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PLAINTIFF'S EXHIBIT
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TO: J. L. Allen
Yvan Couture - Asbestos, Quebec, Canada
W. F. Goodwin
Tom Patterson- Toronto, Canada

CC: W. P. Gibbons
Roger Hackney
C. L. Scheckler
Dr. Kenneth Smith
F. J. Solon, Jr.

Mr. PaulFilteau, Executive Director
Quebec Asbestos Mining Association

ASBESTOS/CANCER

Attached is a copy of an article from the April 15, 1966 edition of the Houston Post. As you will see, it reports on statements made by Dr. Arthur J. Vorwald at the Annual Meeting of the Texas Medical Association last week.

According to Cliff Scheckler, Dr. Vorwald (who heads the Department of Occupational and Environmental Health at Wayne State University School of Medicine in Detroit) is one of the most prominent pulmonary specialists in the country.

Mr. Scheckler stated that Dr. Vorwald has done work for Johns-Manville and is regarded as a real authority and is presently doing some work on the alleged asbestos/ lung cancer relationship in asbestos workers, under the auspices of the U. S. Public Health Service.

W. P. Raines

wpr/eb
att.

Asbestos ... Role in Lung Cancer

By MIRIAM KASS
Post Medical Writer

AUSTIN — The asbestos that lines automobile brakes may play a role in causing lung cancer, an environmental health specialist said Thursday at the annual Texas Medical Association meeting.

Dr Arthur J. Vorwald says there isn't any real proof yet —not even the kind of statistical evidence that pointed to cigarette smoking. But he does describe circumstantial evidence.

FIRST, HE says that studies have shown asbestos fibers, "like pieces of fiber from my coat," to be present in from 70 to 80 per cent of lungs examined at autopsy. "These were not people who had lung cancer." They represented a varied hospital population.

Second, he says asbestos has been incriminated as an occupational hazard with respect to lung cancer.

"In an occupational situation, where men are really exposed by mining and milling, the incidence of carcinoma of the lung is alarming," says Dr Vorwald, who heads the Department of Occupational and Environmental Health at Wayne State University School of Medicine in Detroit.

The U. S. Public Health Service is currently investigating the asbestos-lung cancer relationship in asbestos workers.

DR VORWALD says asbestos also appears to be associated with a new type of tumor which grows in the covering around the lungs.

"It has only come into being in the last few years. It was found in children in South Africa, where they pave the streets with asbestos discards. And it is being found in England."

[illegible] English cases he [illegible], one was in an electrician. "His job was to cut insulation covered cable," he said.

Dr Vorwald pointed out that asbestos is used for siding and [illegible] material in building [illegible], as for brake linings.

THE ORDINARY stopping [illegible] of a car apparently causes fibers to "spew" out into the air, he says, and it may even be possible for [illegible] asbestos to be carried through the veins that circulate air in buildings.

Still, he could not assert that asbestos is an occupational hazard. "The real problem," he said, "is how much of a substance does it take?"

And then, when that question is answered, there will be [illegible] what happens to the cancer-causing effect when you combine that substance with some other chemical?

"This is only one of a host of [illegible] questions about which these questions have to be answered," says Dr Vorwald.

He does not negate "self-selection" as he calls smoking. But he does think people ought to realize that the air of [illegible] industrialized cities is "dirty," and that the dirt is man-made.