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July 8, 1994

Mr. Hans R. Siegel
Exxon Company, U.S.A.
Health Services Department
Suite 3171
Houston, Texas 77002-7426

Dear Mr. Siegel:

You have asked that I memorialize for your information and records an account of the policies and programs implemented by Exxon and its predecessor companies with regard to the use of asbestos in our operations and facilities. My knowledge of what follows is based upon my tenure of service with Exxon from 1951 through my retirement from the Company in 1973, when I took the position of Medical Director at the American Petroleum Institute to pursue my interest in research. Exxon had no confirmed cases of asbestos-related occupational disease, to my knowledge.

I first came to Exxon (in Baton Rouge) in 1951 for a short-term project involving cardiac refinery workers. When a change in my military obligations permitted me to stay on, Exxon hired me full-time as an Assistant Medical Director in the Baton Rouge Refinery Medical Department, which at that time was headed by Dr. Howard Hanson. During my subsequent tenure with Exxon I held a number of positions in the Medical Department, including Medical Director at Baton Rouge Refinery, Medical Coordinator of the Manufacturing Division, Medical Director at Bayway (temporary position), Medical Director of Enjay Chemical Company, and Associate Medical Director at our Houston Headquarters (see attached curriculum vitae for more detail). In these positions I had occupational and environmental health responsibilities for petroleum refining and petrochemical manufacturing; additionally I had responsibility for coal, minerals, oil shale, and uranium.

I had learned in medical school about the hazards of dust exposure (including asbestos dust) leading to pneumoconiosis. (As an aside, by the mid-to-late 1950's and through the 1960's my own Occupational Medicine lectures at Tulane included lectures on pneumoconiosis, including asbestosis.) Shortly after I was hired full-time I became aware that the Refinery implemented a two-pronged approach to safeguarding workers from asbestos disease. Potential exposures to hazardous levels and durations of exposure to asbestos dust were controlled in the field through various engineering, safety, and industrial hygiene measures. These included wetting down asbestos insulation (with water mixed with detergent) before removal, avoiding working downwind from or beneath asbestos insulation removal jobs, wearing respiratory protection where potentially hazardous levels of exposure might be encountered, and the use of tools and safety measures chosen to generate the least dust possible, together with good clean-up procedures afterwards.

For its part, the Medical Department monitored employees for any suspicious lung changes indicative of exposure to asbestos (and other dusts and substances). This was accomplished by taking a baseline physical examination, including a battery of x-rays, at the commencement of employment, against which we compared subsequent annual (or more frequent) "check-up" x-rays. Although I was a certified B-reader, Exxon always retained the services of an outside consulting certified radiologist to also read, review and interpret x-rays. The Medical Department at Baton Rouge Refinery also had a Collins spirometer (pulmonary function test), a ballistocardiograph, the current technology in x-ray machines and film, and allotted time on the first IBM mainframe used outside government or defense industries. In sum, the Medical Department had the support of the Management Committee (of which I was a member) to obtain not only what was deemed necessary, but also innovative and even experimental technology that was far ahead of its time.

Each worker's chart was also noted "Potentially Exposed to Asbestos" if his work duties had ever potentially exposed him to any significant asbestos-related activities. We in the Medical Department thereby knew which workers to particularly watch for any suspicious lung changes - possibly attributable to asbestos. A worker's inclusion among the category of workers "Potentially Exposed to Asbestos" depended upon the frequency, intensity and duration of possible exposures as determined by first line supervisors, safety and industrial hygiene personnel, and on-site medical personnel. Earlier in my career those workers so designated would have mostly been current or former insulation craft workers; however, by the 1960's, with the advent of pre-formed insulation (which requires little or no cutting in the field) and the phasing out of asbestos-containing insulation, those working with asbestos were no longer exclusively insulation workers, but refinery mechanics who worked with asbestos much less frequently. Nevertheless, the designation of "Potentially Exposed to Asbestos" permanently remained on the medical file.

The two-pronged approach utilizing both industrial hygiene and medical monitoring proved successful. As early as 1960 Dr. John Thorpe (Associate Medical Director, Esso Standard Oil Co. based in New York City) and I prepared a paper for an International Symposium in New York City, which Dr. Thorpe presented, wherein we reported that our epidemiological survey conducted of roughly 23,000 workers (including many refinery workers) to search for chronic respiratory disease had disclosed no pneumoconiosis, even among the "dusty trades" of masons, insulators, and welders, whose medical charts alerted us to their potential exposure to asbestos.

By 1964 I had been named Medical Coordinator of the Manufacturing Division (domestic operations) of the Company. In this capacity I visited, at least quarterly, all our United States facilities, including those located in Baton Rouge, Baytown, Bayway, Everette, Pittsburgh, Billings, Benecia, Charleston, and Baltimore, together with the Enjay Chemical Company manufacturing plants, including the Houston Chemical Plant on the ship channel, the facilities at Lake Zurich, Illinois and Odenton, Maryland, and the facility in South Carolina, and others. During my visits I would typically spend one full day with the on-site physicians and nurses reviewing any unusual or noteworthy cases or concerns, then spend a half or full day in the field with the industrial hygienist, and finally meet with the manager.

I found in my visits that the industrial hygiene measures described above were implemented across the Company at every facility. I found no asbestos-related occupational disease, and asbestos did not appear to be a problem at any of our facilities. In this connection I should add that during my earlier years while at Baton Rouge my interest in respiratory irritants (I am also a certified allergist) led me to undertake weekly pollen counts by reviewing slides strategically placed about the Refinery. I had seen asbestos fibers on slides made for comparison purposes by our on-site industrial hygienist, Mr. Fred S. Venable, but I do not recall ever seeing asbestos fiber on my pollen count slides.

To my knowledge, we never received any information regarding potential health hazards of asbestos from the asbestos insulation manufacturers. Those manufacturers did supply engineering specifications, but no instructions or warnings as to potential hazards of asbestos. The only contact I myself ever had with a manufacturer of asbestos was to request that future shipments of asbestos in bulk bags be sent in a packaging more substantial than paper bags (which could tear open, thereby releasing dust). Thereafter, we did receive such asbestos in a plasticized bag that did not rip and tear so easily.

I did attend the International Symposium on Asbestos at the Waldorf Astoria in New York City in 1964, hosted by Dr. Selikoff, whose studies of insulators suggested a link between asbestos and cancer. Although Dr. Selikoff's studies were not generally regarded within the medical community as conclusive at that time, I came away from that Symposium increasingly concerned about the hazards of asbestos. By about 1967, as more studies, anecdotal case reports, and information appeared in the medical literature, I recommended to management that the Company find substitutes for asbestos insulation products where mechanically feasible, and I believe management heeded this advice.

In sum, I can state without qualification my belief that the Company took every reasonable action to safeguard workers from the known risks of asbestos hazards, based on the knowledge and technology available at any given point in time. Looking back on the programs implemented, I firmly believe that we did all we could at any given time to protect our workers' health.

I hope that the above is responsive to your inquiry. I would, of course, be happy to elaborate if you wish to discuss further. As a suggestion, you might also contact Mr. James W. Hammond, who was our Chief Industrial Hygienist, who, with the support of Dr. Valiant C. Baird, Corporate Medical Director of Humble, and later Exxon Co. U.S.A., implemented programs to control potential asbestos exposures through industrial hygiene measures in the field. For information specific to Baton Rouge after my tenure there, I would refer you to Dr. John Lione, who assumed my responsibilities as Medical Director there when I moved on to Houston.

Neill K. Weaver

Neill K. Weaver, M. D.
2327 N. Powhatan Street
Arlington, Virginia 22205

NEILL KENDALL WEAVER, M.D.

Date of Birth: October 3, 1919
Place of Birth: Tariff, WV
Citizenship: U.S.A.
Social Security No.: 437-46-3483

EDUCATION AND PROFESSIONAL TRAINING

1937-1941 Oberlin College, A.B.
1941-1944 Harvard Medical School, M.D.
1944-1945 Internship (Rotating), Allegheny General Hospital,
University of Pittsburgh, School of Medicine,
Pittsburgh, PA
1947-1949 Residency in Internal Medicine, Jefferson-Hillman
Hospital, The Medical College of Alabama,
Birmingham, AL
1949-1951 Fellowship in Cardiology (National Institutes of
Health/National Heart Institute) Tulane
University School of Medicine, New Orleans, LA

ACADEMIC APPOINTMENTS

Tulane University School of Medicine, Department of Medicine

1949 Assistant in Medicine
1950 Instructor in Medicine
1956 Assistant Professor of Clinical Medicine
1958 Associate Professor of Clinical Medicine
1963 Head, Clinical Industrial Medicine Unit
1965... Clinical Professor of Medicine

Charity Hospital of Louisiana at New Orleans

1949-1951 Teaching Fellow
1951-1958 Assistant (Medicine)
1958-1964 Visiting Physician (Tulane Medicine)
1965... Senior Visiting Physician (Tulane Medicine)

Tulane University School of Public Health and Tropical
Medicine

1956 Assistant Professor of Industrial Medicine
(Public Health)
1958 Associate Professor of Industrial Medicine
1966 Professor of Industrial Medicine (Environmental
Medicine)

University of Texas School of Public Health (Houston)
Department of Occupational Medicine

1968 Clinical Associate Professor
1971... Adjunct Associate Professor

SPECIALTY BOARD CERTIFICATIONS

1952 American Board of Internal Medicine
1953 Subspecialty Board of Allergy
1959 American Board of Preventive Medicine
1959 Occupational Medicine
1973 American Board of Allergy and Immunology

HONORS AND AWARDS

Phi Beta Kappa, Oberlin College
Sigma Xi, Oberlin College
Scholarship (partial), Harvard Medical School
Certificate of Merit Award, Scientific Exhibit,
"Arteriosclerotic Hearts at Work," Annual Meeting American
Medical Association, Chicago, IL, 1956
Honorable Mention Award, Scientific Exhibit, "Acute Upper
Respiratory Illnesses in Industrial and Military Popula-
tions," American Medical Association, San Francisco, CA,
1964 (with Mogabgab, WJ)
Meritorious Service Award, American Petroleum Institute, 1972

LICENSURE FOR THE PRACTICE OF MEDICINE AND SURGERY

1945 Diplomate, National Board of Medical Examiners
1951 Louisiana State Board of Medical Examiners
(License No. 6592)
1965 Texas Board of Medical Examiners
(License No. D 2312)
1974 District of Columbia Commission on Licensure to
Practice the Healing Art
(License No. 3853)
1974 Virginia State Board of Medicine
(License No. 24792)

MILITARY SERVICE

1944-1947 First Lieutenant and Captain, Medical Corp.,
Army of the United States. Service predomi-
nantly at General Hospitals in the continental
United States included the following assign-
ments: Medical and Executive Officer, 1200
inmate German POW facility; Medical Officer
responsible for Internal Medicine,
Gastroenterology, Dermatology and
Neuropsychiatric Wards; Chief, Rehabilitation
Service, 800-bed General Hospital; Chief of
Medical and Neuropsychiatric Services,

2000-bed General Hospital Annex; Commanding Officer and Chief of Medicine and Neuropsychiatric Services, 1000-bed Convalescent Hospital.

PROFESSIONAL EMPLOYMENT

Esso, Standard Oil Company, Humble Oil & Refining Company and Exxon Company (USA)

- 1951 Consulting Cardiologist, Internist and Plant Physician, Baton Rouge Refinery
- 1956 Medical Director, Baton Rouge Refinery
- 1964 Medical Coordinator for the Manufacturing Division
- 1966 Assistant Medical Director, Headquarters Medical Department (Houston)
- 1969 Associate Medical Director, Headquarters Medical Department

Responsibility for occupational and environmental health programs for refining petrochemical manufacturing, minerals (including uranium mining and processing), coal (mining and liquifacation research) and oil shale development.

- 1973 Retired

American Petroleum Institute

- 1974 Medical Director and Director, Medicine and Biological Science Department

Departmental responsibilities included occupational and environmental medicine, epidemiology, toxicology, occupational hygiene, environmental sciences, quality assurance and support functions and implementation of multidisciplinary research programs with cumulative funding of more than 75 million dollars.

(75)

- 1986 Retired.

- 1987... Consultant in occupational and environmental medicine with particular reference to the potentially hazardous effects of hydrocarbons.

EDITORIAL POSITIONS

Member of editorial board and/or reviewer of manuscripts for scientific journals, including:

Medical Record and Annals
American Heart Journal

AMA Archives of Environmental Health
 AMA Archives of Internal Medicine
 Industrial Medicine and Surgery
 Journal of Occupational Medicine
 Journal of the American College of Toxicology
 American Industrial Hygiene Association Journal
 Journal of the American Medical Association
 Toxicology and Industrial Health

MEMBERSHIPS IN MEDICAL AND PROFESSIONAL SOCIETIES

Organized Medicine

1949 American Medical Association
 1949-1966 Louisiana State Medical Society
 1949-1951 Orleans Parish Medical Society
 1951-1966 East Baton Rouge Parish Medical Society
 Public Relations, Polio Immunization,
 Industrial and Program Committees
 1966-1973 Texas Medical Association
 1966-1973 Harris County (TX) Medical Association
 Committee on Air Pollution (1966-68)
 1974 Arlington County (VA) Medical Society

Internal Medicine

1954 American College of Physicians
 Fellow, 1959
 1949-1951 New Orleans Society of Internal Medicine
 1951-1966 Baton Rouge Academy of Internal Medicine
 1967-1972 Texas Academy of Internal Medicine
 1967-1972 Houston Society of Internal Medicine
 1967-1973 Houston Academy of Medicine
 1953 American Academy of Allergy

Occupational Medicine

1953 Industrial Medical Association
 Fellow, 1959
 Director, 1971-1973
 Cardiovascular Disease Committee,
 1959-1961

Merit-in-Authorship Award Committee,
1971-1972
Educational Activities and Annual
Scientific Program Committee,
1971-1974 (Chairman, 1971-1973)

1961-1966 Louisiana Industrial Medical Association
Founders' Group, 1961
Board of Directors, 1961-1965
Chairman, Constitution and By-Laws
Committee, 1961-1966
Membership Committee, 1961-1962
Nominating Committee, 1961
President Elect, 1962-1963
President, 1963-1964

1966-1973 Texas Industrial Medical Association

1968 American Academy of Occupational Medicine

1973 Ramazzini Society

1958 American Petroleum Institute
Technical Advisor to the Medical
Advisory Committee, 1958-1963
Carcinogenesis Subcommittee, 1960-1962
Subcommittee on Clinical Practices,
1966-1971
Long Range Planning Committee, Vice-
Chairman, 1972-1973
Advisory Committee on Environmental
Health, 1966-1967
Health and Biological Research
Committee, 1968-1973
Task Force on Fate and Effects of Oil
Panel on Experimental Exposure,
1971-1973
Engineering and Technical Research
Committee (Liaison Member, 1968-1971,
Executive Committee, 1969-1971)

Heart Associations

1955 American Heart Association
Scientific Exhibitor at the Annual
Meeting in New Orleans, 1955
Rehabilitation Committee, 1964-1969
Cardiac-in-Industry Committee, 1967-1970

1959-1966 Louisiana Heart Association
Board of Directors, 1959-1966
Rehabilitation Committee, 1960-1964
(Chairman, 1962-1964)

Subcommittee on Work Evaluation Units,
1959-1966

1964-1966 Baton Rouge Academy of Cardiology

1970 Texas Heart Association
Board of Directors, 1970-1973
Heart-in-Industry Committee, 1971-1973
(Chairman, 1972-1973)
Community Services Committee, 1972-1973
Scientific Program Committee, 1971-1972.

1970 Houston Heart Association
Secretary, 1972-1973
Board of Directors, 1970-1972
Industrial Education Committee, 1967-1970
Cardiac-in-Industry Committee, 1970-1973
Chairman, 1970-1971

Local Community and Civic Organizations (1960-1966)

1963-1964 Division of Alcoholism, Louisiana State
Department of Hospitals, Medical Advisor

1964-1966 Greater Baton Rouge Area Council on
Alcoholism
Founders' Group
Board of Directors

1959-1966 Baton Rouge Chamber of Commerce
Health & Hygiene Committee

1961-1962 Baton Rouge Study on Aging
Chairman, Task Force on Health and
Preventive Medicine

1964-1965 East Baton Rouge Parish Voluntary Council
on Aging
Board of Directors

1963-1966 Community Services Council of Baton Rouge
Board of Directors
Chairman, Mental Health Committee,
1963-1964

1963-1966 Baton Rouge Regional Mental Health Center,
Inc.
Board of Directors, 1963-1964
Vice President, 1965-1966

Research Societies

- 1954-1975 American Federation for Clinical Research
- 1966 American Association for the Advancement of
Science
- 1968-1978 Air Pollution Research Advisory Committee,
Coordinating Research Council
Chairman, Project Group on Synergistic
Effects in Certain Airborne Systems
(CAPM-6-68)
Chairman, Medical Advisory Group
(CAPM-1-68)

LISTING OF SELECTED PRESENTATIONS, CONSULTATIONS,
PARTICIPATION IN SEMINARS, ETC. (U.S. since 1970)

- 1971-1974 - Consultant, U.S. Environmental Protection Agency,
Environmental Toxicology Laboratory, Cincinnati, OH
- March, 1976 - National Institute for Occupational Safety and
Health. Criteria for recommended standard ... Occupational
Exposure to Isopropyl Alcohol, Rockville, MD
Member: Review Consultant Committee
- September 8, 1977 - Fifth International Conference on
Occupational Health in the Chemical Industry (MEDICHEM) San
Francisco, CA
Presentation: Medical and Biological Research Sponsored by
the American Petroleum Institute
- September, 1977 - National Institute for Occupational Safety
and Health. Criteria for a recommended standard ...
Occupational Exposure to Asphalt Fumes, Rockville, MD
Member: Review Consultant Committee
- October 17, 1977 - 65th National Safety Congress and
Exposition (Petroleum Section), Chicago, IL
Presentation: The Employee's Health in the Petroleum Industry
- November 10-11, 1977 - Science Advisory Board, Washington, DC
Presentation: Commentary on EPA Draft Air Quality Criteria
Document on Photochemical Oxidants
- January 3, 1978 - Consumer Product Safety Commission,
Washington, DC
Presentation: Commentary on Product Safety Research
- February 22, 1978 - Science Advisory Board, Washington, DC
Presentation: Commentary on Human Health Effects of Short-
term Exposure to Nitrogen Oxides
- April 6, 1978 - API Fire and Safety Department (Spring
Meeting) Cleveland, OH
Presentation: Occupational Injuries, Illnesses and Deaths
in the Petroleum Industry (A Preliminary Analysis)
- May 11, 1978 - American Industrial Hygiene Association, Annual
Meeting, Los Angeles, CA
Presentation: The U.S. Oil Shale Industry - A Health
Perspective
- July 9-14, 1978 - Engineering Foundation Conference, Franklin
Pierce College, Rindge, NH
Presentation: Examination of the Scientific Basis for
Government Regulations

- August 2-3, 1978 - Los Alamos Scientific Laboratory of the University of California, Los Alamos; Seminar: The Health and Environmental Effects of Oil Shale Development; Presentation: A Petroleum Industry Program to Evaluate the Health Risks of Oil Shale Materials and Operations
- September 13-15, 1978 - Los Alamos Scientific Laboratory of the University of California, Los Alamos, Sixth Life Sciences Symposium of the Health Division, The Impact of Energy Production on Human Health; Presentation: The Development and Communication of Health Information — Private Industry
- September 19-22, 1978 - Joint Conference on Occupational Health (American Academy of Occupational Medicine and the American Academy of Industrial Hygiene), Williamsburg, VA. Presentation: A Prospective Mortality, Morbidity and Tumor Registry Study in Petroleum Workers (with David Schottenfeld)
- June 1, 1979 - Harvard Medical Alumni Day, Boston, MA. Presentation: Adventures of an Adjunct
- June 30, 1979 - National Research Council Workshop on Diesel Health Effects, Woods Hole, MA. Presentation: Review of APRAC Research Projects Related to Diesel Emissions
- April 23, 1980 - American Occupational Health Conference, Detroit, MI. Presentation: The Development of Oil Shale as an Alternate Fossil Fuel — Occupational Health Considerations
- June 18, 1980 - National Toxicology Program Board of Scientific Counselors, Second Meeting of the Subcommittee on Chemical Nomination and Selection; Bethesda, MD. Presentation: Chemical Selection Criteria for Toxicology Testing Utilized by the American Petroleum Institute
- November 6-7, 1980 - The American College of Toxicology. Benzene Workshop, Washington, DC. Presentation: Occupational Exposure to Benzene in the Petroleum and Petrochemical Industries
- May 14, 1981 - API Refining Department, 46th Midyear Meeting, Chicago, IL; Chairman: Session on Occupational and Environmental Health; Presentation: Occupational Health Research for an Oil Shale Industry
- October 29-30, 1981 - State of Colorado Health Department and Colorado State University; Symposium: Oil Shale — The Environmental Challenge II, Glenwood Springs, CO. Presentation: Medical Aspects of Oil Shale Development

- November 9-13, 1981 - National Academy of Sciences/National Research Council/Committee for Petroleum in the Marine Environment update. Clearwater Beach, FL; International workshop participant.
Presentation: Human Health Implications of Petroleum in the Marine Environment.
- May 11, 1982 - API Symposium on the Toxicology of Hydrocarbons; Washington, DC
Presentation: Summary and Closing Remarks
- April 11, 1983 - American Conference of Governmental Industrial Hygienists, TLV Committee, Hydrocarbon Subcommittee; Cincinnati, OH
Presentation: Toxicity of Gasoline to Man -- Considerations for Review of Gasoline TLV
- November 3-4, 1983 - Collegium Ramazzini International Congress on Benzene, New York City, NY
Invited Participant.
- April 28-29, 1984 - Los Angeles, CA and
September 23-24, 1984 - Salt Lake City, UT; American Occupational Medical Association, Basic Curriculum.
Lecture: How to Buy Toxicological Research -- Negotiation with Contractors and Getting What You Need!
- May 23, 1984 - The Society for Automotive Engineers, Government/Industry Meeting and Exposition, Washington, DC
Presentation: Automotive Emissions and Health Effects Research (Panel Discussion: Automotive Emissions and Health Effects Research Needs)
- April 27, 1985 - Symposium on Occupational Health, First Membership and Scientific Meeting, American Center for Chinese Medical Sciences, Bethesda, MD
Presentation: The Carcinogenic Potential of Crude Petroleum and Its Derivatives with Particular Reference to Gasoline -- A Possible Renal Carcinogen
- October 7, 1986 - Michigan Industrial Hygiene Society, 13th Annual Occupational Health Conference, Detroit, MI
Presentation: Occupational Carcinogenesis -- Gasoline and Used Motor Oil as Potential Carcinogens

LISTING OF SELECTED PRESENTATIONS, CONSULTATIONS, PARTICIPATION
IN SEMINARS, ETC. (International, since 1970)

- May, June 1971 - International Labour Organization, Geneva.
Work Group on "Hazards Associated with Benzene Exposure in
the Workplace." Member, Employers' Group (Technical
Representative, U.S. Delegation)
- May, June 1973 - International Labour Organization, Geneva.
Work Group on "Hazards Associated with Exposure to
Carcinogens in the Workplace, I." Co-chairman, Employers'
Group (Technical Representative, U.S. Delegation)
- May, June 1974 - International Labour Organization, Geneva.
Work Group on Hazards Associated with Exposures to
Carcinogens in the Workplace, II." Chairman, Employers'
Group (Technical Representative, U.S. Delegation)
- June 1974 - World Health Organization/European Economic
Community/U.S. Environmental Protection Agency, Paris.
International Symposium on "Recent Advances in the Health
Effects of Environmental Pollution." North American
Scientific Advisor and Session Chairman
- November 14-19, 1976 - International Association of Medicine
and Biology of the Environment. Caracas. First
International Symposium on Industrial Workers and the
Environment;
Presentation: The Toxicology of Hydrocarbon in Relation to
Marine Ecosystem Effects
- March, April 1977 - United Nations Environmental Programme
(UNEP), Paris. Seminar on Environmental Conservation in
the Petroleum Industry;
Presentation: Morbidity and Mortality in Refinery
Employees
- May 11, 1977 - API Refining Department, Midyear Meeting,
Toronto.
Organizer and Chairman, Section on Occupational Health
- October 1977 - World Health Organization, Geneva. The
Environmental Health Criteria Program. (Meeting with the
International Commission on Industry and the Environment);
Presentation: Medical and Biological Research sponsored by
the American Petroleum Institute
- 1978-1979 - World Health Organization - International Registry
for Potentially Toxic Chemicals. Consultant on Program
Elements and Attributes
- September 1979 - World Petroleum Congress. Bucharest.
Chairman, Section on Health and Safety

- October 15-19, 1979 - World Health Organization/International Program on Chemical Safety. Geneva.
Member, Expert Committee on Environmental Health Criteria for Selected Petroleum Products
- September 15, 1980 - The Australian Institute of Petroleum 1980 Congress. Sydney.
Keynote Address: The Future of Biomedical Research in the Petroleum Industry
- September 18, 1980 - The Annual Scientific Meeting of the Australian and New Zealand Society of Occupational Medicine. Sydney.
Presentation: The Carcinogenic Potential of Crude Petroleum and its Deviations
- September 23, 1980 - Eighth International Conference of MEDICHEM. Tokyo.
Presentation: Research on the Cancer Hazard of Petroleum
- April 21-26, 1981 - International Labor Organization: International Symposium on the Prevention of Occupational Cancer. Helsinki. U.S. Employers' Representative
- April 1982 - - World Health Organization/International Program on Chemical Safety. Geneva.
Presentation: American Petroleum Institute Research on the Health Effects of Hydrocarbons
- April 1982 - Deutsche Gesellschaft für Mineralölwissenschaft und Kohlechemie e.V. Hamburg.
Presentation: Toxicologic Research on Petrol (Gasoline)
- May 1982 - International Petroleum Industry Environmental Conservation Association. Athens.
Presentation: American Petroleum Institute Research on the Toxicology of Gasoline and Motor Oil
- July 7-8, 1982 - The Institute of Petroleum Annual Conference. Health Hazards in a Changing Oil Scene. The Royal College of Physicians, London.
Presentation: U.S. Oil Industry Epidemiology
- August 20, 1983 - Seminar on Gasoline Vapor, Environment Canada. Ottawa.
Presentation: Current Research on Gasoline Toxicity
- September 7-9, 1983 - CONCAWE, The Hague. Health Management Group Meeting. Gasoline Workshop;
Presentation: Summary - The API Chronic Bioassay of Unleaded Gasoline

February 18-28, 1984 - International Agency for Research on
Cancer. Lyon.

Member, Working Group on the Evaluation of the Carcinogenic
Risk of Chemicals to Humans: Polynuclear Aromatic
Compounds, Part 4, Bitumens, Coal-tars and Derived
Products, Shale-Oils and Soots

September 13, 1984 - XXI International Congress on
Occupational Health. Dublin.

Presentation: Gasoline - A Possible Renal Carcinogen

October 6-10, 1985 - Collegium Ramazzini International
Conference on Environmental and Occupational Significance
of Industrial Carcinogens, Living in a Chemical World.
Bologna.

Presentation: Gasoline Toxicology - Implications for Human
Health

October 13-16, 1985 - International Congress for Occupational
Health in the Building Industry. (Invited Distinguished
Lecturer) Haifa.

Presentation: Asphalt (Bitumen) Manufacture and Use —
Occupational Health Considerations

BIBLIOGRAPHY (Includes selected abstracts, editorials, reviews, contributions in proceedings and books in addition to original papers)

1. McLester JB, Moore CWC, Weaver NK. The use of antibacterial agents in viral respiratory tract infections. Journal of the Medical Association of Alabama, November, 1948.
2. Weaver NK. Dystrophia myotonica, a case report. Jefferson-Hillman Hospital Bulletin, 1949.
3. Little SC, Weaver NK. Epilepsy in twins: an analysis of five twin pairs with electroencephalographic studies. American Journal of Diseases of Children. 1950;79:223-232.
4. Derbes VJ, Dent JH, Weaver NK, Vaughan DD. Response of tuberculin skin test to ACTH and cortisone in tuberculous guinea pigs. In: Proceedings of the Society for Experimental Biology and Medicine. 1950;75:423-426.
5. Derbes VJ, White R, Teverbaugh J, Weaver NK, Vaughan DD. Observations on the action of Khellin in attacks of bronchial asthma. Annals of Allergy. 1951;9:354-359.
6. Weaver NK. The role of hypersensitivity in rheumatic fever. Southern Medical Journal. 1951;44:711-717.
7. Derbes VJ, Weaver NK, Cotton AL. Complications of bronchial asthma. American Journal of the Medical Sciences. 1951;222:88-108.
8. Weaver NK, Hansen H, Venable FS. Methyl chloride intoxication. AMA Archives of Industrial Hygiene and Occupational Medicine. 1953;8:328-334.
9. Weaver NK. The asthmatic in industry. Annals of Allergy. 1954;12:575-578.
10. Hansen H, Weaver NK. Arteriosclerotic hearts at work. Journal of the Louisiana State Medical Society. 1955;107:63-68.
11. Hansen H, Weaver NK, Perret JT. Exhibit, Arteriosclerotic Hearts at Work, Annual Meeting, American Medical Association, Chicago, Illinois, June 10-16, 1956. "Certificate of Merit" Award, A.M.A. Scientific Exhibits. New York: Grune & Stratton, Inc.; 1956.
12. Weaver NK. The elderly handicapped worker in industry. Geriatrics. 1957;12:713-716.

13. Thorpe JJ, Weaver NK. Effective return to work of the cardiac employee. AMA Archives of Industrial Health. 1958;18:168-177.
14. Weaver NK. The selective placement of cardiacs in industry. Postgraduate Medicine. 1958;24:372-378.
15. Weaver NK. The selective placement of cardiacs in industry. In: Warshaw L ed. Work and the Heart. New York: Paul B. Hoeber, Inc.; 1959:368-374.
16. Weaver NK, Perret JT. The diabetic in industry. Southern Medical Journal. 1959;52:214-218.
17. Weaver NK. Needed: more emphasis on disease prevention in internal medicine: Editorial. AMA Archives of Internal Medicine. 1959;104:845-847.
18. Mogabgab WJ, Weaver NK, et al. Annual Report to the Commission on Influenza of the Armed Forces Epidemiological Board: Efficacy of influenza virus vaccine in a southern military base; immunogenicity and growth requirements of influenza A and B viruses propagated in monkey kidney cultures. Tulane University School of Medicine, 1959.
19. Mogabgab WJ, Weaver NK, et al. Progress Report to the National Institute of Allergy and Infectious Diseases, National Institutes of Health, Public Health Service: Cytopathogenic agents in respiratory disease in a tropical and sub-tropical climate isolated from the respiratory tract of man. Tulane University School of Medicine, 1960.
20. Mogabgab WJ, Dick EC, Weaver NK, Fu D. Upper respiratory diseases in the south, 1958-1959. Clinical Research. 1960;8:66.
21. Thorpe JJ, Weaver NK. Chronic pulmonary disease in an industrial population. In: Proceedings of the Thirteenth International Congress on Occupational Health, 1961.
22. Thorpe JJ, Weaver NK. 72% with cardiovascular disease return to jobs. Rehabilitation Record. 1961;2:22-23.
23. Weaver NK, Lione JG, Mogabgab WJ. Recurrent Asian influenza in an industrial population. Annals of Internal Medicine. 1961;54:843-855.
24. Weaver NK, Lione JG, Mogabgab WJ. Recurrent Asian influenza in an industrial population. ABSTRACTS. National Tuberculosis Association.

25. Perret JT, Weaver NK. Tuberculosis in an industrial plant. Diseases of the Chest. 1961;40:499-503.
26. Weaver NK. Disability absenteeism of industrial workers with myocardial infarcts. American Heart Journal. 1961;62:457-461.
27. Weaver NK. The cardiac worker in industry. Journal of the Medical Association of Alabama. 1961;31:1-4.
28. Weaver NK, Mogabgab WJ, Lione JG. Acute upper respiratory disease in industry. Archives of Environmental Health. 1962;5:415-422.
29. Weaver NK, Mogabgab WJ, Holper JC. Prevention of acute upper respiratory diseases. Archives of Environmental Health. 1963;6:99-106.
30. Weaver NK. Cardiac rehabilitation in industry — current status, new trends and influences. Memphis Mid-South Medical Journal. 1964;39:317-322.
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