Ophthalmology
The University of Michigan

January 26, 1982

William R. Gaffey, Ph.D.
Manager, Epidemiology Section G2WE
Department of Medicine and
Environmental Health
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, MO 63166

Dear Dr. Gaffey:

I recently spoke with Judy Zack regarding Monsanto's mortality study of workers exposed of polychlorinated biphenyls during the production of these compounds. She suggested that I contact you on this regard.

I have an interest in seeing that the results of this study are published, given my active involvement (during the summer of 1978) in the identification, follow-up, and analysis stages of the study. Perhaps you could inform me on the present status of the paper, which was in draft form when I left Monsanto in August, 1978. I would be happy to review any further draft, or contribute to the preparation of a final draft for submission.

I look forward to your response.

Sincerely,

David C. Musch

David C. Musch, M.P.H., Ph.D.
Research Investigator
in Ophthalmology

DCM:kaw

DSW 153315

epartment of Ophthalmology, Box 12, University Hospital, Ann Arbor, Michigan, 48109 (313) 763-14

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Ophthalmology
The University of Michigan

April 14, 1982

William R. Gaffey, Ph.D.
Manager, Epidemiology Section G2WE
Department of Medicine and
Environmental Health
Monsanto Company
800 N. Lindbergh Blvd.
St. Louis, MO 63166

Dear Dr. Gaffey:

Enclosed is a copy of my previous letter (dated 26 January, 1982) regarding the status of the report of Monsanto's retrospective cohort mortality study of workers exposed to polychlorinated biphenyls during production. Since I have not received a response from you regarding my initial inquiry, I wish to reiterate my interest in seeing that the study results are made known via publication in a refereed journal.

I would appreciate your reply regarding this matter.

Sincerely,

David C. Musch

David C. Musch, M.P.H., Ph.D.
Research Investigator in
Ophthalmology

DCM:prs

Enclosure

DSW 153316

Department of Ophthalmology, Box 12, University Hospital, Ann Arbor, Michigan, 48109 (313) 763-141

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Monsanto

DEPARTMENT OF MEDICINE & ENVIRONMENTAL HEALTH

Monsanto Company
800 N. Lindbergh Boulevard
St. Louis, Missouri 63167
Phone: (314) 694-1000

April 26, 1982

Dr. David C. Musch
Department of Ophthalmology
Box 12
University Hospital
Ann Arbor, Michigan 48109

Dear Dr. Musch:

My apologies for not replying more promptly to your letter of January 26, 1982, regarding publication of the mortality study of PCB workers.

I spoke to Judy some time ago about publishing the paper, which we would also like to see in the literature, but did not follow up on it.

I am enclosing a copy of the latest draft that I have, and I am sending Judy a copy. It seems to me that, except for some updating of the references, it is ready for submission.

If you and Judy can make whatever revisions are appropriate, I would be pleased to do whatever is required in the way of typing and furnishing recent references. It may help to have a recent review of PCB epidemiology which I have completed, a copy of which is enclosed.

I regard this as Judy's and your paper, and will do whatever is required to expedite its publication.

Yours sincerely,

William R. Gaffey

William R. Gaffey, Ph.D.
Manager, epidemiology

aw

cc: J. A. Zack

Enclosures

DSW 153317

Ophthalmology
The University of Michigan

May 21, 1982

William R. Gaffey, Ph.D.
Manager, Epidemiology G2WE
Department of Medicine
and Environmental Health
Monsanto Company
800 North Lindbergh Blvd.
St. Louis, MO 63167

Dear Dr. Gaffey:

Thank you for your response to my request for an update on the PCB-mortality paper, and your offer to expedite its publication. After speaking with Judy, I plan to revise the paper by updating its references and expanding the discussion section. I will be in contact with Judy on these revisions, after which your final comments would be welcome. Thank you also for including your review of PCB epidemiology, which will be helpful in the revision effort.

Yours sincerely,

David C. Musch

David C. Musch, M.P.H., Ph.D.
Research Investigator,
Ophthalmology

DCM:kaw

DSW 153318

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Ophthalmology
The University of Michigan

September 15, 1982

William R. Gaffey, Ph.D.
Manager, Epidemiology G2WE
Department of Medicine and
Environmental Health
Monsanto Company
800 North Lindbergh Blvd.
St. Louis, MO 63167

Dear Dr. Gaffey:

While revising the draft of the PCB mortality study, I made use of your comprehensive review of the literature on papers dealing with PCB epidemiology, which was most appreciated in the revision effort. I attempted to locate and review each of the references which I considered appropriate for use in the paper, and was unable to do so for two articles referred to in your review. I would greatly appreciate copies of these two articles, if you have possession of them. They are:

1) Bertazzi, P.A., Zocchetti, C., Guercilena, S., Della Foglia, M., Pesatori, A., and Riboldi, L.: "Mortality study of male and female workers exposed to PCBs," Int. Symposium on Prev. of Occup. Cancer, Helsinki, Finland, April, 1981.

2) Bumgarner, J.E., Hammer, D.I., Colucci, A.V., Creason, J.P., Finklea, J.F.: "Polychlorinated biphenyl residues in refuse workers," Research Triangle Park, North Carolina, U.S. DHEW, PHS, NIEHS, 10 pp., June, 1973.

If the second article is not in your possession, I could refer to the NIOSH Criteria Document's review.

Thank you in advance for your efforts.

Sincerely,

David C. Musch

David C. Musch, M.P.H., Ph.D.
Research Investigator

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DSW 153319

Department of Ophthalmology, Box 12, University Hospital, Ann Arbor, Michigan, 48109 (313) 763-

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Ophthalmology
The University of Michigan

September 16, 1982

Judith A. Zack, M.P.H.
1751 Legend Lane
St. Louis, MO 63141

Dear Judy:

Enclosed is a copy of the manuscript we spoke about by telephone yesterday. Your comments will be welcome. I have changed "arteriosclerotic heart disease" to "ischemic heart disease," since ICD codes 410-413 (8th Rev.) are assigned that title. Ischemic heart disease, of course, includes arteriosclerotic heart disease, myocardial infarction, and angina pectoris. Several other questions I had as I revised the paper included:

1) Is the difference in duration of exposure to PCBs between the 30 who died (3.7 yrs.) and the 58 living (3.2 yrs.) of any significance, statistically? We would need access to the individual data to answer this, of course.

2) Do we have any information on the smoking habits of the workers - especially of those who died from lung cancer? I thought we had some information based on interviews with co-workers.

3) For the excess in deaths due to non-IHD circulatory diseases, should we break these deaths down in order to better define the cause-of-death. If the excess was due to rheumatic heart disease, the significance of this result (i.e., elevated SMRs) would be of less concern than cerebrovascular disease, for example.

Why don't you keep the enclosed copy for your reference, and send me your comments on separate sheets. Once I have them in hand, I will correspond with Dr. Gaffey concerning the ultimate fate of this paper.

Our congratulations to you and Paul on the birth of your son, Steven, and best wishes to you all.

Sincerely,

Dave

David C. Musch, M.P.H., Ph.D.
Research Investigator

DCM:kaw

Enclosure

DSW 153320

Department of Ophthalmology, Box 12, University Hospital, Ann Arbor, Michigan, 48109 (313) 763-14

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