



INTER-OFFICE CORRESPONDENCE

To: MEMO FOR THE RECORD

Date: December 17, 1976

From: Z. G. Bell, Jr.

Location: 10 West

Subject: Telephone Conversation with
Dr. T. Torkelson, Dow

In a conversation with Dr. Torkelson of Dow Chemical held on December 16, he provided me with the names of people within his company who are knowledgeable on various health topics.

He suggested I discuss chromosomal aberrations with Dr. Kilian (Freeport, Texas, Telephone: 713/238-3361). Dr. Kilian is performing research on the chromosomes of their employees. Ted was not aware whether the data collected was being used to exclude workers from vinyl chloride exposures. He doubted it since they have not gotten a data base on the normal number of aberrations for a non-exposed population. Their work is with lymphocytes because of their availability. Usually 5 μ l of blood is required. The cost, he believes, is somewhere around \$100 per employee.

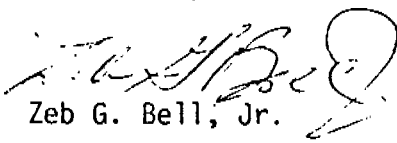
The second subject dealt with the person most knowledgeable concerning removal and return of workers with abnormal liver enzyme results. Ted suggested I talk to Dr. John Venable who is also located in Freeport, Texas (Telephone: 713/238-3591). Dow's industrial hygienist at Freeport is Roger Daniel at 713/238-2121.

Dow is doing some testing using the sheep cell rosette procedure. This was discussed by a physician from Houston in a cancer seminar held last spring.

Discussions were held on vinyl chloride studies being performed by Professor Maltoni. The closest thing to acute exposures with long-term latency period was test BT₁₀. In this work, C x T equivalents were investigated; that is, groups of animals are exposed as follows.

- A. 4-hour exposure five days per week for 5 weeks
- B. 4-hour exposure one day per week for 25 weeks
- C. 1-hour exposure four days per week for 25 weeks

While Professor Maltoni has 12 to 14 studies in progress, only his BT₁ results have been published.


Zeb G. Bell, Jr.

ZGB:ma1

cc: F. C. Dehn
H. B. Lovejoy, M.D.

SL 027978