

MELLON INSTITUTE OF INDUSTRIAL RESEARCH
UNIVERSITY OF PITTSBURGH

PLAINTIFF'S EXHIBIT

IHF-442

3/17/52
Date

PROGRESS REPORT for the week ended February 9, 1952

INDUSTRIAL HYGIENE FOUNDATION

Industrial Fellowship No. 259-18-B

Subjects under
which report is
to be indexed

Several alterations were made on the automatic smoke filter pump. The thickness and diameter of the diaphragm plate were increased to fill up the dead space and to minimize the slack. These modifications improved the pump performance by approximately 8 per cent. The pump performance as it now stands is: 0.30 cfm against a resistance of 5 inches of water and 0.22 cfm against a resistance of 15 inches of water.

A test run (No. 58) was made at the Power Plant investigating the performance of the new elutriator. The elutriator was designed to remove all particles greater than 25 microns in size having a specific gravity of 2. In this first test run, 83 per cent of the total material was collected in the elutriator. Microscopic examinations of the separate fractions showed that the elutriator fractions ranged from 150 to 950 microns in size and the fraction passing the elutriator, 50 microns and less.

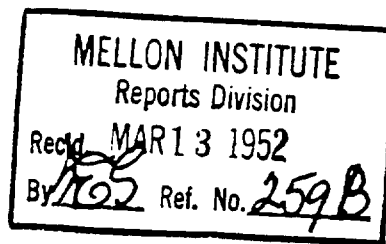
Dr. Braun joined the Foundation on February 1 and was introduced to Institute personnel and facilities.

Plans were made to visit Mutual Chemical Company in Baltimore on February 27, 28, and 29 with Mr. Hatch.

George F. Haines Jr.
George F. Haines Jr.
Junior Fellow

dm

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T: 3/11/52
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