

RESUME

Hans Weill received his B.A. and M.D. from Tulane University. His training includes an internship at Mount Sinai Hospital in New York, and a residency in internal medicine at Charity Hospital and Fellowship in Pulmonary Diseases at Tulane, both in New Orleans.

Since 1962, Dr. Weill has been on the Tulane faculty. His most recent full-time position has been Professor of Medicine, Chief of the Section of Environmental Medicine, and the Schlieder Foundation Professor of Pulmonary Medicine at the Tulane University Medical Center in New Orleans. From 1989-1993, Dr. Weill served as the founding Director of the Tulane University Center for Bioenvironmental Research. Until mid-1996, he directed an interdisciplinary research program in occupational lung diseases, and for over thirty years has been investigating the respiratory health effects of workplace exposure to such airborne inhalants as silica, asbestos, man-made mineral fibers, cotton, chlorine and isocyanates. Approximately 200 published papers appear in the scientific and medical literature as the result of this research. He retired from the active full-time faculty in June, 1997 and is now Professor Emeritus at Tulane. He currently resides in Basalt, Colorado and Mandeville, Louisiana while continuing to be active professionally, in both research and consultation.

His research team has produced information on the relationships between qualitative and quantitative aspects of occupational exposure dose and indicators of respiratory disease. The results of these investigations have been published in many scientific journals and books, and been used by federal regulatory agencies (including the Occupational Safety and Health Administration [OSHA], the National Institute for Occupational Safety and Health [NIOSH], and the Environmental Protection Agency [EPA]), in setting occupational health standards, and have formed the basis for testimony in Congressional and judicial hearings.

During the years 1972 to 1992, he was Director of the Specialized Center for Research (SCOR) funded by the National Heart, Lung and Blood Institute of the NIH for the investigation of occupational lung diseases. From 1992 to 1996, he was Principal Investigator of a National Institute of Environmental Health Sciences (NIH) Superfund Basic Research Program involving a number of environmental projects throughout the University. These were both large, multi-project, interdisciplinary research programs funded by the National Institutes of Health.

Dr. Weill has consulted widely with U.S. federal agencies, foreign government entities and in the private sector, on occupational and environmental pulmonary problems. From 1982-1985, he served as Chairman of the Pulmonary Disease Advisory Committee of the National Institutes of Health, and from 1986-1990 he was a member of the National Heart, Lung and Blood Advisory Council. He has also served as president of the American Thoracic Society (medical and scientific arm of the American Lung Association), on the certifying Subspecialty Board for Pulmonary Diseases, and on the Board of Governors of the American Board of Internal Medicine. In recent years, he served as a consultant to the United Nations Compensation Commission (UNCC) in Geneva on matters dealing with potential lung injury to those exposed to the smoke from the 1991 burning oil fires in Kuwait. He was also a consultant and participated in hearings for the U.S. Army and Veterans Administration regarding the possible health risk of asbestos exposures in helicopter repair facilities and in the course of building maintenance activities, in regard to whether such exposures constituted a hazard requiring the payment of Environmental Differential Pay (EDP) by the government.

In 1983-1984 he was a Fellow in Science and Public Policy at the Brookings Institution, in Washington, D.C., where his project dealt with an analysis of the use of scientific data in asbestos-associated diseases in the formulation of public policy.

CURRICULUM VITAE (Updated May, 2004)

PERSONAL

Date of Birth: August 31, 1933
Social Security Number: 265-42-8090
Office Address: 755 Hearthstone Drive or 10 Falcon Drive
Basalt, CO 81621 Mandeville, La 70471
Telephone: (970) 927-9321 (985) 624-5458
Fax: (206) 238-6383
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EDUCATION

Tulane University, 1951-1954 (B.S., June, 1955)
Tulane University School of Medicine, 1954-1958 (M.D., June, 1958)

POSTGRADUATE MEDICAL TRAINING

Intern, Mount Sinai Hospital, New York, New York, 1958-1959
Resident, Charity Hospital of Louisiana, Tulane Medical Unit, New Orleans, Louisiana, 1959-1960
NIH Research Fellow, Department of Medicine and Pulmonary Laboratory, Tulane University School of Medicine, New Orleans, Louisiana, 1960-1961
Chief Resident, Charity Hospital of Louisiana, Tulane Medical Unit, New Orleans, Louisiana, 1961-1962

TEACHING AND RESEARCH APPOINTMENTS

Instructor in Medicine, Pulmonary Diseases Section and Pulmonary Laboratory, Tulane University School of Medicine, 1962-1964
Assistant Professor of Medicine, Tulane University School of Medicine, 1964-1967
Associate Professor of Medicine, Tulane University School of Medicine, 1967-1971
Professor of Medicine, Tulane University School of Medicine, 1971-present
Director, Specialized Center of Research (SCOR), Occupational and Immunologic Lung Diseases, National Heart, Lung and Blood Institute, 1972-1992
Chief, Pulmonary Diseases Section, Tulane Medical Center, 1980-1991
Fellow in Science and Public Policy, Brookings Institution, Washington, D.C., 1983-1984

TEACHING AND RESEARCH APPOINTMENTS (cont'd)

Schlieder Foundation Professor of Pulmonary Medicine, Tulane School of Medicine, 1985-97
Director, Center for Bioenvironmental Research, Tulane University, 1989-1993
Chief, Section of Environmental Medicine, Tulane Medical Center, 1993-96
Principal Investigator, Superfund Basic Research Program, (*Petrochemical Wastes: Risks and Remediation*), National Institute of Environmental Health Sciences (NIEHS), 1992-1996
Professor Emeritus, Tulane University School of Medicine, 1997-present

HOSPITAL APPOINTMENTS

Consultant in Pulmonary Diseases, Touro Infirmary, New Orleans, Louisiana, 1962-96
Senior Visiting Physician, Charity Hospital of Louisiana, Tulane Unit, New Orleans, 1974-1995
Active Staff, Tulane Medical Center Hospital, New Orleans, Louisiana, 1976-1997; Consulting Staff, 1997-present

BOARD CERTIFICATION

Diplomate, American Board of Internal Medicine, 1965
Certified in Pulmonary Diseases, American Board of Internal Medicine, 1966

BOARD MEMBERSHIP

Member, Subspecialty Board on Pulmonary Diseases, American Board of Internal Medicine, 1980-1986
Member, Board of Governors, American Board of Internal Medicine, 1985-1988

MEDICAL LICENSURE

Louisiana, 1958
Florida, 1958

HONORS AND SOCIETIES

Phi Beta Kappa, 1954

Alpha Omega Alpha, 1958

American Academy of Allergy
Fellow, 1978

HONORS AND SOCIETIES (cont'd)

American College of Chest Physicians, 1965
Governor for Louisiana, 1970-1975

American College of Physicians, *Fellow, 1967*

American Federation of Clinical Research, 1967

American Heart Association
Task Force on Environment and the Cardiovascular System, 1978

American Lung Association
Tuberculosis and Respiratory Disease Program Committee, 1973-1975
Board of Directors, 1975-1978
Task Force on Prevention of Occupational Lung Diseases, 1980
Governmental Relations Committee, 1983

American Thoracic Society, 1962
Councilor at Large, 1973
Planning Committee, Occupational Lung Diseases Postgraduate Course, Annual Meeting, 1973
President-elect, 1975
Federal Lung Programs Committee, 1976, 1983, 1988-90
President, 1976
Long-Range Planning Committee, Scientific Assembly on Environmental and Occupational Health, 1978
Chairman, Committee to prepare ATS position for Congress on Black Lung Legislation, 1981
Chairman, Committee to prepare ATS position and provide testimony for Congress on Compensation of Asbestos-Associated Diseases, 1983
Chairman, Committee on Health Effects of Tremolite, 1989
Member, Task Force on Future Directions for Research on Diseases of the Lung, 1994

British Thoracic Society, 1983-present

International Epidemiologic Association, 1973

International Labour Office (ILO)
Member, National Organizing Committee, VIIIth International Pneumoconioses Conference, 1988

Musser-Burch Society
President, 1987

HONORS AND SOCIETIES (cont'd)

New Orleans Academy of Internal Medicine
Secretary-Treasurer, 1973-1975

New York Academy of Sciences, 1971

Phi Beta Kappa, 1955

Royal Society of Medicine
Fellow, 1971

Southern Society for Clinical Investigation, 1969

Thoracic Society (U.K.), 1977-1982

EDITORIAL ASSIGNMENTS

American Review of Respiratory Disease
Editorial Board, 1980-1985

Chest
Guest Editor, Byssinosis Conference Supplement, 1981
Department Editor, Occupational and Environmental Lung Disease, 1984-1992
Editorial Board, 1986-1993

Respiratory Diseases Digest
Editor, 1981-1991

CONSULTANT ASSIGNMENTS

House and Senate Subcommittees
Testimony regarding occupational lung disease on several occasions

National Academy of Sciences
Member, Committee on Byssinosis of the National Research Council, 1980

National Health and Welfare (Canada)
Member, Committee of Experts on Asbestos, March, 1984

CONSULTANT ASSIGNMENTS (cont'd)

National Institute for Occupational Safety and Health (NIOSH)

Review Consultant on Criteria Documents

TDI, 1973

Phosgene, 1975

Fibrous Glass, 1976

Task Force on Occupational Respiratory Diseases, 1975

Task Force on Pathology Standards for Asbestos-Associated Diseases, 1980

National Institutes of Health (NIH)

Member, Task Force on Environmental Lung Diseases; National Heart, Lung and Blood Institute, 1972

Ad Hoc Site Visit, Toxicology Study Section, National Institutes of Health, 1974 and 1975

Task Force on Occupational Lung Diseases, National Institute of Allergy and Infectious Diseases (NIAID), 1977

Consultant, National Heart, Lung and Blood Institute; Vermont Lung Center, 1977

Task Force on Epidemiology of Respiratory Diseases; National Heart, Lung and Blood Institute, 1978

Special Study Section, National Institutes of Health, 1978

National Institute of Allergy and Infectious Diseases (NIAID)

Chairman, Site Visit Committee, Cincinnati, 1979

Consultant, National Advisory Environmental Health Sciences Council, 1979

Pulmonary Disease Advisory Committee (PDAC), Division of Lung Diseases,

National Heart, Lung and Blood Institute, 1981; Chairman, 1982-1985

Ad Hoc Member, Epidemiology Study Section, National Institutes of Health, 1981

Special Study Section, National Institute of Environmental Health Sciences, 1982, 1983

Member, National Heart, Lung and Blood Advisory Council (NHLBAC); National Institutes of Health, 1986-1990

Member, Research Subcommittee, NHLBAC, 1986-1989

National Heart, Lung and Blood Institute (NHLBI) Representative, Advisory Committee to the Director of the National Institutes of Health, 1988-1990

Member, Working Group on Program, NHLBAC, 1989-1990

Chairman, Specialized Center of Research (SCOR) Review Parent Committee, National Heart, Lung and Blood Institute (NHLBI), 1996

CONSULTANT ASSIGNMENTS (cont'd)

Occupational Safety and Health Administration (OSHA), Department of Labor

Consultant and testimony in public hearing as OSHA witness, 1976 Cotton Dust Standard

Witness, public hearings on the occupational standard for cotton dust exposure, September, 1983

Consultant on the proposed new occupational standard for asbestos exposure (promulgated in 1986),

1983-1984; witness at the public hearings on the proposed rule, June, 1984

Royal Commission on Asbestos

Consultant and Witness, Report of the Royal Commission on Matters of Health and Safety Arising from the Use of Asbestos in Ontario, 1984

State of Virginia, Fairfax County Health Department

Member, Fairfax Terminal Petroleum Plume Health Advisory Panel, 1995-96

U.S. Environmental Protection Agency

Member, Search Panel for Director, Human Studies Division, 1980

Member, Task Force on TDI, 1988

External Peer Reviewer, Ambient Levels and Noncancer Health Effects of Inhaled Crystalline and Amorphous Silica, 1994

University of Oregon Health Sciences Center

Member, National Advisory Committee, Biological Effects of Volcanic Ash Study Center, 1980

TULANE UNIVERSITY COMMITTEES

Curriculum Committee, 1968-1972

Executive Committee, Department of Medicine, 1983

Faculty Advisory Committee, 1973-1975

Health Sciences Bioenvironmental Research Institute (HSBRI)

Planning and Program Committee (Chairman), 1989-1991

Ad Hoc Building Committee, 1989-1991

Personnel and Honors Committee, 1977-1983

TULANE UNIVERSITY COMMITTEES (cont'd)

Search Committees:

- Dean, School of Medicine, 1987*
- Departmental Chair, Anatomy, 1973*
- Departmental Chair, Microbiology and Immunology, 1975*
- Departmental Chair, Surgery, 1976*
- Departmental Chair, Orthopedics (Chairman), 1978*
- Departmental Chair, Anesthesia, 1980*
- Departmental Chair, Environmental Health Sciences (Chairman), 1992*
- Freeport-McMoRan Chair for Environmental Policy, 1992*

University Senate, 1969-1971

PUBLICATIONS (NOT INCLUDING ABSTRACTS OR PRESENTATIONS)

1. Ziskind MM, Weill H, O'Shaughnessey WJ. Chronic bronchitis? Pulmonary emphysema? Arch Intern Med 1961; 108:335-337.
2. Weill H, Ziskind MM. Unusual patterns produced by blood within the lungs. Bul Tul Med Fac 1962; 31:95-102.
3. Brown M, Buechner HA, Ziskind MM, Weill H. Septicemic (pyemic) abscesses of the lung. In: Proceedings of the 22nd Research Conference in Pulmonary Diseases. VA-Armed Forces, 1963.
4. Ziskind MM, Weill H, Miranda J. Current concepts of therapy in chronic bronchitis and pulmonary emphysema. Bul Acad Med New Jersey 1963; 9:218-227.
5. Ziskind MM, Weill H, Payzant A. The recognition and significance of acinus-filling processes of the lungs. Am Rev Respir Dis 1963; 87:551-559.
6. Buechner HA, Aucoin E, Vignes AJ, Weill H. The resurgence of bagassosis in Louisiana. J Occup Med 1964; 6:473.
7. Weill H, Ferrans V, Gay RM, Ziskind MM. Early lipoid pneumonia: radiologic, anatomic and physiologic characteristics. Am J Med 1964; 36:370-376.
8. Weill H, Ziskind MM, Derbes V, Lewis R, Horton R, McCaldin R. Further observations on New Orleans asthma. Arch Environ Health 1964; 8:184.
9. Weill H, Ziskind MM, Dickerson RC, Derbes VJ. Epidemic asthma in New Orleans. JAMA 1964; 190:811-814.
10. Ziskind MM, Weill H, Buechner HA, Brown M. The recognition of distinctive radiologic patterns in diffuse pulmonary disease. Arch Intern Med 1964; 114:108-112.
11. Herbert SJ, Weill H, Stuckey WJ, Uner C, Gonzalez E, Ziskind M. Pulmonary diffusing capacity in polycythemic states before and after phlebotomy. Dis Chest 1965; 48:408-414.
12. Weill H, Ziskind MM, Dickerson RC, Derbes VJ. Allergenic air pollutants in New Orleans. J Air Pol Control Assn 1965; 15:467-471.
13. Weill H, Ziskind MM, Dickerson RC, Derbes VJ. Recent developments in New Orleans asthma. Arch Environ Health 1965; 10:148-151.

PUBLICATIONS (cont'd)

14. Ziskind MM, Weill H, George RB. Acute pulmonary edema following the treatment of spontaneous pneumothorax with excessive negative intrapleural pressure. *Am Rev Respir Dis* 1965; 92:632-636.
15. Weill H, Adriani J. The respiratory care unit. *J La St Med Soc* 1966; 118:466-472.
16. Weill H, Buechner HA, Gonzalez E, Herbert SJ, Aucoin E, Ziskind MM. Bagassosis: a study of pulmonary function in 20 cases. *Ann Intern Med* 1966; 64:737-747.
17. George RB, Weill H, Rash JR, Mogabgab WJ, Ziskind MM. Roentgenographic appearance of viral and mycoplasmal pneumonia. *Am Rev Respir Dis* 1967; 96:1144-1150.
18. Ziskind MM, George RB, Weill H. Acute localized and diffuse alveolar pneumonias. *Seminars in Roentgenology* 1967; 2:49-60.
19. Ziskind M, Weill H, George RB. Diffuse pulmonary diseases. *Am J Med Sci* 1967; 254:95-117.
20. Foreman S, Weill H, Duke R, George R, Ziskind MM. Bullous disease of the lung: physiologic improvement following surgery. *Ann Intern Med* 1968; 69:757-767.
21. Gonzalez E, Weill H, Ziskind M, George RB. Value of the single breath diffusing capacity in separating chronic bronchitis from pulmonary emphysema. *Dis Chest* 1969; 53:229-236.
22. Waddell L, Schwarz M, Dombeck D, Weill H, Ziskind MM. Prolonged survival in lymphangitic carcinomatosis. *Ann Intern Med* 1969; 71:779-783.
23. Weill H, George R, Schwarz M, Ziskind MM. Late evaluation of pulmonary function after acute exposure to chlorine gas. *Am Rev Respir Dis* 1969; 99:374-379.
24. Weill H. Coal workers' pneumoconiosis: medical research needs. *J Occup Med* 1970; 12:511-514.
25. Weill H, George R, Munsokul N, Ziskind MM, Buechner H. Management of acute respiratory failure in chronic obstructive pulmonary disease. *So Med J* 1970; 63:90-95.

PUBLICATIONS (cont'd)

26. Ziskind M, Schwarz M, George R, Weill H, Shames J, Herbert S, Ichinose H. Incomplete consolidation in pneumococcal lobar pneumonia complicating pulmonary emphysema. *Ann Intern Med* 1970; 72:835-839.
27. Ziskind MM, Weill H. Pulmonary hypersensitivity reactions. *Clin Notes on Respir Dis* 1970; 9:3.
28. George R, Weill H. Fluorodensimetry: a method for analyzing regional ventilation and diaphragm function. *JAMA* 1971; 217:171-176.
29. George RB, Weill H, Tahir AH. Fluorodensimetric evaluation of regional ventilation in chronic obstructive pulmonary disease. *So Reg Med J* 1971; 64:1161-1164.
30. Weill H, Waddell LC, Ziskind MM. A study of workers exposed to detergent enzymes. *JAMA* 1971; 217:425-433.
31. Tahir AH, George RB, Weill H, Adriani J. Effects of abdominal surgery upon diaphragmatic function and regional ventilation. *International Surgery* 1973; 58:337-340.
32. Weill H. Pulmonary function testing in industry. *J Occup Med* 1973; 15:693-696.
33. Weill H, Waggenspack C, DeRouen T, Ziskind MM. Respiratory reactions to *B. subtilis* enzymes in detergents. *J Occup Med* 1973; 15:267-271.
34. Weill H, Waggenspack C, Rossiter C, Bailey W, Ziskind M. Radiographic and physiologic patterns among workers engaged in the manufacture of asbestos cement products: a preliminary report. *J Occup Med* 1973; 15:248-252.
35. Allen GC, Samimi B, Ziskind MM, Weill H. X-ray diffraction determination of alpha quartz in respirable and total dust samples from sandblasting operations. *Am Industr Hyg Assoc J* 1974; 35:711-717.
36. Bailey WC, Brown M, Buechner HA, Weill H, Ichinose H, Ziskind MM. Silico-mycobacterial disease in sandblasters. *Am Rev Respir Dis* 1974; 110:115-125.
37. Bailey WC, Weill H, DeRouen TA, Ziskind MM, Jackson HA, Greenberg HB. The effect of isoniazid on transaminase levels. *Ann Intern Med* 1974; 81:200-202.

PUBLICATIONS (cont'd)

38. Enterline PE, Weill H. Asbestosis in asbestos cement workers. In: Proceedings of International Conference on the Biologic Effects of Asbestos. IARC, WHO, 1974, pp. 179-185.
39. Glindmeyer HW, Weill H, Jones RN, Ziskind MM. Design and operation of a mobile pulmonary function laboratory. *J Occup Med* 1974; 16:584-588.
40. Rossiter C, Weill H. Ethnic differences in lung function. *Intern J Epid* 1974; 3:55-61.
41. Rossiter CE, Weill H. Synergism between dust exposure and smoking: an artifact in the statistical analysis of lung function? *Bul Physio-Pathologie Respiratorie* 1974; 10:717-725.
42. Samimi B, Weill H, Ziskind MM. Respirable silica dust exposure of sandblasters and associated workers in steel fabrication yards. *Arch Environ Health* 1974; 29:61-66.
43. Weill H. Evaluation of agents by new pulmonary function tests. In: Principles and Techniques of Human Research and Therapeutics. Volume 9. New York: Futura Publishing Company, 1974, pp. 103-112.
44. Weill H, Waggenspack C, DeRouen T, Ziskind MM. Follow-up observations of workers exposed to enzyme detergents. *Ann NY Acad Sci* 1974; 221:76-85.
45. Ziskind MM, Weill H, Ellithorpe DB. The relationship of lung diseases to air pollutants and noxious gases. In: Baum GL (ed), *Textbook of Pulmonary Diseases*. 2nd Edition. Boston: Little, Brown and Company, 1974.
46. George RB, Herbert SJ, Shames JM, Ellithorpe DB, Weill H, Ziskind MM. Pneumothorax complicating pulmonary emphysema. *JAMA* 1975; 234:389-393.
47. Jones RN, Weill H, Ziskind MM. Pulmonary function in sandblasters' silicosis. *Bull Physio-Path Resp* 1975; 11:589-595.
48. Samimi B, Neilson A, Weill H, Ziskind MM. The efficiency of protective hoods used by sandblasters to reduce silica dust exposure. *Am Industr Hyg Assoc J* 1975; 36:140-148.
49. Weill H. Editorial: Epidemiologic methods in the investigation of occupational lung disease. *Am Rev Respir Dis* 1975; 112:1-6.

PUBLICATIONS (cont'd)

50. Weill H. Editorial: Workshop on the chest x-ray as an epidemiologic tool. *Chest* 1975; 68:131-132.
51. Weill H. Occupational asthma. In: Stein M (ed), *New Directions in Asthma. Proceedings of an International Symposium on Asthma. American College of Chest Physicians, 1975*, pp. 325-338.
52. Weill H, Jones RN (eds). Report of the workshop on the chest roentgenogram as an epidemiologic tool. *Arch Environ Health* 1975; 30:435-439.
53. Weill H, Rossiter C, Ziskind M, Waggenspack C. Lung function consequences of dust exposure in asbestos cement manufacturing plants. *Arch Environ Health* 1975; 30:88-97.
54. Weill H, Salvaggio JE, Neilson A, Butcher BT, Ziskind MM. Respiratory effects in toluene diisocyanate manufacture. A multidisciplinary approach. *Environ Health Perspect* 1975; 11:101-108.
55. Weill H, Williams TB, Burk RH. Laboratory and clinical evaluation of a new volume ventilator. *Chest* 1975; 67:14-19.
56. Butcher BT, Salvaggio JE, Weill H, Ziskind MM. Toluene diisocyanate (TDI) pulmonary disease. Immunologic and inhalation challenge studies. *J Allergy Clin Immunol* 1976; 58:89-100.
57. Jones RN, Turner-Warwick M, Ziskind M, Weill H. High prevalence of antinuclear antibodies in sandblasters' silicosis. *Am Rev Respir Dis* 1976; 113:393-395.
58. Samimi B, Weill H, Ziskind M. Respirable silica dust exposure of sandblasters and associated workers in steel fabrication yards. *Arch Environ Health* 1976; 29:61-66.
59. Weill H. Silicosis - method of Hans Weill, M.D. In: Conn (ed), *Current Therapy* 1976, pp. 146-147.
60. Weill H, Diem JE, Glindmeyer HW, Waggenspack C. Longitudinal studies of workers exposed to detergent enzyme dust in four U.S. plants. In: *Proceedings of Symposium on Biological Effects of Proteolytic Enzyme Detergents. Penarth, Wales, U.K., 1976*.
61. Ziskind M, Jones RN, Weill H. State of the art: silicosis. *Am Rev Respir Dis* 1976; 113:643-665.

PUBLICATIONS (cont'd)

62. Ziskind MM, Weill H, Anderson AE, Samimi B, Neilson A, Waggenspack C. Silicosis in shipyard sandblasters. *Environ Res* 1976; 11:237-243.
63. Butcher BT, Jones RN, O'Neil C, Glindmeyer HW, Diem JE, Dharmarajan V, Weill H, Salvaggio JE. Longitudinal study of workers employed in the manufacture of toluene-diisocyanate. *Am Rev Respir Dis* 1977; 116:411-421.
64. Butcher BT, O'Neil C, Weill H, Garg O, Salvaggio JE. Toluene diisocyanate (TDI) pulmonary disease: immunopharmacologic and mecholy challenge studies. *J Allergy Clin Immunol* 1977; 59:223-227.
65. Jones RN, Carr J, Glindmeyer H, Diem J, Weill H. Respiratory health and dust levels in cottonseed mills. *Thorax* 1977; 32:281-286.
66. Turner-Warwick M, Cole P, Weill H, Jones RN, Ziskind M. Chemical fibrosis: the model of silica. *Ann Rheum Dis* 1977; 36:47-50.
67. Weill H, Diem JE. Relationships between cigarette smoking and occupational pulmonary disease. In: *Proceedings of the International Symposium on Grain Dust and Health*. Saskatoon: Academic Press, 1977.
68. Weill H, Rossiter CE, Waggenspack C, Jones RN, Ziskind MM. Differences in lung effects resulting from chrysotile and crocidolite exposure. In: Walter WH (ed), *Proceedings of the Fourth International Symposium on Inhaled Particles and Vapors*. Oxford and New York: Pergamon Press, 1977, pp. 789-797.
69. Weill H, Sewell EM. In search of the pump handle (editorial). *Am Rev Respir Dis* 1977; 115:911-913.
70. Hughes JM, Waggenspack C, Weill H. Mortality study of workers engaged in manufacture of asbestos cement products. In: *Proceedings of National Meeting of American Lung Association/American Thoracic Society*, Boston, 1978.
71. Arai DT, Kotin P, Weill H, Werchick J. Clinical problems in asbestos-related diseases. In: Preger L (ed), *Asbestos-Related Diseases*. New York: Gruen and Stratton, 1978, pp. 1-28.
72. Dharmarajan V, Weill H. Physical state of airborne p,p' diphenylmethane diisocyanate (MDI) and its measurement. *Am Industr Hyg Assoc J* 1978; 39:737-744.

PUBLICATIONS (cont'd)

73. Dharmarajan V, Weill H, Self CW. Environmental characterization of toluene diisocyanate (TDI) in a manufacturing plant. *Am Industr Hyg Assoc J* 1978; 39:414-418.
74. Diem JE, Jones RN, Gilson JC, Glindmeyer HW, Weill H. The influence of asbestos exposure on radiographic progression and functional decline. In: *Proceedings of Fifth International Conference on Pneumoconioses*. Caracas, Venezuela, 1978.
75. Glindmeyer HW, Anderson ST, Diem JE, Weill H. A comparison of the Jones and Stead-Wells spirometers. *Chest* 1978; 73:596-602.
76. Jones RN, Weill H. Occupational lung disease. *Basics of RD*, American Thoracic Society, 1978; 6(3):1-6.
77. Lehrer SB, Turer E, Weill H, Salvaggio J. Elimination of bagassosis in Louisiana paper manufacturing plant workers. *Clin Allergy* 1978; 8:15-20.
78. Samimi B, Mason JW, Ziskind MM, Weill H. The consistency of the gravimetric and impinger methods in evaluating hazardous dusty conditions. *Am Industr Hyg Assoc J* 1978; 39:817-820.
79. Samimi B, Ziskind MM, Weill H. The relation of silica dust to accelerated silicosis. *J Ecotox Environ Safety* 1978; 1:429-436.
80. Butcher BT, Karr RM, O'Neil CE, Wilson MR, Dharmarajan V, Salvaggio JE, Weill H. Inhalation challenge and pharmacologic studies of toluene diisocyanate (TDI)-sensitive workers. *J Allergy Clin Immunol* 1979; 64:146-152.
81. Butcher BT, Lehrer SB, O'Neil CE, Hughes JM, Salvaggio JE, Weill H. Skin testing and RAST in workers engaged in cottonseed processing. *J Allergy Clin Immunol* 1979; 63(3):213.
82. Doll NJ, Wilson MR, Alspaugh M, Weill H, Salvaggio JE. Autoantibodies in silicosis and asbestosis. *J Allergy Clin Immunol* 1979; 1:16-17.
83. Hammad YY, Diem JE, Weill H. Evaluation of dust exposure in asbestos cement manufacturing operations. *Am Industr Hyg Assoc J* 1979; 40:490-495.
84. Hammad YY, Gaumer R, Weill H. Animal inhalation exposure system for use with asbestos. In: *Proceedings of International Conference on Occupational Lung Diseases*, San Francisco, California, 1979.

PUBLICATIONS (cont'd)

85. Jones RN, Diem JE, Glindmeyer HW, Dharmarajan V, Hammad YY, Carr J, Weill H. Confounding of dust dosage and other variables influencing biologic responses to cotton dust. In: Proceedings of International Conference on Occupational Lung Diseases, San Francisco, California, 1979.
86. Jones RN, Diem JE, Glindmeyer H, Dharmarajan V, Hammad YY, Carr J, Weill H. Mill effect and dose-response relationships in byssinosis. *Br J Industr Med* 1979; 36:303-313.
87. Weill H. Epidemiologic and medical-legal aspects of occupational asthma. *J Allergy Clin Immunol* 1979; 64(6), Part 2:662-664.
88. Weill H. Respiratory health effects of isocyanates. In: Occupational Safety and Health Symposia. National Institute for Occupational Safety and Health, 1979.
89. Weill H. Small plants and their medical problems - the furniture industry. Respiratory health effects of isocyanates. In: Occupational Safety and Health Symposia, 1979. U.S. Department of Health and Human Services, National Institute for Occupational Safety and Health (DHHS [NIOSH] Publication Number 80-139).
90. Weill H, Hughes J, Waggenpack C. Influence of dose and fiber type on respiratory malignancy risk in asbestos-cement manufacturing. *Am Rev Respir Dis* 1979; 119:345-354.
91. Hammad YY, Weill H. Evaluation of performance of a beta absorption dust monitor. *Am Industr Hyg Assoc J* 1980; 31:501-507.
92. Hughes JM, Weill H. Lung cancer risk associated with manufacture of asbestos cement products. In: Wagner JC (ed), *Biological Effects of Mineral Fibers. Volume 2, Number 30.* Lyon: IARC Scientific Publications, 1980, pp. 627-635.
93. Jones RN, Butcher BT, Hammad YY, Diem JE, Glindmeyer HW, Lehrer SB, Hughes JM, Weill H. Interaction of atopy and exposure to cotton dust in the bronchoconstrictor response. *Br J Industr Med* 1980; 37:141-146.
94. Jones RN, Diem JE, Gilson JC, Glindmeyer HW, Weill H. Progression of asbestos radiographic abnormalities: relationships to measure of dust exposure and annual decline in lung function. In: Wagner JC (ed), *Biological Effects of Mineral Fibers. Volume 2, Number 30.* Lyon: IARC Scientific Publications, 1980, pp. 537-543.
95. Weill H. Basis for clinical decision making. *Chest* 1980; 78S:382S-383S.

PUBLICATIONS (cont'd)

96. Weill H. Human pulmonary function study (5 years) on occupational isocyanate exposure. In: Levin A, Pillsbury H (eds), Proceedings of the National Workshop on Substitutes for Asbestos; Arlington, Virginia, July 14-16, 1980. Washington, D.C.: Environmental Protection Agency, Office of Pesticides and Toxic Substances, 1980, pp. 647-652.
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