REQUEST TO MONSANTO COMPANY
FOR SAMPLE QUANTITY OF PRODUCT
CONTAINING POLYCHLORINATED BIPHENYL ("PCB")

1. Name and address of organization making request:
Dr. Russell Rulon, Ph.D., Cardiology Research Group
9-455 Alfred Building (St. Mary's Hospital)
Mayo Clinic, Rochester, Minnesota 55901

2. PCB product requested: Aroclor 1254 and Aroclor 1016

3. Quantity requested: Approximately 25 grams of Aroclor 1254 and 25 grams Aroclor 1016.

4. Reason for request: We would like to specifically study the effect that PCB compounds might have on mitochondrial respiration in heart tissue. Idopathic cardiomyopathies are relatively common and perhaps toxic materials might be factors in some of these disease states.

5. Use to which sample of PCB-containing product will be put:
We will place small quantities (1-50 ppm) in a small volume of media (1.63 cc) in the chamber of a Gilson Oxigraph to study possible effects of low level PCB contamination on mitochondrial oxidative metabolis m. Mitochondria will be isolated from mammalian heart tissue. Studies involving in vivo administration may also be attempted.

6. Disposition to be made of any unused portion of sample:
We will return any unused material to Monsanto.

7. Names and brief description of educational background and job responsibility of person(s) who will be working with sample:

Dr. Russell Rulon, Ph.D. — B.A. in Chemistry and Biology, Luther College (1958) Ph.D. Physiology, University of Iowa (Medical School) Postdoctoral Trainee (1969-'70) U. of Virginia Med. School, Dept. of Physiology.

Mr. Jerry Dewey — B.S. Chemistry from Eastern Michigan U. (1973)

Dr. Carlos Harrison, M.D., Ph.D. — ~~M.D. Washington Univ. School of Med. (1956)~~ Ph.D. University of Minnesota, Minneapolis, Minnesota ~~(1964)~~

The undersigned organization represents that: the foregoing statements are true; it understands that if Monsanto elects to supply the requested sample of a PCB-containing product, Monsanto does so in reliance on the truth and accuracy of the foregoing statements; the person(s) designated by the undersigned organization who will be working with the sample is (are) aware that PCBs have been identified as a potential hazard to the environment and that regulations concerning their use or disposition are contemplated or may exist; that the label accompanying any sample will be read and cautions and instructions thereon will be observed; and that care is required in the disposition of PCB-containing products so as to avoid any adverse effect on human health and the environment.

NAME OF ORGANIZATION:

Mayo Clinic - Rochester, Minn.

By Carlos E Harrison MD PhD
(Authorized Signature)

Title Consultant and Investigator Cardiovascular Research Unit

Date September 23, 1975