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MINUTES OF INITIAL MEETING OF SANDBLASTING RESEARCH COMMITTEE

HOTEL COMMODORE, NEW YORK CITY,

WEDNESDAY, MAY 22, 1929, 10 a.m.

Chairman, Dr. Leonard Greenburg, called the meeting to order at 10:20 a.m.

A call of the roll showed the following members present:

Dr. C.-E. A. Winslow, Yale Medical School, New Haven, Conn.
Prof. Philip Drinker, Harvard School of Public Health, Boston, Mass.
Dr. F. E. Schubmehl, General Electric Co., West Lynn, Mass.
Mr. P. J. Brand, Pullman Car Mfg. Co., Chicago, Ill.
Dr. L. R. Thompson, U. S. Public Health Service, Washington, D.C.
Mr. William Yant, U. S. Bureau of Mines, Pittsburgh, Pa.
Dr. M. G. Lloyd, U. S. Bureau of Standards, Washington, D.C.
Dr. Asa Gray, Connecticut State Dept. of Health, Hartford, Conn.
Dr. W. J. McConnell, Metropolitan Life Ins. Co., New York City
Dr. Henry F. Smyth, University of Pennsylvania, Philadelphia, Pa.
Mr. H. C. Mougey, Research Laboratories, General Motors Corp., Detroit, Mich.
Mr. C. L. Turner, Mines Safety Appliances, Inc., Pittsburgh, Pa.
Mr. M. I. Dorfan, Pangborn Corporation, Hagerstown, Md.
Dr. Frederick Willson, Willson Products, Inc., Reading, Pa.
Mr. Frederick Wahlert, Pulmosan Safety Equipment Co., Brooklyn, N. Y.
Mr. John B. Gibson, Western Electric Co., Chicago, Ill.
Mr. H. W. Middleton, B. F. Sturtevant Co., Inc., Camden, N. J.
Mr. Joseph Fennel, Metropolitan Life Ins. Co., New York City
Mr. J. J. Bloomfield, U. S. Public Health Service, Washington, D.C.
Mr. W. H. Cameron, National Safety Council, Chicago, Ill.
Dr. Leonard Greenburg, New Haven, Conn.
Dr. C. O. Sappington, National Safety Council, Chicago, Ill.

Mr. Cameron commented on the extensive work of the National Safety Council. The new work of the Industrial Health Division was mentioned. Emphasis was placed on the significance of sandblasting research work and the extensive distribution of sandblasting processes throughout industry.

Dr. Winslow stated that the set-up as far as manufacturing problems go is fairly easy. We are not concerned with the physiological possibilities in this investigation. The dust problem is the main concern. It will not be possible to do laboratory work, but field work with reference to dust content and protective devices forms the basis for the research work to be done.

Dr. Thompson commented on the importance of practical efficiency of dust protection devices. It is hoped that this study would make some contribution to our knowledge of this subject.

Chairman Greenburg stated that plans had been made to contact with 66 industrial plants in Connecticut; with the Navy Yards; and with the enameling industries.

Mr. Dorfan offered the use of the Pangborn spot map which shows different kinds of sandblasting in use in various localities.

-2-

Dr. Schubmehl of the General Electric Company offered the use of X-ray pictures which have been taken during the past six years.

Mr. Brand of the Pullman Company made the same offer.

Dr. Thompson suggested that a series of X-rays showing increased exposures over varying periods of time would be helpful in this study.

Dr. Thompson suggested that the plants be picked in reference to their use of various kinds of devices.

Mr. Cameron suggested that the manufacturers be asked to give a list of where their apparatus is being used.

Mr. Wahlert said that he would be glad to help in this matter.

Mr. Middleton suggested the possibility of studying recirculation. Mr. Dorfman replied to this by saying that recirculation was rarely necessary.

Mr. Drinker suggested adding the representative of a dust collecting company. One such representative has a place on the committee at the present time.

Mr. Dorfman suggested adding Mr. P. J. Potter of the Pangborn Corporation as a consultant, as he has had many years of experience and has been a representative of the National Founders Association.

It was also recommended that representatives of the Monumental and Building Trades and the Ceramic and Enameling industries should be placed on the committee.

Mr. Brand of the Pullman Company suggested that the Standard Safety Equipment Co., of Chicago be represented.

Chairman Greenburg then called for a general discussion of personnel and data. He stated that Dr. Thompson of the U. S. Public Health Service would contribute the services of statistical aids and also see that Mr. Bloomfield and Dr. Greenburg would work together on this research.

There would be no need for any interference in the distribution of the printed reports of the National Safety Council and the U. S. Public Health Service. Mr. Cameron commented on a simple form which is to be used by the National Safety Council.

Dr. Winslow said that all information should be confidential, that a code should be used for plants and devices. Devices will need to be described, but condemnation when necessary would thus be brought out only on types of apparatus and not on individual kinds.

The following suggestions were made in the plan of the sandblasting hazards study:

1. The last sentence of paragraph 1 to be excluded.
2. On page 2, under item 1 "Outside work" should be added to item "a".

Item "b" should be changed to read "Artificial abrasives".

Another item should be added under "d" - "Building and monumental trades".
3. Under item "2-b" there should be added "static suction in hood and recirculation of air". Also "the minimum requirements at the level of the worker's face".
4. Under item "2-d" there should be added "A study of size distribution on representative samples".
5. Under item "2-e", with reference to analyses, add the "United States Geological Survey" and the "Laboratory of the Pullman Car Mfg. Co."
6. On page 3, under item "3-b", it is understood that the testing of apparatus should first be done in the field; if there is still time, some apparatus can be tested in the laboratory. The item to remain as it is.
7. Under items "2-g" and "2-h", there was a question of medico-legal relationship in reference to X-ray pictures of the chest. No difficulty is anticipated. It was emphasized under item "h" that it would probably be difficult to find a low concentration of dust.

Mr. Drinker moved, and Dr. Schubmehl seconded the motion, to accept the program.

It was agreed that the next meeting would be held in the fall, at such time as considered necessary by the various members of the committee.

Motion was made by Mr. Wahlert, and seconded by Mr. Brand, that the meeting adjourn. Carried.

Meeting adjourned at 11:50 a.m. (daylight saving time).

C. O. Sappington, M. D.
Secretary