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INDUSTRIAL COMMISSION
OF
WISCONSIN

Fred M. Wilcox
Commissioner, Chairman

R. G. Knutson
Commissioner

Voyta Wrabetz
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Proceedings of Conference Concerning

EFFECTS OF DUSTS UPON THE RESPIRATORY SYSTEM

CIRCUIT COURT FOR BALTIMORE COUNTY
PETITIONER'S EXHIBIT
No. 12 17 1944

Held at Medinah Athletic Club, Chicago
November 16–17, 1932

DEPOSITION EXHIBIT

CONTENTS

Page

WEDNESDAY, NOVEMBER 16, 1932—MORNING SESSION

Fred M. Wilcox, Chairman, Industrial Commission of Wisconsin
Preliminary remarks 5
Address of Dr. Leroy U. Gardner, Director of Saranac Laboratory for study of tuberculosis 8

WEDNESDAY, NOVEMBER 16, 1932—AFTERNOON SESSION

Address of Dr. W. Irving Clark, Medical Director of Norton Company, Worcester, Massachusetts 50
Discussion 60
Continuation of address of Dr. Gardner 70
Address of Donald E. Cummings, Assistant Director of Saranac Laboratory for Study of Tuberculosis 81
Discussion 103

THURSDAY, NOVEMBER 17, 1932—MORNING SESSION

Discussion of addresses of Dr. Gardner and Mr. Cummings 112
Address of Dr. H. S. Willis, Pathologist of Wm. H. Maybury Sanatorium, Detroit, Michigan 124
Address of J. J. Bloomfield, Sanitary Engineer, U. S. Public Health Service 138

THURSDAY, NOVEMBER 17, 1932—AFTERNOON SESSION

Address of Dr. Albert E. Russell, Surgeon, U. S. Bureau of Mines 167
Discussion 188

APPENDICES

APPENDIX A—Biographical sketches 208
APPENDIX B—List of persons who attended conference 213

Dr Albert E. Russell, Surgeon, U.S. Bureau of Mines

This man was a slate worker. His history is that he lived in the area of this slate and that for most of his life, aside from farming, that had been his sole occupation. The slate workers in one plant which we observed were not exposed to any quartz. The plant adjacent to this mill had about 3% quartz in the slate it used. You will note in considering slate that the silica content of slate varies in different areas so we can't say that slate has a definite amount of silica without determining it first. The same holds true for granite. There are certain granites which have much less than 35%. I think most of the Vermont granite contains about 35% quartz. You can see the futility of trying to compare X-rays of the lungs from workers in one industry to those of another.

This is an X-ray of a slate miller. You will notice he has a few pulmonary markings, with quite a bit of fine linear fibrosis. We found in the group of slate miller workers one case who had an active tuberculosis. He had been in this slate mill about six years and apparently the tuberculosis was just incidental and not a result of his occupation.

Other slate workers showed hilus thickenings with a few calcifications. Still other slate workers showed a different picture but not extensive pathology.

This is an X-ray of another slate worker showing quite a bit of shadows in the lower portion of the right lung with a few calcifications.

This is the X-ray of a man who had, or has, asbestosis. His occupation was that of cleaning and restoring the asbestos on pipes in one of our government hospitals. He had been working at the trade about six years, I think, and you will see, he has fibrosis of both lungs. The character of the fibrosis is quite a bit different from that of the granite workers. He had disability and the government compensated him for it.

This is a graph showing classification of silicosis. The first classification was made in South Africa. They started out classifying their cases as primary and secondary stages, and as they learned more about the disease they had to add to this classification. They learned that they had a stage earlier than primary and it was called ante-primary,

which position he held until 1919. He then entered the employment of the United States Public Health Service as a member of the Staff of Service, Hospital No. 26, at Greenville, South Carolina, where he remained in service, specializing in the treatment of tuberculosis during 1920 and 1921. From 1922-23, inclusive, Dr. Russell acted as Assistant Chief of the Tuberculosis Hospital Section of the U. S. Veterans' Bureau. From 1924-30 he was in charge of field studies as to the health of workers in dusty trades for the United States Public Health Service. In 1930 he was appointed as official representative of the United States at the International Silicosis Conference at the League of Nations at Johannesburg, South Africa, of which he acted as Vice-Chairman. In 1930 he became Chief Surgeon of the U. S. Bureau of Mines.

Dr. Russell has made numerous contributions to medical magazines, and has written many reports for the U. S. Public Health Service, covering particularly the field of pulmonary diseases and more specifically those diseases resulting from the inhalation of dust.

California
N. Dakota
Connecticut
Mass
Wisc

Did all visits

w/ Compliance in 1932 and

after.

Until this year Kansas City, Mo. & Compton, Cal.

LIST OF PERSONS
CERNING EFFEC
SYSTEM HELD
SION OF WISCON
BER 16 17, 192

Name

Atkinson, F... Mil

August, R. A.... Mor

Banyai, Dr. A. L. Mil

Bellis, Dr. G. L. . Wa

Berlin, Dr. D. S. Chic

Biever, E. J.... Koh

Bloomfield, J. J.. . Wa

Britton, Dr. J. A. Chic

Brown, Wm. E. Mil

Clark, Dr. W. Irvine Wor

Cottingham, M. D. Kok

Cummings, D. E. Sara N

DeBlois, Lewis New

Dickson, L. H. ... Chic

Dobbins, Dr. Thos. Ken

Doe, Arthur B.... . 525 31

Earlywine, J. L.... Chic

French, G. E.. Chic

Ford, Dr. W. B. Mil

Appendix B

LIST OF PERSONS WHO ATTENDED CONFERENCE CONCERNING EFFECTS OF DUSTS UPON THE RESPIRATORY SYSTEM HELD BEFORE THE INDUSTRIAL COMMISSION OF WISCONSIN AT CHICAGO, ILLINOIS, ON NOVEMBER 16-17, 1922.

Name	Address	Profession	Business Connection
Andrews, Asa A.	Chicago, Ill.		Lumbermens Mutual Casualty Co.
Atkinson, F.	Milwaukee, Wis.		Liberty Mutual Casualty
Augst, R. A.	Montreal, Wis.		Montreal Mining Co.
Banyai, Dr. A. L.	Milwaukee, Wis.	Physician	Clinic Director, Muirdale San.
Belknap, E. L. M. D.	231 W. Wis. Ave. Milwaukee, Wis.	Medical Director	Globe Union Mfg. Co.
Bellis, Dr. G. L.	Wauwatosa, Wis.		Supt. Muirdale San.
Berlin, Dr. D. S.	Chicago, Ill.		Augustine Hosp.
Biever, E. J.	Kohler, Wis.	Mech. Engineer	Kohler Company
Bloomfield, J. J.	Washington, D. C.		U. S. Public Health Service
Britton, Dr. J. A.	Chicago, Ill.	Medical Director	International Harvester Co.
Brown, Wm. E.	Milwaukee, Wis.	Lawyer	Allis-Chalmers Mfg. Co.
Clark, Dr. W. Irvine	Worcester, Mass.	Physician	Norton Company Harvard School
Cottingham, M. D.	Kohler, Wis.	Medical Director	Kohler Company
Cummings, D. E.	Saranac Lake, N. Y.	Ass't Director	Saranac Lab.
DeBlois, Lewis	New York, N. Y.		
Dickson, L. E.	Chicago, Ill.		Standard Equipment Co.
Dobbins, Dr. Thos.	Kenosha, Wis.		Nash Motors Co.
Doe, Arthur B.	825 N. Broadway, Milwaukee, Wis.	Lawyer	Employers Group
Earlywine, J. L.	Chicago, Ill.		
French, G. E.	Chicago, Ill.		Liberty Mut. Cas.
Ford, Dr. W. B.	Milwaukee, Wis.	Physician	Ass't Chief T. B. Div. Health Dept.

Name	Address	Profession	Business Connection
Gaudrey, Alfred R.	Milwaukee, Wis.	Lawyer	Ass't City Atty.
Nowak, C. A.	Chicago, Ill.		Ill. Indus. Com.
O'Malley, Dr. T. S.	324 W. Wis. Ave., Milwaukee, Wis.	Surgeon	
Ogden, Dr. C. H.	Chicago, Ill.		Ill. Steel Co.
Otjen, C. J.	Milwaukee, Wis.	Attorney	Liberty Mutual Ins. Co.
Parrish, L. J.	Milwaukee, Wis.		A. O. Smith Corp.
Pierport, Dr. D. C.	Ironwood, Mich.		Pickands, Mather Co.
Reid, M. A.	Hurley, Wis.		Montreal Mining Co. & Odanah Iron Co.
Reynolds, Paul F.	Cleveland, Ohio		Montreal Mining Co.
Ringo, Dr. H. F.	Montreal, Wis.		Montreal Mining Co.
Russell, Dr. A. E.	Washington, D.C.	Surgeon	U.S. Public Health Service
Sander, O. A.	800 Empire Bldg., Milwaukee, Wis.		Employers Mut.
Sappington, Dr. C. O.	Chicago, Ill.	Consultant Ind. Med.	
Schlomovist, W. Benj. H.	210 Empire Bldg., Milwaukee, Wis.	Internist	
Sexton, James M.	Milwaukee, Wis.		Employers Mut.
Story, H. W.	Milwaukee, Wis.		Allis-Chalmers Mfg. Co.
Tarrell, L. A.	Milwaukee, Wis.	Attorney	
Thuringer, E. L.	Milwaukee, Wis.	Pathologist	
Warfield, Dr. Louis M.	Milwaukee, Wis.	Internist	
White, Wm. W.	Cleveland, Ohio		Montreal Mining Co.
Wilcox, F. M.	Madison, Wis.	Chairman	Wis. Indus. Com.
Willis, H. S.	Detroit, Mich.		Detroit Public Health Dept.
Goldschmidt, W. J.	Milwaukee, Wis.	Attorney	
Graves, Dr. S. S.	Chicago, Ill.	Medical Director	Ill. Indus. Com.
Gray, A. W.	324 E. Wis. Ave., Milwaukee, Wis.	Medical	Private Practice

Name	Address	Profession	Business Connection
Guillert, F.	Chicago, Ill.		Eye Shield Co.
Guire, Peter, Jr.	Chicago, Ill.	Commissioner	Ill. Indus. Com.
Habbe, Dr. J. E.	Milwaukee, Wis.	Roentgenologist	
Hensel, H. G.	Chicago, Ill.	Safety Director	Youngstown Sht. & Tube Co.
Huth, Gordon C.	Chicago, Ill.		Universal Atlas Cement Co.
Ireland, Walter	Kohler, Wis.	Employment Mgr.	Kohler Co.
Janzer, W. W.	Milwaukee, Wis.		Seaman Body Corp.
Knutson, R. G.	Madison, Wis.	Member	Wis. Indus. Com.
Kuechle, B. E.	Box 32, Wausau, Wis.	Insurance	Employers Mut.
Kuhn, Dr. Leroy P.	Chicago, Ill.		Lumbermens Mut. Cas. Co.
Lavich, J. L.	Chicago, Ill.		Lumbermens Mut. Cas. Co.
Lotz, Oscar	324 E. Wis. Ave., Milwaukee, Wis.	Medical	Private Practice
McIntyre, M. D.	Cleveland, Ohio		Pickands, Mather Co.
McLaren, Dr. J. B.	Appleton, Wis.	Physician	Chief Surgeon, Kimberly-Clark Corp.
Mellum, H. J.	Kenosha, Wis.		Nash Motors Co.
Miloslavich, Dr. Edw. L.	Milwaukee, Wis.	Pathologist	
Nelson, Harry A.	Madison, Wis.	Director, Workmen's Comps.	Wis. Indus. Com.
Wrabetz, Voyta	Madison, Wis.	Member	Wis. Indus. Com.
Wright, C. B.	Minneapolis, Minn.	Internist	
Zinn, R. P.	Ironwood, Mich.		Pickands, Mather Co.