

February 16, 1940

Mr. R. O. Murphy

Dear Dick:

I have contacted Mr. Boulton Earnshaw, University of Penna. as requested in your letter to me of Feb. 5.

Mr. Earnshaw is the purchasing agent and he turned me over to Dr. D. W. Bronk who is the man that requested him to purchase the TEL. Dr. Bronk is in charge of some of the research laboratories and one of the men under him, Dr. Stevens, is studying the effect of lead poisoning on animals.

Their studies have reached the point where they wish to produce ^hronic lead poisoning in cats, rats or other similar small animals. They intend to carry out the experiments in an existing "fume chamber" about 6' x 6' x 6' with a small blower for introducing the lead fumes and subsequent ventilating. The chamber is constructed of plywood sides and bottom. The blower is quite small, the capacity could not be ^setermined but the discharge pipe is only about 2" dia. The discharge from the chamber is a 1½" pipe about 2^{ft} up from the floor and leads up through the roof. The entire chamber is in a room about 9' x 12' x 9' high, on the top floor of the "Animal Bldg."

KE 0009929

My suggestions were:

1. If they wished to use this wooden chamber that it would have to be dismantled and destroyed after the experiments were completed. Otherwise the chamber should be lined with tin or sheet metal and all joints soldered.
2. The discharge from the chamber be lowered to the floor and both it and the fan be increased in size. In their case I believe that the actual capacity of the blower will be determined somewhat by how important the time element is to them.
3. The man conducting the experiments should never enter this chamber without gas mask and rubber gloves.
4. Gas mask and rubber gloves must be worn while handling the fluid and injecting it into the chamber.
5. I suggested that Dr. Kehoe might be able to give them some valuable suggestions for conducting their experiments.
6. I left a copy of our booklet on rules and regulations, marking the section covering handling the fluid in laboratories.

I believe that they understand the proper handling of of dangerous materials and will take no undue chances with TEL. They were much interested in all I could tell them. I recommend that their order for TEL be filled.

Very truly yours,


Alvin J. Baldwin

P.S. - Dr. Bronk's office and laboratories are in the Maloney Clinic, 36th and Spruce Sts., Philadelphia.

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KF 0009931

My suggestions were:

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