343

Air Hygiene & Manufacturing Committee
June 4, 1964
Barbizon-Plaza Hotel, New York, N.Y.
9:30 A.M. to 5:00 P.M. Studio M

Attending:

L. C. Williams - Chairman	Raybestos-Manhattan, Inc.
W. C. Atkinson	Johns-Manville Corp.
D. T. Austin	United States Rubber
J. L. Rainey	American Asbestos Textile
Hans Walter	American Asbestos Textile
C. L. Sheckler	Johns-Manville Corp.
A. C. Link	United States Rubber
A. P. Gouveia	H. K. Porter Co., Inc.
T. C. McCluskey, Jr.	Tallman-McCluskey Fabrics Co.

Absent:

R. B. Smith	Raybestos-Manhattan, Inc.

Public Health Service Survey
Progress Report by Dr. Lewis J. Cralley
Members from other ATI Committees attending.

Dr. Cralley gave a most interesting report on his recent trip to France at which time he attended the Congress on Asbestosis. The Congress was sponsored by all Asbestos Producers in France and there was representation from eight or nine countries.

During the general session there were three papers given on the medical check of employees. Of most interest was the report stating previous to 1930 there were 7 to 10 times the occurrence of lung cancer in Asbestos workers vs the General Public and from 1930, after dust control systems were installed in plants, the occurrence was less than the General Public. In both case studies approximately 113 persons were checked.

The Congress indicated the Rayco dust monitoring unit is a very good one. The reason it is a good unit is it can be set to read dust counts in specified fibre lengths; .5 microns, .8 microns or 1 micron. The cost of this unit is approximately $12,000.

Continuing, Dr. Cralley presented a progress report on the Environmental Studies made by his group in U.S. plants. As of this date, they have been to six plants and have taken 1500 to 2000 samples. Depending on plant size the group will complete one or two plants every three months.

206.

CRMC-Motley1000-Subj-001713

Published by AsbestosClaims.Law
asbestosclaims.law/library/12930/1

Dr. Cralley displayed a series of charts showing dust concentrations from thirty years ago vs the current studies. The charts are very encouraging as in every operation - Preparing through Weaving - a significant reduction in dust concentration has been found.

Dr. Cralley stated he will give us a progress report from time to time and when he feels sufficient data is available a complete report will be issued on the Survey.

Dust Monitoring Equipment

Mr. Horst Blume and Dr. Volinsky demonstrated the Sinclair-Phoenix Dust and Smoke Photometer. Their address is:

Phoenix Precision Instrument Co.
3803-05 N. Fifth Street
Philadelphia 40, Pa. USA

Area Code 215 BA-8-7417
Cable: PPICO

The demonstration was very interesting and the Air Hygiene Committee feels the unit has a place in the program of dust controls. The unit through the recorder will give a continuing permanent record of dust concentration in an area rather than a reading just during the time of sampling as our present method does. Before any firm recommendations can be made on this unit correlation between the standard test results and the Sinclair-Phoenix unit would have to be checked. Pamphlets describing the unit were distributed and we expect to have some comments on it by the next ATI meeting.

The price of the unit is approximately $2500 plus $700 for the recorder.

The Committee expressed their thanks to Mr. Blume and Dr. Volinsky for the fine demonstration and also to Hans Walter for suggesting we invite Mr. Blume and Dr. Volinsky to the ATI meeting.

Asbestosis Research Council (England)

Reports received from S. Holmes:

"Experimental Asbestosis in Rats" by P. F. Holt, S. Mills and D. K. Young.

"A New Slow Running Personal Dust Sampler" by R. Hunt and M. Ellison.

"An Electron Microscope Study of the Effect of Asbestos Dust in the Lung" by J. M. G. Davis.

Asbestos Textile Institute Air Hygiene Committee on Dr. Cralley's Progress Report (1964) Published by AsbestosClaims.Law
ACL Doc 12930 · Page 2 of 4 asbestosclaims.law/library/12930/2

"The Ultrastructural Changes That Occur During The Transformation of Lung Macrophages to Giant Cells and Fibroblasts in Experimental Asbestosis" by J. M. G. Davis.

Each of the above papers were reviewed and found to be of interest and very informative. Every Committee member has a copy of each paper and will keep them on file for future reference.

The Committee agrees that the ATI should encourage all persons studying the effect of Asbestosis on Health to forward the papers to the ATI for our reference. This followup will keep the ATI abreast of all programs on this subject.

Medical Report on Asbestosis

Reprint from Diseases of the Chest
Official Journal of the
American College of Chest Physicians
from Mr. H. C. Givan, Jr.
Jessop Steel Company
Washington, Pa.

A review of this paper was made and we feel this information in the paper is basic.

Special note was made to two paragraphs under Industrial Hygiene Aspect.

1) "In spite of the fact that the total dust exposure may be higher in the asbestos mining industry, the health hazard is more serious in the asbestos textile industry. The explanation for this is that in mining 80 percent to 95 percent of the dust may be serpentine rock dust, which is biologically relatively inert."

2) "Techniques of dust counting vary considerably and need to be standardized. The most practical method is the membrane filter device. The most accurate but least practical methods are the thermal and electrostatic precipitation. The Konimeter and Impinger methods are unreliable. Currently the value of the Tyndallometer and photoelectric methods are being explored."

Both of these statements are questionable and we believe will be changed in the future when the Public Health Program report is issued.

Environmental Dust Counting Technique

Mr. Sunbury gave us for review a sample of the print setup and size booklet which will be printed. The Committee agreed that the

CRMC-Motley1000-Subj-001715

sample would be acceptable and instructed Mr. Sunbury to have the booklet printed. If all goes according to schedule, the booklet should be available in two or three weeks.

Mr. Sunbury asked this Committee to suggest publication for advertising this booklet. We suggest Textile World, Textile Industries and American Public Health Journal.

Thank you, Mr. Sunbury, for following up on the details of publishing this booklet.

State of New Jersey - Department of Health
E. Lynn Schall

The conference - "Biological Effects of Asbestosis" - October 19-21, 1964

The conference has grown in size and has been moved to the New York Academy of Sciences. The ATI will not take an active part in this conference. However, each of us is very interested in the conference and most likely all member companies will want to have someone attend.

As soon as additional information is received Mr. Sunbury will keep us informed on developments.

American Industrial Hygiene Association

The Committee reviewed a paper given by Dr. J. J. Selckoff at this meeting. The title of the paper is "Asbestos Exposure and Neoplasia". The study was made by a research team on all the men who have become members of the New York City-Newark, New Jersey locals of the International Union of Heat and Frost Insulators and Asbestos Workers AFL-CIO since December 31, 1942. They are building trades workers.

Details of the report were reviewed and each member has a copy for reference.

General Topics

Items of interest such as noise abatement, safety, new equipment, plant housekeeping, Airodynamic control of air at Twisting, and equal pay for male and female workers were discussed.

L. C. Williams, Chairman
Air Hygiene & Mfg. Committee

ae

CRMC-Motley1000-Subj-001716