

Defendant
JMSC
Exhibit

CIVIL NO. 8000 - 1032

For Identification

In Evidence

Clerk

PLAINTIFF'S
EXHIBIT

SL-181

January 26, 1956

Dean F. Davies, M.D.
American Cancer Society
521 West 57th Street
New York 19, New York

Dear Doctor Davies:

Pursuant to your telephonic request of a few days ago, herewith the further information your office needs in view of the change in application forms:

- (a) Curriculum Vitae, Dr. O. J. Dobrogorski
Attached: Appendix A
- (b) Time of Staff Available for A.C.S. project
Attached: Appendix B
- (c) Additional persons participating in the study and not supported by the grant (already answered under 6A and 12(a) on the application form. Complete list attached: Appendix B
- (d) Publications which have resulted from this particular research grant: None as yet. However, it should be pointed out that the Laboratory has pioneered the pathology of Asbestosis and Beryllium disease as a confidential service to industry for 20 and 12 years, respectively, releasing a number of restricted reports. In addition, we include for your benefit a list of publications from the staff covering the period 1937 to present, which represents the time during which members of our staff who are still with us gained experience in the field of experimental diseases of the lung. On the copy I am sending you I have marked off those papers which have special reference to either problems in Asbestosis or in Beryllium disease.
Attached: Appendix C

010472

1032

Page 2.

Dean F. Davies, M.D.
American Cancer Society

January 26, 1956

You will, of course, appreciate the fact that since most of our studies are long term experiments, papers reporting the results of our findings must often be delayed for a long time after the initiation of the project.

With kind regards,

Yours sincerely,

G. W. H. Schepers, M.D., D.Sc.
Director

GWHS:LB

Enclosures: Appendix A
" B
" C

010473

1033

010476

Saranac Laboratory 1-26-56

Appendix B

TIME OF STAFF AVAILABLE FOR WORK ON

AMERICAN CANCER SOCIETY PROJECT

<u>Name and Title</u>	<u>Duties</u>	<u>Time per cent</u>	<u>Supported by A.C.S.</u>
C.W.H. Schepers, M.D., D.Sc. Director	Supervising program, technical procedures, and detailed studies on histopathology; write reports	25	0
T. M. Durkan, M.E. Chemist	Supervise engineering phases; inorganic chemistry of dusts and organs	10	0
O. J. Dobrogorski, M.D. Pathologist	Histopathology interpretations; animal autopsies	25	Yes
L. D. Scheel, Ph.D. Biochemist	Biochemistry of enzyme changes and beryllium concentration in lung and other tissues	25	Yes
M. L. Roberts, M.E., E.E. Engineer	Construction and supervision of all dust chambers	10	0
S. Kasser, M.E., E.E. Biostatistician	Collating and analyzing all biological and engineering observations	15	0
A. B. Delahant Research Biologist	Control of animal protocols and sacrificing schedules; animal autopsies	15	0
D. A. Bailey Petrographer	Preparing all dusts for dispersion chambers; identifying dusts in tissues	10	0
J. G. Schmidt Clinical Pathologist	Blood counts, phosphatases, bacteriology, etc., on animals under study	5	0
O. J. Boula Animal Caretaker	Cleaning dust chambers; feeding animals (beryllium chambers)	35	Yes
F. V. Rooney Radiographer	Serial radiography of animals	10	Yes
E. L. Gockeler Photographer	Photography of slides and specimens	5	0
F. T. Creedon Histology Technician	Preparing slides	20	Yes
W. C. Gay Histology Technician	" "	20	0
E. Fear Histology Technician	" "	20	0

1036

010477

Saranac Laboratory 1-26-56

Appendix B (cont'd)

TIME OF STAFF AVAILABLE FOR WORK ON

AMERICAN CANCER SOCIETY PROJECT

<u>Name and Title</u>	<u>Duties</u>	<u>Time per cent</u>	<u>Supported by A.C.S.</u>
J. W. Jacobsen Engineering Technician	Serial dust counts and beryllium determinations of exposure chambers	10	0
F. Dugan Engineering Technician	ditto	15	0
M. Moody Mechanic	Preparing exposure chambers and apparatus	30	0
R. W. Clark Pathology Technician	Animal autopsies	10	0
R. E. Liddy Chemistry Technician	Beryllium determinations	10	0
C. Philipp, Ph.D. Biochemistry Technician	Serial alkaline phosphatase de- terminations	10	0
A. J. Redlin Chemistry Technician	Silica determinations of lungs of exposed animals	10	0
W. L. Utting Chemistry Technician	Cleaning of glassware	10	0
R. A. Whitelaw Animal Caretaker	Cleaning cages and feeding animals (asbestos chambers)	30	0
L. R. Eklm Secretary	Typing reports	10	0

Appendix C

1-26-56

SARANAC LABORATORY STUDIES
by
Current Members of the Staff

*Papers which have a bearing on a plethysmograph pulmonary
carcinomas are marked ✓*

DWORSKI, MORRIS Comparative Ventricular White Blood Counts in Normal Guinea Pigs. Am. Rev. Tuberc. 35:740, June 1937.

DWORSKI, MORRIS and DELAHANT, ANTHONY B. Comparative Ventricular White Blood Counts in Experimental Primary Tuberculosis in Guinea Pigs. Am. Rev. Tuberc. 25:753, June 1937.

- 1938 -

VORWALD, ARTHUR J. and DELAHANT, ANTHONY B. The Influence of Silica on the Natural and Acquired Resistance to the Tubercle Bacillus. Am. Rev. Tuberc. 38:347, September 1938.

- 1939 -

VORWALD, ARTHUR J., DELAHANT, ANTHONY B. and DWORSKI, MORRIS Silicosis and Type III Pneumococcus Pneumonia: An Experimental Study. J. Indust. Hyg. and Tox. 22:64, February 1940.

CUMMINGS, DONALD E., DOWIE, ROBERT N. and BERG, MELVIN Tuberculous Lesions in Male Industrial Workers. Am. Rev. Tuberc. 39:439, April 1939.

GARDNER, LEROY U., DURKAN, THOMAS M., DRUMFIEL, DANIEL H. and SAMPSON, HENRY L. Survey in Seventeen Cement Plants of Atmospheric Dusts and Their Effects Upon the Lungs of Twenty-Two Hundred Employees. J. Indust. Hyg. and Tox. 21:279, September 1939.

DURKAN, Thomas M. Gypsum Industry— Atmospheric Conditions. Fourth Saranac Laboratory Symposium on Silicosis, Saranac Lake, N.Y., June 13 to June 23, 1939, conducted and edited by Gardner, L.U. and Kuechle, B.E., Vice-President and Claims Manager, Employers Mutual Liability Insurance Company, Wausau, Wis. - p. 166.

DURKAN, THOMAS M. Cement Industry— Atmospheric Conditions, Idem, p. 177.

- 1940 -

GARDNER, LEROY U., VORWALD, ARTHUR J. and DELAHANT, ANTHONY B. Therapeutic Effect of Dodecanoyl-Sulfanilamide on Tuberculosis in Guinea Pigs. Trans. Thirty-Sixth Annual Meeting of the National Tuberculosis Association, 1940.

- 1941 -

GARDNER, LEROY U., DWORSKI, MORRIS and DELAHANT, ANTHONY B. Experimental Study of Inhibitory Effects of Aluminum Compounds in Silicosis. Bull. American Ceramic Society, 20, August 1941.

010480

1040

SARANAC LABORATORY STUDIES
by
Current Members of the Staff
(cont'd.)

- 1942 -

GARDNER, LEROY U. and REDLIN, ANDREW J. The Significance of Chemical Examination in the Diagnosis of Silicosis. J. Indust. Hyg. and Tox. 24:125, June 1942.

- 1943 -

GARDNER, LEROY U. and DELAHANT, ANTHONY B. Action of Finely Divided Magnesium Upon the Lungs. Am. J. Pub. Health 33:153, February 1943.

- 1944 -

GARDNER, LEROY U., DWORSKI, MORRIS and DELAHANT, ANTHONY B. Aluminum Therapy in Silicosis. An Experimental Study. The Donald E. Cummings Memorial Lecture. J. Indust. Hyg. and Tox. 26:211, September 1944.

- 1946 -

DURKAN, THOMAS M. The Determination of Free Silica in Industrial Dust. J. Indust. Hyg. and Tox. 28:217, September 1946.

- 1947 -

BAILEY, DONALD A. Conversion of Silica During Ignition. A Possible Source of Error in Analysis of Powdered Samples. J. Indust. Hyg. and Tox. 29:242, July 1947.

✓ DWORSKI, MORRIS The Beryllium Problem: Certain Aspects of the Acute Toxicity of Beryllium Injected Intraperitoneally, Harold C. Hodge, Ph.D., William L. Downs and Elliott A. Maynard, Discussion of: Sixth Saranac Symposium, Pneumoconiosis- Beryllium, Bauxite Fumes, held in Saranac Lake, N.Y., Sept. 29 - Oct. 3, 1947, Editor, Arthur J. Vorwald, Leroy U. Gardner Memorial Volume, published by Paul B. Hoeber, Inc., Medical Book Department of Harper and Brothers, p. 299.

✓ DELAHANT, ANTHONY B. The Beryllium Problem: Preliminary Studies in the Toxicology of Beryllium: The Effect of Intratracheal Injection of Beryllium in Experimental Animals, Charles W. LaBelle and Martha Reid Gucci, Discussion of: Idem, p. 323.

✓ DURKAN, THOMAS M. The Beryllium Problem: A Review of Analytical Methods for Beryllium, William F. Neuman, Ph.D., Discussion of: Idem, p. 356.

✓ DURKAN, THOMAS M. The Beryllium Problem: Chemical Methods, Idem, p. 426.

SARANAC LABORATORY STUDIES
by
Current Members of the Staff
(cont'd.)

- 1949 -

BAILLEY, DONALD A. A Note on the Conversion of Amorphous Silica to Quartz. Am. Mineralogist 34:601, 1949.

VORWALD, ARTHUR J., DURKAN, THOMAS M., PRATT, PHILIP C. and DELAHANT, ANTHONY B. Diatomaceous Earth Pneumoconiosis. Proc. of The Ninth International Congress on Indust. Med., London, 1949.

- 1950 -

VORWALD, ARTHUR J., PRATT, PHILIP C., DURKAN, THOMAS M., DELAHANT, ANTHONY B. and BAILLEY, DONALD A. Siderosis: An Experimental Study of the Pulmonary Reaction Following Inhalation of Dust Generated by Foundry Cleaning Room Operations. Indust. Med. and Surg. 19:151, April 1950.

VORWALD, ARTHUR J., DWORSKI, MORRIS, PRATT, PHILIP C., and DELAHANT, ANTHONY B. BCG Vaccination in Silicosis. Am. Rev. Tuberc. 62:455, November 1950.

- 1951 -

VORWALD, ARTHUR J., DURKAN, THOMAS M. and PRATT, PHILIP C. Experimental Studies of Asbestosis. Arch. Indust. Hyg. and Occup. Med. 3:1, January 1951.

DURKAN, THOMAS M. The Inhalation of Certain Industrial Substances: Silica, Seventh Saranac Symposium, Pneumoconiosis and Pulmonary Cancer, Including Medical and Legal Aspects, held in Saranac Lake, N.Y., Sept. 22 - 26, 1952. (Publication pending).

- 1953 -

PRATT, PHILIP C., BAILLEY, DONALD A., DELAHANT, ANTHONY B. and VORWALD, ARTHUR J. Relationship Between the Piezoelectric Property and the Fibrogenic Capacity of Dust. Arch. Indust. Hyg. and Occup. Med. 8:109, August 1953.

- 1954 -

VORWALD, ARTHUR J., DWORSKI, MORRIS, and PRATT, PHILIP C. The Use of Quartz Dust for Challenging the Viability of Tubercle Bacilli in Tuberculous Lesions. Am. Rev. Tuberc. 69:841, May 1954.

VORWALD, ARTHUR J., DWORSKI, MORRIS, PRATT, PHILIP C., and DELAHANT, ANTHONY B. BCG Vaccination in Silicosis. II. An Experimental Study of the Influence of Inhaled Quartz Dust Upon Infection by BCG (Aronson), H37Ra, and M. Marinum Strains of Tubercle Bacilli. Am. Rev. Tuberc. 69:766, May 1954.

010482 . 1042

- 3 -

SARANAC LABORATORY STUDIES
by
Current Members of the Staff
(cont'd.)

- 1954 - cont'd. -

SCHEPERS, G.W.H. Industrial Medicine in South Africa. Indust. Med. and Surg. 23:278, June 1954.

SCHEPERS, G.W.H. The Rheumatic Lung. Indust. Med. and Surg. 23:374, August 1954.

- 1955 -

SCHEPERS, G.W.H. Industrial Asthma and Bronchitis. Indust. Med. and Surg. 24:153, February 1955.

SCHEPERS, G.W.H., Editor, McIntyre-Saranac Conference on Occupational Chest Disease, February 7, 8, and 9, 1955, at Saranac Lake, N.Y., published by the American Medical Association, Chicago, Ill. Also published in July, August and September 1955 issues of the A.M.A. Arch. Indust. Health.

SCHEPERS, G.W.H. Comparative Vascular Pathology of Occupational Chest Diseases. A.M.A. Arch. Indust. Health 12:7, July 1955.

SCHEPERS, G.W.H. Occupational Chest Diseases in Gold Miners. Idem, p. 33.

SCHEPERS, G.W.H. and DELAHANT, ANTHONY B. The Antagonistic Biological Action of Quartz and Potassium Carbonate. A.M.A. Arch. Indust. Health 12:109, August 1955.

✓ DELAHANT, ANTHONY B. An Experimental Study of the Effects of Rare Metals on Animal Lungs. Idem, p. 116.

SCHEPERS, G.W.H. The Biological Action of Tantalum Oxide. Idem, p. 121.

✓ SCHEPERS, G.W.H. The Biological Action of Cobaltic Oxide. Idem, p. 124.

✓ SCHEPERS, G.W.H. The Biological Action of Particulate Cobalt Metal. Idem, p. 127.

✓ SCHEPERS, G.W.H. The Biological Action of Particulate Tungsten Metal. Idem, p. 134.

✓ SCHEPERS, G.W.H. The Biological Action of Tungsten Carbide and Carbon. Idem, p. 137.

✓ SCHEPERS, G.W.H. The Biological Action of Tungsten Carbide and Cobalt. Idem, p. 140.

SCHEPERS, G.W.H. The Pulmonary Disability Legislation of South Africa. Idem, p. 147.

✓ SCHEPERS, G.W.H. and DURKAN, THOMAS E. The Effects of Inhaled Talc-Mining Dust on the Human Lung. Idem, p. 182.

• 010483 1043

SARANAC LABORATORY STUDIES
by
Current Members of the Staff
(cont'd.)

- 1955 - cont'd. -

SCHEPERS, G.W.H. and DURKAN, THOMAS M. Pathological Study of the Effects of Inhaled Gypsum Dust on Human Lungs. *Idem*, p. 209.

DWORSKI, MORRIS Prophylaxis and Treatment of Experimental Silicoasis by Means of Aluminum. *A.M.A. Arch. Indust. Health* 12:229, September 1955.

SCHEEL, LESTER D. Study of Surface Properties of Quartz Dust. *Idem*, p. 262.

SCHEPERS, G.W.H. Cytobiological Manifestations of the Surface Properties of Quartz. *Idem*, p. 266.

✓ SCHEPERS, G.W.H. An Experimental Study of the Effects of Glass Wool on Animal Lungs. *Idem*, p. 276.

✓ SCHEPERS, G.W.H. The Biological Action of Glass Wool. *Idem*, p. 280.

✓ SCHEPERS, G.W.H., DELAHANT, ANTHONY B. and REDLIN, ANDREW J. An Experimental Study of the Effects of Rare Earths on Animal Lungs. *Idem*, p. 297.

✓ SCHEPERS, G.W.H. The Biological Action of Rare Earths. I. The Experimental Pulmonary Histopathology Produced by a Blend Having a Relatively High Oxide Content. *Idem*, p. 301.

✓ SCHEPERS, G.W.H. The Biological Action of Rare Earths. II. The Experimental Pulmonary Histopathology Produced by a Blend Having a Relatively High Fluoride Content. *Idem*, p. 306.

✓ SCHEPERS, G.W.H. and DURKAN, THOMAS M. An Experimental Study of the Effects of Talc Dust on Animal Tissue. *Idem*, p. 317.

SCHEPERS, G.W.H., DURKAN, THOMAS M. and DELAHANT, ANTHONY B. The Biological Effects of Calcined Gypsum Dust. *Idem*, p. 329.

✓ SCHEPERS, G.W.H., DURKAN, THOMAS M. and DELAHANT, ANTHONY B. Effect of Inhaled Commercial Hydrous Calcium Silicate Dust on Animal Tissues. *Idem*, p. 348.

✓ ROBERTS, MALCOLM L. Relationship of Particle Count, Weight, Shape and Size of Air-Borne Dusts. *Idem*, p. 361.

- 1956 -

✓ SCHEPERS, G.W.H. Chronic Pulmonary Beryllium Disease: Recent Observations. *Trans. of the Industrial Hygiene Foundation, Twentieth Annual Meeting, 1955.* In press.

• 010484

• 1044