: Histopathologic studies on liver tumorigenesis induced in mice by technical polychlorinated biphenyls and its promoting effect on liver tumors induced by benzene hexachloride. *J Natl Cancer Inst* 51:1637-46, 1973
242. Kimura NT, Baba T: Neoplastic changes in the rat liver induced by polychlorinated biphenyl. *Gann* 64:105-08, 1973
243. Staiff DC, Quinby GE, Spencer DL, Starr HG Jr: Polychlorinated biphenyl emission from fluorescent lamp ballasts. *Bull Environ Contam and Toxicol* 12:455-63, 1974
244. Jones M, Becker J: Industrial Hygiene Survey of the Polychlorinated Biphenyl Production Operation, Monsanto Industrial Chemicals Company, Saugat, Illinois. Cincinnati, Dept of Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, May 1977, 10 pp
245. Tatsukawa R: PCB pollution of the Japanese environment, in Higuchi K (ed): *PCB Poisoning and Pollution*. New York Academic Press, 1976, pp 147-79
246. American National Standard: Fundamentals Governing the Design and Operation of Local Exhaust Systems, ANSI Z9.2-1971. New York, American National Standards Institute, 1972, 63 pp
- 247. Durfee RL, Contos G, Whitmore FC, Barden JD, Hackman EE III, Westin RA: PCBs in the United States--Industrial Use and Environmental Distribution, EPA 560/6-76-005. US Environmental Protection Agency, Office of Toxic Substances (PB-252 012) 1976, pp 10,15,16,18,19, 74,75,88,147
248. Bidleman TF, Olney CE: High-volume collection of atmospheric polychlorinated biphenyls. *Bull Environ Contam Toxicol* 11:442-50, 1974
249. Nishiyama K, Yano H, Kawano M: [Determination of polychlorobiphenyl in air and its vaporization from noncarbon copy paper.] *Shikoku Acta Med* 29:305-10, 1974 (Jap) (Abst.)

250. Wakimoto T, Tatsukawa R, Ogawa T, Watanabe I: Determination of organochlorine pesticides and PCB (polychlorinated biphenyl) in air by the dry column collection method. Bunseki Kagaku 23: 790-93, 1974 (Abst.)
251. Harvey GR, Steinhauer WG: Atmospheric transport of polychlorobiphenyls to the North Atlantic. Atmos Environ 8:777-82, 1974
252. Giam CS, Chan HS, Neff GS: Rapid and inexpensive method for detection of polychlorinated biphenyls and phthalates in air. Anal Chem 47:2319-20, 1975
253. Laveskog A, Lindskog A: Chlorinated hydrocarbons in the atmosphere. Chem Ing Tech 48:65, 1976 (Synopsis)
254. NIOSH Standards Completion Program: Chlorodiphenyl (54% Chlorine), Method No. S121. Cincinnati, US Dept Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, 1976, 15 pp
255. NIOSH Standards Completion Program: Chlorodiphenyl (42% Chlorine), Method No. S120, Failure Report. Cincinnati, US Dept Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, 1976, 7 pp
256. Fishbein L: Chromatographic and biological aspects of polychlorinated biphenyls. J Chromatogr 68:345-426, 1972
257. Fishbein L: Chromatography of Environmental Hazards, Vol II. New York, Elsevier Scientific Publishing Co, pp 529-77, 1973
258. Interdepartmental Task Force on PCBs: Polychlorinated Biphenyls and the Environment, Report No. ITP-PCB-72-1. Springfield, Va, US Dept of Commerce, National Technical Information Service, COM-72-10419, 1972, pp 23-40
259. Oswald EO; Albro PW, McKinney JD: Utilization of gas-liquid chromatography coupled with chemical ionization and electron impact mass spectrometry for the investigation of potentially hazardous environmental agents and their metabolites. J Chromatogr 98:363-448, 1974
260. Cook JW: Some chemical aspects of polychlorinated biphenyls (PCBs). Environ Health Perspect, Experimental issue No. 1, April 1972, pp 3-13
261. Sarofim AF: PCBs--Environmental Impact--Analytical Methods. Environ Res 5:338-62, 1972

262. Sherma J: Gas-chromatography analysis of polychlorinated biphenyls and other nonpesticide organic pollutants. Adv Chromatogr 12:141-76, 1975
263. Koeman JH, Ten Noever De Brauw MC, De Vos RH: Chlorinated biphenyls in fish, mussels and birds from the river Rhine and the Netherlands coastal area. Nature 221:1126-28, 1969
264. Skrentny RF, Hemken RW, Dorough HW: Silo sealants as a source of polychlorobiphenyl (PCB) contamination of animal feed. Bull Environ Contam Toxicol 6:409-16, 1971
265. Zitko V: Polychlorinated biphenyls and organochlorine pesticides in some freshwater and marine fishes. Bull Environ Contam Toxicol 6:464-70, 1971
266. Keil JE, Priester LE, Sandifer SH: Polychlorinated biphenyl (Aroclor 1242)--Effect of uptake on growth, nucleic acids, and chlorophyll of a marine diatom. Bull Environ Contam Toxicol 6:156-59, 1971
267. Hansen DJ, Parrish PR, Lowe JJ, Wilson AJ Jr, Wilson PD: Chronic toxicity, uptake, and retention of Aroclor 1254 in two estuarine fishes. Bull Environ Contam Toxicol 6:113-19, 1971
268. Collins GB, Holmes DC, Jackson FJ: The estimation of polychlorobiphenyls. J Chromatogr 71:443-49, 1972
269. Sawyer LD: Collaborative study of the recovery and gas chromatographic quantitation of biphenyl-DDT combinations in fish. J Assoc Off Anal Chem 56:1015-23, 1973
270. Finsterwalder CE: Collaborative study of the determination of polychlorinated biphenyls in paperboard. J Assoc Off Anal Chem 57:518-21, 1974
271. Beezhold FL, Stout VF: The use and effect of mixed standards on the quantitation of polychlorinated biphenyls. Bull Environ Contam Toxicol 10:10-15, 1973
272. Pesticide Residues, in Horwitz W, Senzel A, Reynolds H, Park DL (eds): Official Methods of Analysis of the Association of Analytical Chemists, ed 12. Association of Official Analytical Chemists, 1975, pp 518-28
273. Rote JW, Murphy PG: A method for the quantitation of polychlorinated biphenyl (PCB) isomers. Bull Environ Contam Toxicol 6:377-84, 1971
274. Risebrough RW, Reiche P, Olcott HS: Current progress in the determination of polychlorinated biphenyls. Bull Environ Contam Toxicol 4:192-201, 1969

275. Zobel MGR: Quantitative determination of polychlorinated biphenyls--A computer approach. J Assoc Off Anal Chem 57:791-95, 1974
276. Webb RG, McCall AC: Quantitative PCB standards for electron capture gas chromatography. J Chromatogr Sci 11:366-73, 1973
277. Burke JA: Report on chlorinated pesticides. J Assoc Off Anal Chem 59:338-40, 1976
278. Method for Polychlorinated Biphenyls (PCBs) in Industrial Effluents. Cincinnati, Environmental Protection Agency, Environmental Monitoring Support Laboratory, 1976, 40 pp
279. Chau ASY, Sampson RCJ: Electron capture chromatographic methodology for the quantitation of polychlorinated biphenyls--Survey and compromise. Environ Lett 8:89-101, 1975
280. Berg OW, Diosady FL, Rees GAV: Column chromatographic separation of polychlorinated biphenyls from chlorinated hydrocarbon pesticides, and their subsequent gas chromatographic quantitation in terms of derivatives. Bull Environ Contam Toxicol 7:338-47, 1972
281. Armour JA: Quantitative perchlorination of polychlorinated biphenyls as a method for confirmatory residue measurement and identification. J Assoc Off Anal Chem 56:987-93, 1973
282. Hutzinger O, Safe S, Zitko V: Analysis of chlorinated aromatic hydrocarbons by exhaustive chlorination--Qualitative and structural aspects of the perchloro-derivatives of biphenyl, naphthalene, terphenyl, dibenzofuran, dibenzodioxin and DDE. Int J Environ Anal Chem 2:95-106, 1972
283. Mizutani T, Matsumoto M: Determination of polychlorinated biphenyls by an exhaustive chlorination method. Shokuhin Eiseigaku Zasshi 13:398-404, 1972 (Abst.)
284. Huckins JN, Swanson JE, Stalling DL: Perchlorination of polychlorinated biphenyls. J Assoc Off Anal Chem 57: 416-17, 1974
285. Trotter WJ, Young SJV: Limitation on the use of antimony pentachloride for perchlorination of polychlorinated biphenyls. J Assoc Off Anal Chem 58:466-68, 1975
286. Pritchard JA: A Guide to Industrial Respiratory Protection, No. NIOSH 76-189. Cincinnati, US Dept Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, 1976, 150 pp

287. Blair A: Abrasive Blasting Respiratory Protective Practices, No. NIOSH 74-104. Cincinnati, US Dept Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, 1974, 116 pp
288. Harris HE: Coal Mine Dust Respiratory Protective Devices, Final Report Prepared by the Eastern Associated Coal Corporation for NIOSH Contract No. CPE 70-127. Cincinnati, US Dept Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, 1974, 221 pp
289. Toney CR, Barnhart WL: Performance Evaluation of Respiratory Protective Equipment Used in Paint Spraying Operations, NIOSH No. 76-177. Cincinnati, US Dept Health, Education, and Welfare, Public Health Service, Center for Disease Control, National Institute for Occupational Safety and Health, 1976, 110 pp
290. National Conference of Governmental Industrial Hygienists: Report of the Subcommittee on Threshold Limits, in Transactions of the 5th Annual Meeting, NCGIH, Washington, April 9, 10, 1942, pp 163,164
291. Cook WA: Maximum allowable concentrations of industrial atmospheric contaminants. Ind Med 14:936-46, 1945
292. American Conference of Governmental Industrial Hygienists: Report of the Sub Committee on Threshold Limits, in Proceedings of the 8th Annual Meeting, ACGIH, Chicago, April 7-13, 1946, pp 54-56
293. American Conference of Governmental Industrial Hygienists: Report of the Committee on Threshold Limits, in Transactions of the 18th Annual Meeting, ACGIH, Philadelphia, April 21-24, 1956, pp 70,72,73,76,78
294. American Conference of Governmental Industrial Hygienists: Report of Committee on Threshold Limits, in Transactions of the 23rd Annual Meeting, ACGIH, Detroit, April 9-12, 1961, pp 120-22
295. American Conference of Governmental Industrial Hygienists: Threshold Limit Values for 1961, Adopted at the 23rd Annual Meeting, ACGIH, Detroit, April 9-12, 1961. Cincinnati, ACGIH, 1961, p 8
296. American Conference of Governmental Industrial Hygienists, Committee on Threshold Limit Values: Documentation of Threshold Limit Values, ed 1. Cincinnati, ACGIH, 1962, pp 26,27
297. Chlorodiphenyls (containing 42% and 54% chlorine), in Hygienic Guide Series. Am Ind Hyg Assoc J 26:92-94, 1965
298. Permissible levels of Toxic Substances in the Working Environment-- 6th Session of the Joint ILO/WHO Committee on Occupational Health, Geneva, June 4-10, 1968, Occupational Safety and Health Series No. 20. Geneva, International Labour Office, 1970, pp 182-87, 197,204,223,231,331,346

299. Winell M: An international comparison of hygienic standards for chemicals in the work environment. Ambio 4:34-36, 1975
300. American Conference of Governmental Industrial Hygienists: Documentation of the Threshold Limits of Substances in Workroom Air, ed 3. Cincinnati, ACGIH, 3rd printing 1976, pp 51,52
301. American Conference of Governmental Industrial Hygienists: Report of the ACGIH Committee on Threshold Limits for the Air of Workplaces, in Transactions of the 38th Annual Meeting, ACGIH, Atlanta, May 17-21, 1976, pp 27,28,30-36,158-60,164,184
302. American Conference of Governmental Industrial Hygienists: Threshold Limit Values for 1968--Recommended and Intended Values, Adopted at the 30th Annual Meeting, ACGIH, St. Louis, May 13, 1968, pp 1,3,5,7

N 08121