

April 6, 1970

Mr. H. E. Hesselberg
Ethyl Corporation
1600 West Eight Mile Road
Ferndale, Detroit, Michigan 48220

Dear Howard:

A few days ago I received a letter from a former librarian (the predecessor of Mrs. Campbell) of the Kettering Laboratory, who lives now (at least for the present) in Tucson, Arizona, a copy of which I am enclosing herewith. This was delayed in reaching me because it was addressed initially to our apartment in San Francisco.

I think I should tell you (as you will suspect, no doubt) that Nell Conway has no technical knowledge that would qualify her to appraise properly the apparatus of which she speaks. She is a generally capable person with good judgment in the matter of the personal qualities of people. I have little doubt, therefore, that the man of whom she speaks is a thoroughly good and honest person. His technical competence is quite another matter.

I have no idea as to the manner or the degree to which this invention accomplishes the function for which it has been designed. I am properly skeptical, but knowing my own limitations, I think it best to bring this to your attention, for such further action, if any, which you and your associates think advisable. I'll be glad in due course to know what, if anything, I may report back to Nell Conway, or what else I might do.

Sincerely yours,

Robert A. Kehoe, M.D.
Professor Emeritus of
Occupational Medicine

RAK:wp

enclosure

KE 0015032

600 West Orange Grove Road-Box H 200
Tucson, Arizona 85704
March 24, 1973

Dear Bob,

A neighbor of ours, Mr. Frank E. Waterman, has invented a device which I think will interest you. It replaces the muffler of an automobile and a special fluid inside the device "scrubs" the exhaust gases, eliminating a very high percentage of the following: all hydrocarbons, carbon monoxide, nitrogen oxide, sulphur dioxide as well as all metallic substances including lead. The pollutants are captured and deposited as sediment in the bottom of the container.

Mr. Waterman has had the device tested at the Scott Laboratories in San Bernardino, California which is recognized by the U.S. Patent office. On the basis of their results he has received a "patent pending" on the device and the fluid used in it. When the patent comes through his lawyers are ready to apply for patent rights in England, France, Germany, Italy, Sweden, Canada, Mexico, Japan and Australia.

In addition to the results mentioned above the tests showed that the motor of a car equipped with this device idles at 30 R.P.M., faster than a car without it. This means of course that with the better motor performance one will get better mileage from his fuel.

The device is made of heavy plastic and measures 21 x 5 x 7 inches. It can be attached easily to any car and since it has no moving parts no upkeep is required. It will therefore undoubtedly outlast the car it serves. It is expected to cost less than \$50.00. Approximately every 200 miles the container must be cleaned out and clean fluid added, at a cost of about \$2.00. The sediment removed can be discarded with safety. It would be poisonous if ingested but is not dangerous to handle.

Mr. Waterman has founded a small corporation in accordance with the laws of the State of Arizona and has issued a limited amount of preferred stock.

I have thought you might be interested in this device, Bob, because it might possibly interest the Ethyl Gasoline Corporation. I have delayed writing to you until now so that I could give you the best figures available on the performance of the device.

Recently Mr. Waterman has had a new series of tests made at the Scott Laboratories. They told him there that the new figures were substantially better than those on which he obtained the patent pending, but they have not yet sent him their official report. Figures on lead however were received today.

KE 0015933

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This test was carried out by the N.F.C.O. Laboratory here in Tucson, with an atomic absorption spectrograph. These are the results:

Solution A- Direct from engine following 15 minute run
Solution B- through muffler device following 15 min. run

Solution A- 4.6PPM lead in solution

Solution B- 1.0 PPM lead in solution

Now that this report has been received I shall send you this letter at once, for many individuals and corporations are trying to buy the exclusive rights to manufacture and market the product. Following is a partial list of the interested corporations:-

The Martin Marietta Company
The Ling Tempkoand Vought Company
The Gates Rubber Company
The Phillips 66 Oil Co.
The Atlantic Richfield Corporation
Standard Oil of Indiana
The Cattlemen's Association
U.S. Beryllium Company
The International Nuclear Corporation

If this interests you and you should want to get in touch with Mr. Waterman his address is 600 West Orange Grove Road- Box J 110 Tucson, Arizona 85704 and his telephone is 602-297-3767.

Sincerely,

WEL

KE 0015034