

James Repace**Curriculum Vitae July 2005****Secondhand Smoke Biophysicist**

I have conducted research on indoor air pollution from environmental tobacco smoke (ETS) for nearly 30 years, publishing more than 60 scientific papers on ETS. I was a science policy analyst and staff scientist at the U.S. Environmental Protection Agency from 1979 to 1998. I am now in private practice as an international secondhand smoke consultant: <www.repace.com>.

Major accomplishments:

- Identified ETS as a major source of indoor air pollution, and the greatest source of population exposure to respirable particulate air pollution (RSP), and developed equations for its prediction, in a ground-breaking paper that attracted international scientific attention (Repace & Lowrey, 1980).
- Estimated that 5000 lung cancer deaths per year were caused in the U.S. due to passive smoking in a risk assessment that achieved international media attention, leading to major stories in the New York Times, USA Today, The Globe and Mail (Canada), and interviews on CBS TV Evening News, Good Morning America, Canada AM, and CNN, among many others (Repace and Lowrey, 1985a).
- Proposed the first health-based indoor air quality standard for ETS, relating ETS RSP to lung cancer risk, demonstrating that ETS could not be controlled to within an acceptable level of risk by ventilation, or air cleaning (Repace & Lowrey, 1985b).
- Initiated EPA's policy interest in indoor air pollution in 1979. Funded the 1986 National Academy of Sciences Report on Environmental Tobacco Smoke, inspired the 1986 Surgeon General's Report on Involuntary Smoking, and initiated a study by EPA's Office of Research and Development which resulted in the 1992 EPA Risk Assessment of Passive Smoking which concluded that ETS is a Class "A" or "known human carcinogen."
- Developed the first equations for the prediction of the levels of ETS nicotine in air and its metabolite, cotinine in the blood, urine and saliva of nonsmokers, and calculated dose-response equations relating those levels to nonsmokers' lung cancer and heart disease mortality (Repace and Lowrey, 1993; Repace et al., 1998).
- Published the first methodology for calculating personal exposures and risks to ETS from cotinine in blood, saliva, and urine (Repace, Al-Delaimy and Bernert, 2005).

- Assisted the Occupational Safety and Health Administration (OSHA) of the U.S. Dept. of Labor with the drafting of its proposed rule to regulate ETS and indoor air in workplaces in 1994, and assisted OSHA with the planning and conduct of its protracted and contentious public hearing during 1994-1995.
- Co-authored a chapter implicating cigars as a “major and increasing source of indoor air pollution.” in the National Cancer Institute Monograph on Cigar Smoking in the U.S.(Repace, Ott, and Klepeis, 1998)
- For my contributions to the science and policy of ETS, In 1988 I received the Dr. Luther L. Terry award from the U.S. Public Health Professional Association. In 1989, I was awarded the Surgeon General's Medallion from Dr. C. Everett Koop. In 1994, I shared the Secretary of Labor's Excellence Award, and OSHA's Impact Award for my work on OSHA's Indoor Air Proposal. In 1998, I received a Lifetime Achievement Award from the American Public Health Association, and in 2002, I received a William Cahan Distinguished Professor Award from the Flight Attendant Medical Research Institute, an Innovator Award from the Robert Wood Johnson Foundation, and was appointed Visiting Assistant Clinical Professor at the Tufts University School of Medicine. I also received recognition from the U.S. Dept. of Transportation for my contributions to its study of ETS on Aircraft and the U.S. Dept. of Health and Human Services Office of General Counsel for “extraordinary assistance” with workplace smoking ban litigation.
- I have been invited to lecture at numerous national and international scientific and medical meetings, and at many U.S. and foreign universities. I have been invited to testify before the U.S. Senate and the U.S. House of Representatives. I have served as a consultant to the U.S. Department of Transportation, the World Health Organization, the National Research Council, the U.S. Department of Health & Human Services, and to the National Cancer Institute. I have served on the Surgeon General's National Advisory Committee on Smoking and Health, and have been a consultant on ETS to The World Health Organization.
- From 1979 to 1986, I worked at the U.S. Environmental Protection Agency on the policy staff of the Assistant Administrator for Air and Radiation as a senior science policy analyst on issues relating to incineration of hazardous wastes on land and sea, ionizing and non-ionizing radiation, chemical hazards, and initiated EPA's policy interest in indoor air pollution. I inspired and served in EPA's Indoor Air Division From 1987 to 1998, defining its initial policy interest in ETS and sick buildings. I also served in the Exposure Assessment Group of EPA's Office of Research and Development, working on exposure assessment of electromagnetic fields and internal radon dose from drinking water, in 1993. During 1994-95, I served on loan to the U.S. Department of Labor in the Health Standards Division of the Occupational Safety and Health Administration, working on OSHA's proposed rule to regulate ETS.

- Prior to service at EPA, I worked for 15 years as a research physicist on radiation effects in military electronics and applied nuclear physics in oceanography at the Naval Research Laboratory in Washington, DC, and as a research associate in RCA's David Sarnoff Research Center in Princeton, NJ, on development of solid state blue light, selenium vidicons, and high vacuum technology. As a health physicist at two New York hospitals, I performed *in vivo* and *in vitro* radiodiagnostic tests on patients, calibrated therapeutic and diagnostic x-ray and cobalt radiation equipment, and lectured to the medical staff on radiation physics.

EDUCATION

Polytechnic Institute of Brooklyn, BSc. Physics, 1962; MSc. Physics 1968

Post-masters study in physics: University of Maryland 1969, Catholic University 1970-1972.

Scientific Panel Membership

Founding Member, Ad-hoc Interagency Committee on Indoor Air Quality 1979

Secretary, TT-7 Indoor Air Quality Committee, Air Pollution Control Association, 1982

Surgeon General's National Advisory Panel on Smoking & Health, 1987-1989

World Health Organization Expert Advisory Panel on Tobacco or Health, 1987-Present

Scientific Peer-Review Panel, California Tobacco-Related Disease Program 1994 – 2001

Ad-hoc peer reviewer, National Cancer Institute

Associate Editor for Passive Smoking, *Tobacco Control*, 2000- 2003

Other Memberships

American Physical Society 1964 - 1979

Air Pollution Control Association 1979-1986

American Association for the Advancement of Science 1976 – 1990

American Public Health Association 1996 –

International Society for Exposure Analysis 1997 -

International Society of Indoor Air Quality and Climate 2002 -

American Society of Heating, Refrigerating and Air Conditioning Engineers 2003-

HONORS

1967 RCA Laboratories Graduate Assistantship Award

1971 Sigma Xi, National Research Society

1971-1972 Thomas Edison Fellowship, U.S. Naval Research Laboratory

1975 WHO's WHO In Maryland

1984 U.S. EPA Award for Exceptional Performance

1988 Dr. Luther L. Terry Award, U.S. Public Health Professional Assn

1989 Surgeon General's Medallion, U.S. Public Health Service

1990 Certificate of Appreciation, U.S. Department of Transportation.

1991 Certificate of Appreciation, U.S. Dept of Health & Human Services

1994 OSHA *IMPACT* Award, U.S. Dept. of Labor (IAQ Team Award)

1994 U.S. Dept. of Labor Secretary's Excellence Award (IAQ Team Award)

1995 U.S. OSHA Outstanding Performance Rating

1997 WHO'S WHO In the East

1998 Action on Smoking and Health Certificate of Appreciation

1998 Americans for Nonsmokers' Rights Plaque of Appreciation

1998 Pr. Georges' County Civic Federation President's Award

1998 American Public Health Association, Lifetime Achievement Award

- 2002 Flight Attendant Medical Research Institute Distinguished Professor Award**
2002 Visiting Clinical Assistant Professor, Tufts University School of Medicine
2002 Robert Wood Johnson Foundation Innovator Award
2003 American Lung Association of Maryland Distinguished Service Award
2003 Italian Natl. Cancer Institute, Milan, Certificate for Excellence in Smoke Studies

PROFESSIONAL EXPERIENCE:

1963 Sr. Laboratory Technician	Radioisotope Laboratory, Grasslands Hospital, N.Y.
1964 Jr. Physicist	Dept. of Physics, New York City Dept. of Hospitals, New York, NY
1965-1968 Research Associate	Insulator Physics Group, RCA David Sarnoff Lab., Princeton, NJ
1969-1971 Research Physicist	Ocean Science Division, Naval Research Lab, Washington, DC
1971-1979 Research Physicist	Electronics Division, Naval Research Laboratory, Washington, DC
1979-1986 Policy Analyst	Science Policy Staff ; Office of Air & Radiation, U.S. EPA, Washington, DC
1986-1993 Policy Analyst	Indoor Air Division, Office of Radiation & Indoor air; U.S. EPA, Washington, DC
1993-1994 Physicist	Exposure Assessment Group, Office of Research & Development, U.S. EPA, Washington, DC
1994-1995 Policy Analyst	Health Standards Division, OSHA, U.S. Dept. of Labor, Washington, DC
1995-1997 Policy Analyst	Indoor Air Division, Office of Radiation & Indoor air; U.S. EPA, Washington, DC
1998- Scientific Consultant	Repace Associates, Inc., <i>Secondhand Smoke Consultants</i>

Pre-1998 Work Experience

May 1995
to
March 1998

U.S. ENVIRONMENTAL PROTECTION AGENCY
 Washington, DC. Analysis Branch, Indoor Air
 Division, Office of Radiation & Indoor Air,
 Office of Air & Radiation (GS-028-14)

Senior technical staff, Indoor Air Division. Responsible for risk assessment, science policy analysis and technical program development of indoor pollutants. Major Accomplishments: independently developed for the first time a steady-state pharmacokinetic monte-carlo model relating airborne nicotine and salivary cotinine to environmental tobacco smoke (ETS) workplace exposure parameters and lung cancer risk. Reviewed for EPA: Health Effects of Low Level Ozone; PM-10 Draft Criteria Document; EPA's IAQ Diagnostic Manual; ASHRAE Handbook; EPA Carpet Brochure. Critically reviewed Congressional Research Service Passive Smoking Report & Participated in Workshop. For 1995, six scientific papers published.

**January 1994
to
May 1995**

OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, U.S. DEPARTMENT OF LABOR
Washington, D.C. Health Standards Directorate
Office of Health Standards and Promulgation
On detail from U.S. EPA. (GS-028-14)

Member, OSHA Indoor Air Quality Team. Helped draft language in proposed Indoor Air Quality (IAQ) rule and preamble to regulate environmental tobacco smoke (ETS) and other indoor pollutants [Indoor Air Quality, Proposed Rule 29 CFR 1910, 1915, 1926, 1928, 5 April 1994]. Provided expert consultation on ETS and IAQ hazard assessment, exposure assessment, health effects, and risk assessment issues. Served as OSHA panel member for IAQ Hearings from September 1994 - March 1995. Helped the Solicitor's Office select and prepare OSHA expert witnesses. Received "Outstanding" performance rating; awarded the U.S. Department of Labor Exceptional Achievement Award and OSHA's Excellence Award given to the Indoor Air Quality Team for development of the proposed IAQ rule. Independently developed for the first time a steady-state pharmacokinetic model relating salivary cotinine to ETS workplace exposure parameters and lung cancer risk.

**March. 1993
to
January 1994**

U.S. ENVIRONMENTAL PROTECTION AGENCY Washington, D.C. Exposure Assessment Group, Office of Health & Environmental Assessment, Office of Research and Development -- *on detail.*
(GS-028-14)

On sabbatical as exposure analyst in the Exposure Assessment Methods Branch. Worked on exposure assessment of radon in drinking water, electromagnetic fields, pesticide re-entry, and real-time monitoring of environmental pollutants. Helped write draft EMF Guidance. Independently developed and published for the first time a steady-state pharmacokinetic model relating plasma and urinary cotinine to environmental tobacco smoke exposure, and a nicotine-based indoor air quality standard for environmental tobacco smoke (ETS) in the workplace. Published a calculation which showed that dietary nicotine must be insignificant compared to ETS as a source of plasma cotinine.

**Sept.1986
to
March 1993**

U.S. ENVIRONMENTAL PROTECTION AGENCY*,
Washington, D.C., Senior Analyst, Analysis Branch, Indoor Air Division, Office of Atmospheric & Indoor Air Programs, Office of Air & Radiation, Washington, DC 20460.

Senior technical staff, Indoor Air Program. Responsible for risk assessment, science policy analysis and technical program development of indoor

pollutants. Major independently developed projects: Wrote initial draft starting Agency risk assessment of environmental tobacco smoke (ETS), later taken over by Office of Research & Development. Conceived, co-edited, and co-authored 228-page EPA Compendium of Technical Issues on Environmental Tobacco Smoke, jointly with several Agencies of the U.S. Public Health Service: National Cancer Institute, National Heart, Lung, and Blood Institute, Office on Smoking & Health, Office of Disease Prevention & Health Promotion. Initiated an Interdisciplinary Handbook for the Prevention of Sick Buildings. Drafted two Indoor Air Facts public information pamphlets for the Indoor Air Division: Ventilation and Air Quality in Office Buildings (Indoor Air Facts # 3) and Environmental Tobacco Smoke (Indoor Air Facts # 5) .

Awarded U.S. Surgeon General's Medallion for my work on passive smoking. Awarded Certificate of Appreciation for "significant contributions" as a member of the Department of Transportation interagency oversight committee (CEER Panel) on airliner cabin air quality. Awarded Certificate of Appreciation for "extraordinary assistance" as an expert witness to the Department of Health and Human Services in workplace smoking ban litigation. Reappointed as Scientific Consultant to the World Health Organisation Tobacco or Health Program (Geneva) for the 3rd time. My risk assessment model for lung cancer risk from passive smoking used as one of two to calculate risks of passive smoking on aircraft in U.S. Department of Transportation report on Airliner Cabin Air Quality. Authored two chapters for IARC monograph on Passive Smoking. Testified by invitation before the House Aviation Subcommittee Hearing on Airliner Cabin Air Quality on risk assessment of passive smoking for flight attendants, which contributed to 6-hr ban on smoking on passenger aircraft. Currently advising FAA on risks to cockpit crew. Assisted passive smoking effort at OSHA, passive smoking research at Univ. of California. Represented program on numerous occasions in a variety of presentations to national and international electronic and print media and audiences. Lectured at numerous national and international conferences and universities in the U.S. and abroad.

August 1982

U.S. ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. Science Policy Staff, Office of
Policy Analysis and Review, Office of Air, Noise,
and Radiation, Washington, DC 20460.

to

September 1986

Member, policy staff of the Assistant Administrator for Air and Radiation. Responsible for scientific and policy review of air and radiation regulations, emphasis on cross-media problems such as incineration at sea, sewage sludge incineration. Had substantial input into risk assessment and proposed regulation of formaldehyde emissions from particle board and methanol-fueled vehicles. Made policy review of all proposed radiation regulations, including occupational radiation, guidance, radio-frequency guidance, low level radioactive waste, active and inactive mill tailings, and indoor radon guidance. Worked on special projects involving high-visibility air regulatory waiver applications. Made significant substantive contributions to Indoor Air Strategy paper for Agency Air Toxics Strategy; drafted and coordinated Agency

response to Congressional Indoor Air Questions. Served as project officer on EPA/NAS Passive Smoking Study.

Independently developed quantitative risk assessment of environmental tobacco smoke . Testified on nonsmokers' lung cancer risk in both U.S. Senate and House of Representatives. Served as reviewer of 1984 Surgeon General's Report and as Alternate EPA Delegate to Surgeon General's National Advisory Committee on Smoking and Health. Served as Technical Advisor, National Academy of Sciences Committees on Airliner Cabin Air Quality and Passive Smoking; Consultant to World Health Organization on Airliner Cabin Air Quality, and to International Agency for Research on Cancer. Served as Executive Secretary of Indoor Air Quality Committee of APCA; chaired session on health effects.

August. 1982

U.S. ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. Senior Staff, Office of
Policy & Evaluation, Office of Air and
Radiation, Washington, DC 20460.

to

August 1984

On the policy staff of the Assistant Administrator. Reviewed proposed air and radiation regulations; engaged in regulatory policy development for hazardous air pollutant risk assessment. Major input: Air Toxics Strategy, Radionuclides, Benzene, Arsenic regulations; management analysis, Office of Radiation Programs. Developed initial guidance from air office to research office on indoor air pollution research strategy; worked on risks of hazardous waste incineration, unleaded gasoline, sewage sludge incineration, and passive smoking. Testified in House of Representatives Hearing on Indoor Air Pollution.

April 1979

U.S. ENVIRONMENTAL PROTECTION
AGENCY, Washington, D.C. Senior Staff,
Office of Policy Analysis, Office of Air,
Noise, and Radiation, Washington, DC 20460

to

August 1982

On the policy staff of the Assistant Administrator. Worked independently or at the direction of the Office Director or the Assistant Administrator on a broad range of issues involving hazardous and criteria pollutants, radiation, and risk and exposure assessment. Responsibilities included discovery of long-range issues which might affect the agency; critique of technical, scientific, or policy work of other organizations; and liason with a variety of governmental or private interests. Major achievements include initiating EPA's interest in indoor air pollution; becoming the Agency contact person for all substantive indoor air questions.

August 1969**to****April 1979**

U.S. NAVAL RESEARCH LABORATORY
 Research Physicist
 Solid State Devices Branch
 Electronics Division, Washington, DC 20375

Executed scientific research in nuclear and solid state physics, materials science, computer technology, lasers, and semiconductor device structures. Produced research papers for presentation at national conferences and for publication in peer-reviewed journals, as well as negotiating and monitoring contracts for radiation-hardening research with governmental, university, and corporate research laboratories. Major achievements included discovery of negative interfacial charge layer in silicon-on-sapphire structure (patent disclosure), development of in-house laser scanning, automated capacitance-voltage and ion-current measurement, and a space-radiation dosimeter for space satellites. Served as the Branch delegate to the NRL laboratory safety committee.

February 1968**to****August 1969**

U.S. NAVAL RESEARCH LABORATORY
 Research Physicist,
 Nuclear Oceanography Branch,
 Ocean Science Division, Washington, DC 20375

Executed scientific research in nuclear activation analysis and computer programming. Major achievement was making precise measurements of the half-lives of several radionuclides in an investigation of the trace-element ratios of fossil and extant barnacles as part of a research program to determine the salinity of paleolithic seas.

October 1964**to****February 1968**

RCA LABORATORIES
 Research Associate,
 Materials Research Laboratory
 David Sarnoff Research Center
 Princeton, NJ

Supported basic and applied research into the photo-magneto-electronic properties of insulators and vidicon applications. Primary responsibility was planning experiments and designing and constructing specialized apparatus. Major achievements were development of devices for flash vacuum evaporation; crystal growth under high vacuum from 77°K to 300° K; interferometric measurement of thin-film deposition; and deposition of molten alkali metals on vacuum-etched anthracene. These contributions helped make possible the first solid-state blue light.

October 1963 DELAFIELD HOSPITAL
 Jr. Physicist
 to Physics Department
 New York City Department of Hospitals
October 1964 New York, NY

Responsibilities ranged from consulting to medical staff in radiation physics, providing calibration services, radiation safety, and applied research. Major achievements were responsibility for monitoring doses to patients during surgical implantation of radium for treatment of uterine carcinoma; calibration of cobalt and x-ray therapy equipment; and derivation of isodose distribution curves for ^{60}Co radiotherapy machines. The position was filled by competitive examination.

June 1963 GRASSLANDS HOSPITAL
 Senior Laboratory Technician
 to Laboratory for Nuclear Medicine
 Westchester County Department of Hospitals
October 1963 Valhalla, NY

Responsibilities included performing radio-diagnostic tests upon patients, assisting in medical research, and lecturing medical residents on mathematics and medical radiation physics. I operated with a high degree of autonomy, performing tests on patients involving the administration of radioactive drugs without supervision. I pipetted the solutions to the correct dosage, calibrated the instruments, and calculated the test results for presentation to the supervisory physician.

PUBLICATIONS

1. Repace JL. Precision Measurements of the Half-Lives of ^{38}K , ^{49}Ca , and ^{27}Mg , RADIOCHIMICA ACTA 14: 46- (1970).
2. Meijer PHE and Repace JL. Phase Shifts of the Three-Dimensional Spherically Symmetrical Square Well Potential, AMERICAN JOURNAL OF PHYSICS 43: 428- (1975).
3. Repace JL. Radiation Induced Increase in Mobile Sodium in MOS Capacitors", IEEE TRANSACTIONS ON NUCLEAR SCIENCE NS-24: 2088- (1977).
4. Repace JL. The Effect of Ionizing Radiation on Mobile Ion Measurements in MOS Capacitors", IEEE TRANSACTIONS ON ELECTRON DEVICES ED-25: 492- (1978).
5. Repace JL and Goodman AM. The Effect of Process Variations on Interfacial and Radiation-Induced Charge in Silicon-on-Sapphire Capacitors. IEEE TRANSACTIONS ON ELECTRON DEVICES ED-25: 978- (1978).

6. Repace JL. Radiation Effects in Ion-Implanted SOS Capacitors with Negative Charge. IEEE TRANSACTIONS ON NUCLEAR SCIENCE NS-25: 1450- (1978).
7. Tseng WF, Repace JL, Hughes HL, and Christou A. Silicon-on-Sapphire Films with Negative and Positive Interfacial Charges. THIN SOLID FILMS 82: 213- (1981).
8. Repace JL, and Lowrey AH. Indoor Air Pollution, Tobacco Smoke, and Public Health. SCIENCE 208: 464-474 (1980).
9. Repace JL, Ott WR, and Wallace LA. Total Human Exposure to Air Pollution Proceedings of the 73rd Annual Meeting of the Air Pollution Control Association, June 22, 27, 1980, Montreal.
10. Repace JL. The Problem of Passive Smoking. BULLETIN OF THE NEW YORK ACADEMY OF MEDICINE 57: 936-946 (1981).
11. Repace JL, and Lowrey AH. Nonsmokers and Cigarette Smoke: A Modified Perception of Risk. SCIENCE 215: 197 (1982).
12. Repace JL, and Lowrey AH. Tobacco Smoke, Ventilation, and Indoor Air Quality. ASHRAE TRANSACTIONS 88: Part I, 895-914 (1982).
13. Repace JL. Indoor Air Pollution. ENVIRONMENT INTERNATIONAL 8: 21-36 (1982).
14. Repace JL, Seba DB, Lowrey AH, and Gregory TW. Effect of Negative Ion Generators on Ambient Tobacco Smoke. JOURNAL OF CLINICAL ECOLOGY 2: 90 (1984).
15. Repace JL, and Lowrey AH. Modeling Exposure of Nonsmokers To Ambient Tobacco Smoke", *Proceedings of the 76th Annual Meeting of the Air Pollution Control Association,* Atlanta, June 20-24, 1983.
16. Repace JL. Tobacco Smoke and the Nonsmoker. *Proceedings of The 5th World Conference on Smoking & Health*, Winnipeg, Canada, July 10-15, 1983.
17. Repace JL. Consistency of Research Data on Passive Smoking and Lung Cancer. J.L. Repace, THE LANCET (ii): 3 March 1984, p. 506.
18. Repace JL. Effect of Ventilation on Passive Smoking in a model Workplace", *Proceedings of an Engineering Foundation Conference on Management of Atmospheres in Tightly Enclosed Spaces*, Santa Barbara, Oct. 17-21, 1983, American Society of Heating, Refrigerating, and Air Conditioning Engineers, Atlanta, 1984.
19. Repace JL, and Lowrey AH. A Quantitative Estimate of Nonsmokers' Lung Cancer Risk From Passive Smoking. ENVIRONMENT INTERNATIONAL 11: 3-22 (1985).
20. Repace JL, and Lowrey AH. An Indoor Air Quality Standard For Ambient Tobacco Smoke based on Carcinogenic risk. N.Y. STATE JOURNAL OF MEDICINE: 85: 381-383 (1985).

21. Repace JL. Risks of Passive Smoking. Chapter 1, in *To Breathe Freely, Risk, Consent, and Air, Maryland Studies in Public Philosophy*, Edited by M. Gibson, Center for Philosophy and Public Policy, University of Maryland; Rowman and Allenheld, Totowa, N.J., 1985.
22. Repace JL. Passive Smoking has no place in the workplace (Editorial) CANADIAN MEDICAL ASSOCIATION JOURNAL, 133: 737-738, Oct 15, 1985.
23. Repace JL, and Lowrey AH. A Rebuttal To Criticism of 'A Quantitative Estimate of Nonsmokers' Lung Cancer Risk From Passive Smoking'. ENVIRONMENT INTERNATIONAL 12: 33-38 (1985).
24. Repace JL, and Lowrey AH. A Rebuttal To Criticism of the Phenomenological Model of Nonsmokers' Lung Cancer Risk from Passive Smoking. ENVIRONMENTAL CARCINOGENESIS REVIEWS (Journal of Environmental Science and Health), pt C(4) 225-235 (1986).
25. Repace JL, and Lowrey AH. Environmental Tobacco Smoke and Indoor Air Quality in Modern Office Work Environments," (Editorial) JOURNAL OF OCCUPATIONAL MEDICINE, 29: 628-629 (1987).
26. Repace JL, and Lowrey AH. Predicting the Lung Cancer Risk From Domestic Passive Smoking. (letter) AMERICAN REVIEW OF RESPIRATORY DISEASE, 136: 1308 (1987).
27. Repace JL. Indoor concentrations of environmental tobacco smoke: models dealing with effects of ventilation and room size", *Ch. 3, IARC Scientific Publications no.81, Environmental Carcinogens--Selected Methods of Analysis--Volume 9 Passive Smoking*; I.K. O'Neill, K.D. Brunnemann, B. Dodet & D. Hoffmann, International Agency for Research on Cancer, World, Health Organization, United Nations Environment Programme, Lyon, France, (1987).
28. Repace JL. Indoor concentrations of environmental tobacco smoke: field surveys". J.L.Repace, *Ch. 10, IARC Scientific Publications no. 81, Environmental Carcinogens--Selected Methods of Analysis--Volume 9 Passive Smoking*; I.K. O'Neill, K.D. Brunnemann, B. Dodet & D. Hoffman, International Agency for Research on Cancer, World, Health Organization, United Nations Environment Programme, Lyon, France, (1987).
29. Repace JL, and Lowrey AH. Comment on 'Estimation of Effect of Environmental Tobacco SMOke on Air Quality within Passenger Cabins of Commercial Aircraft". (letter) ENVIRONMENTAL SCIENCE AND TECHNOLOGY 22: 1238 (1988).
- 29A. Repace JL, Lowrey AH. Modeling and measurement of aerosol and nicotine from environmental tobacco smoke", Proceedings of the Annual meeting of the American Association for Aerosol Research, Chapel Hill, NC, October 10-13, 1988.
30. Repace JL. Passive smoking is risky. JOURNAL OF THE AMERICAN MEDICAL WOMEN'S ASSOCIATION 44: 50-54 (1989).

31. Repace JL, and Lowrey AH. Environmental tobacco smoke in the cabins of commercial aircraft." (Letter) *JOURNAL OF THE NATIONAL CANCER INSTITUTE* 81: 1425-1426 (1989).
32. Repace JL. Workplace restrictions on passive smoking: justification on the basis of cancer risk." In: Harper, JP, Ed., Transactions of an international specialty conference (Air Pollution Control Association)-- Combustion processes and quality of the indoor environment. Niagara Falls, NY pp. 333-347 (1989).
33. Repace JL, and Lowrey AH. Rebuttal to Lee and Katzenstein's commentary on passive smoking risk. (Letter) *ENVIRONMENT INTERNATIONAL* 16:182-183 (1990).
34. Repace JL, and Lowrey AH. Risk Assessment Methodologies in passive smoking-induced lung cancer. *RISK ANALYSIS*, 10: 27-37, (1990).
35. Repace JL, and Lowrey AH. Observational vs extrapolative models in estimating mortality from passive smoking. (Letter) J.L. Repace and A.H. Lowrey, *ENVIRONMENT INTERNATIONAL* 17: 386-387 (1991).
36. Repace JL. "Workshop Comments on Benefits and drawbacks of natural and mechanical ventilation systems," p. 72. "Workshop Comments on How to design low energy buildings and avoid health and comfort problems, p. 66-67. "Workshop Comments on The dramatic changes in recommended outdoor air rates - what are the rational motives and consequences," p. 132-133. In: *Healthy Buildings '88*, vol 4. Conclusions and recommendations for healthier buildings. B. Berglund, T. Lindvall, Eds. Swedish Council for Building Research, Stockholm, Sweden, June 1991.
37. Repace JL. Are Indoor Air Quality Standards Needed? p. 153-159. In: *Healthy Buildings '88*, vol 4. Conclusions and recommendations for healthier buildings. B. Berglund, T. Lindvall, Eds. Swedish Council for Building Research, Stockholm, Sweden, June 1991.
38. Repace JL, and Lowrey AH. Does ventilation really control tobacco smoke in offices? *ENVIRONMENT INTERNATIONAL* 18: 311-314 (1992).
39. Repace JL. Is the dose -response curve between tobacco smoke exposure and lung cancer really linear from active smoking to passive smoking?" (letter) *ENVIRONMENT INTERNATIONAL* 18: 427-429 (1992).
40. Repace JL, and Lowrey AH. Issues and answers on passive smoking in the workplace: rebutting tobacco industry arguments. *TOBACCO CONTROL*, 1: 208-219 (1992).
41. Repace JL, and Lowrey AH. Passive Smoking and the Tobacco Industry." (Letter) *TOBACCO CONTROL*, 2: 56 (1993).

42. Lowrey AH, Kantor S, and Repace JL. Indoor and Outdoor Respirable Suspended Particulates in Budapest, Hungary. *Proceedings of the 6th International Conference on Indoor Air Pollution*, Helsinki, Finland, July 4-8, 1993.
43. Repace JL, and Lowrey AH. An enforceable indoor air quality standard for environmental tobacco smoke in the workplace." *RISK ANALYSIS*, 13:463-475 (1993).
44. Repace JL. Tobacco Smoke Pollution." J.L. Repace, Chapter 7 in *Nicotine Addiction, Principles and Management*, T. Orleans and J. Slade, Ed.s, Oxford University Press, New York, 1993.
45. Repace JL, A Book Review of *The Chemistry of Environmental Tobacco Smoke: Composition & Measurement*. by MR Guerin, RA Jenkins, and BA Tomkins. *TOBACCO CONTROL* 2: 339-340 (1993).
46. Repace JL. Dietary nicotine won't mislead on passive smoking ... *BRITISH MEDICAL JOURNAL*, 308/6920 (1 Jan) 61-62 (1994)
47. Repace JL. Risk management of passive smoking at home and at work. *ST. LOUIS UNIVERSITY PUBLIC LAW REVIEW*, XIII (2) 763-785 (1994).
48. Shopland DR, Hartman AM, Repace JL, and Lynn WR. Smoking behavior, workplace policies, and public opinion regarding smoking restrictions in Maryland. *MARYLAND MEDICAL JOURNAL* 44: 977-982 (1995).
49. Lowrey AH, Wallace LA, Kantor S, and Repace JL. Concentrations of combustion particulates in outdoor and indoor environments. Chapter 10 in *Combustion Efficiency and Air Quality*, T. Vidóczy and I. Hargittai, Eds. Plenum Publishers. N.Y. pp 175-211 (1995).
50. Repace JL, and Lowrey AH. A rebuttal to tobacco industry criticism of an enforceable indoor air quality standard for environmental tobacco smoke... . *RISK ANALYSIS* 15: 7-13 (1995).
51. Repace JL. The Clean Air Case Against Smoking. In: Round Table: "Smokers: why do they start and continue?" *WORLD HEALTH FORUM*, 16, # 1: 13-16, January 1995.
52. Repace JL. Tobacco, history, and the AMA. (Letter) *THE LANCET*, 19 August 1995.
53. Repace JL. Indoor air pollution and multiple chemical sensitivity. Proc. Occupational Safety & Health '95 Conference and Trade Show, Toronto, Ontario, Oct. 2-4, 1995.
54. Repace JL, and Lowrey AH. Environmental Tobacco Smoke: Allegations of Scientific Misconduct. *ENVIRONMENT INTERNATIONAL* (Letter) *Environment International* 22:268-270 (1996).
55. Repace JL, Jinot J, Bayard S, Emmons K, and Hammond SK. Air nicotine and saliva cotinine as indicators of passive smoking exposure and risk. *Risk Analysis* 18: 71-83 (1998).

56. Repace JL, Ott WR, and Klepeis NE. Indoor Air Pollution from Cigar Smoke. Chapter 5, In *Smoking and Tobacco Control Monograph 9. Cigars - Health Effects and Trends*. National Institutes of Health, National Cancer Institute, Bethesda, MD (1998).
57. Klepeis NE, Ott WR, and Repace JL. The effect of cigar smoking on indoor levels of carbon monoxide and particles. *Journal of Exposure Analysis and Environmental Epidemiology* 9:1-14 (1999).
58. Repace JL. Banning outdoor smoking is scientifically justifiable. (Invited review) *Tobacco Control* 9:98 (2000).
59. Baker F, Dye JT, Stuart R, Ainsworth MA, Crammer C, Thun M, Hoffmann D, Repace J, Henningfield J, Slade J, Pinney J, Shanks T, Burns B, Connally G, Shopland D. Cigar smoking health risks: state of the science. *JAMA* 284:735-740 (2000).
60. Johnson KC and Repace JL. Lung cancer and passive smoking - Turning over the wrong stone. *BMJ* 321 (7270) 1221 (2000).
61. Mannino DM, Moorman JE, Kingsley B, Rose D, and Repace J. Health effects related to environmental tobacco smoke exposure in children in the United States. Data from the Third National Health & Nutrition Examination Survey. *Archives of Pediatric & Adolescent Medicine* 155:36-41 (2001).
62. Muggli ME, Forster JL, Hurt RD, and Repace JL. The smoke you don't see: uncovering tobacco industry scientific strategies aimed against environmental tobacco smoke policies. *American Journal of Public Health*, 91: 1419-1423 (2001).
63. Mannino DM, Caraballo R, Benowitz N, and Repace J. Predictors of cotinine levels in US children - data from the third national health and nutrition examination survey. *Chest* 120:718-724 (2001).
64. Repace JL. Effects of passive smoking on coronary circulation. (letter) *JAMA*. 2002; 287 #3, January 16.
65. Repace JL. Flying the Smoky Skies: Secondhand Smoke Exposure of Flight Attendants. *Tobacco Control* 2004;13(Suppl 1):i8-i19. Lead Scientific Paper in supplement.
66. Muggli ME, Forster JL, Hurt RD, and Repace JL. The Tobacco Industry's Political Efforts to Derail the EPA Report on ETS. *Am J Prev Med* 2004;26(2):167-177.
67. Repace JL. Respirable Particles and Carcinogens in the Air of Delaware Hospitality Venues Before and After a Smoking Ban. *Journal of Occupational and Environmental Medicine*, 46:887-905 (2004).

68. Indoor Air Quality in Hospitality Venues Before and After Implementation of a Clean Indoor Air Law — Western New York, 2003. MJ Travers, KM Cummings, A Hyland, J Repace, S Babb, T Pechacek, PhD, R Caraballo. MMWR Vol. 53 / No. 44 1038-104, November 12, 2004.

69. Repace JL. Controlling Tobacco Smoke Pollution. *Technical Feature*, ASHRAE IAQ Applications: 6, #3, 11-15 (2005).

70. Hyde JN, Brugge D, Repace J, Rand W. Assessment of sources of second hand smoke exposure in a putatively non-exposed population. *Archives of Environmental Health*, (in press).

71. Repace JL, Al-Delaimy WK, Bernert JT. Correlating Atmospheric and Biological Markers in Studies of Secondhand Tobacco Smoke Exposure and Dose in Children and Adults. *Journal of Occupational and Environmental Medicine*, (in press).

72. Repace JL. Human Exposure to Secondhand Smoke. In: *Human Exposure Analysis*, Part II. Inhalation – Occurrence, Sources, and Quantitative Levels of Exposure, W. Ott and A. Steinemann (Eds.), (in press).

Internet Publications:

(1). Repace JL. The Cigarette Wars. Pro & Con: The verdict of science: secondhand smoke kills. <Intellectual Capitol.com> Vol. 3 Issue 14 April 2-8, 1998.

(2). Repace JL, Kawachi I, and Glantz SA. Fact Sheet on Secondhand Smoke.. 20-page Internet Review Paper prepared for Globalink, a membership-only internet service of the UICC Union Internationale Contre le Cancer (International Union Against Cancer) Geneva, Suisse. 23 February 1999. <www.repace.com>.

(3). Repace JL. Can Ventilation Control Secondhand Smoke in the Hospitality Industry? Prepared for the California Cancer Registry, Tobacco Control Section, California Department of Health. April 6, 2000: www.repace.com ; see also: www.dhs.ca.gov/tobacco/documents/FedOHSAs.pdf.

(4). Hedley AJ, McGhee SM, Repace JL, Wong TW, Yu MYS, Chan AYW, Lam TH, Lo PCK, Tsang M, Wong LC, Chan ALN, Ng ESL, and Janghorbani M. Passive smoking and risks for heart disease and cancer in Hong Kong catering workers 2001. Report # 8, Hong Kong Council on Smoking and Health. http://www.info.gov.hk/hkcosh/download/en_download01.htm#pointA.

(5). Repace JL. 2003. *An Air Quality Survey of Respirable Particles and Particulate Carcinogens in Northern Delaware Hospitality Venues Before and After a Smoking Ban*. Report for the IMPACT Delaware Tobacco Prevention Coalition. www.repace.com.

(6). Repace JL. 2003. *A Killer on the Loose. An Action on Smoking and Health Special Investigation into the threat of passive smoking in the U.K. workforce.* <http://www.ash.org.uk> ; www.repace.com.

(7). Repace JL. 2003. Passive Smoking Risks: From Pollution, Not Bias. (2 December 2003) BMJ Online, Rapid Responses; <http://bmj.bmjournals.com/cgi/eletters/327/7413/503-a#37052>.

(8). Repace JL. Cotinine, Questionnaires, and Passive Smoking Risks. BMJ Online, Rapid Responses; <http://bmj.bmjournals.com/cgi/eletters/329/7471/918-b> (15 October 2004).

Conference Presentations and Posters:

1. Mulcahy M, Repace JL (presenter). Passive Smoking Exposure and Risk for Irish Bar Staff. (Poster) Presented at Indoor Air 2002, the 9th International Conference on Indoor Air Quality and Climate.

2. Hedley AJ, McGhee SM, Repace JL (presenter), et al. (Poster) ANALYSIS OF DOSE, EXPOSURE, AND RISK FOR HONG KONG CATERING WORKERS EXPOSED TO SECONDHAND SMOKE AT WORK ONLY. Presented at joint 12th Conference of the International Society of Exposure Analysis (ISEA) and the 14th Conference of the International Society for Environmental Epidemiology, August 11-15, 2002, Vancouver, BC Canada.

3. Repace JL, Ott WR, Klepeis NE, and Wallace LA. Predicting environmental tobacco smoke concentrations in California homes. Paper 5E-04p, Session: Environmental tobacco smoke: determining concentrations & assessing exposures. 10th Annual Conference of the International Society of Exposure Analysis, Oct 24-27, 2000, Asilomar, Monterey, CA.

4. Repace JL. Poster, Secondhand Smoke in the Hospitality Industry: Poster. Indoor Air Quality Before & After a Smoking Ban, 13th Annual Conference, International Society for Exposure Analysis, Stresa, Italy, 21-25 September 2003.

5. Ott WR, Repace JL. Poster. Modeling and Measuring Indoor Air Pollution from Multiple Cigarettes Smoked in Residential Settings. International Society for Exposure Analysis, Stresa, Italy, 21-25 September 2003.

6. Indoor and outdoor carcinogen pollution on a cruise ship. 14th Annual Conference of the International Society of Exposure Analysis, Philadelphia, PA. Supported by the Flight Attendant Medical Research Institute Distinguished Professor Award.

7. Rosetta Stone Equations for Predicting Atmospheric & Biomarkers for Secondhand Smoke; Outdoor Air Pollution From Secondhand Smoke; The Bismarck, ND Air Quality Study. 4th Annual meeting of the Flight Attendant Medical Research Institute, Miami Beach, FL May 11-13 2005

Presentations

1979

"Total Exposure to Air Pollution", National Commission on Air Quality, 499 So. Capital St., Washington, D.C. 12 July 1979.

"Health Effects of Tobacco Smoke on Nonsmokers", National Security Agency, Ft. George G. Meade, Maryland, 25 April 1979.

1980

"Indoor Air Pollution and Energy Conservation", guest lecturer, Catholic University, Dept. of Mechanical Engineering, class on Environmental Consequences of Energy Production, Washington, D. C., 18 September 1980.

"Regulation of Hazardous Substances in the Environment: Indoor Air Pollution", New York Academy of Science, New York, N. Y., 12 November 1980.

"Total Human Exposure to Air Pollution", presented at the 73rd Annual Meeting of the Air Pollution Control Association, Montreal, Canada, 23-27 June 1980.

1981

"Office Hazards", National Public Radio Interview, Washington, D.C., 4 February 1981.

"Indoor Air Pollution", President's Council on Environmental Quality, 1722 Jackson Place, N. W., Washington, D. C., 5 February 1981.

"Tobacco Smoke and the Nonsmoker", Symposium of Health Aspects of Indoor Air Pollution, the New York Academy of Medicine, New York, N. Y. 28-29 May 1981.

Chairman, Indoor Air Quality Session, TT-7 Indoor Air Quality Committee, 74th Annual Meeting, Air Pollution Control Association, Philadelphia, Pa., 22-26 June 1981.

"An Approach To A National Indoor Air Pollution Policy", International Symposium on Indoor Air Pollution, Health, and Energy Conservation, Amherst, Mass., University of Massachusetts, 13-16 October 1981.

Panelist, "The Changing Cigarette", National Conference on Smoking or Health, The American Cancer Society, Waldorf Astoria Hotel, New York, N. Y. 18-20 November 1981.

"Indoor Air Pollution Transport", Guest Lecturer, Dept. of Mechanical Engineering, Class on Environmental Effect of Energy Production, Catholic University of America, Washington, D. C., 30 November 1981.

"Regulation of Indoor Air Pollution, Past & Future", Seminar on Indoor Air Pollution, Argonne National Laboratory, Argonne, Illinois, 5 December 1981

1982

Co-Chairman ASHRAE Symposium on Ventilation and Indoor Air Quality, and Presenter: "Tobacco Smoke, Ventilation, and Indoor Air Quality", Paper HO-82-6, #2, ASHRAE-APCA Symposium, ASHRAE-ARI 1982 Semiannual Meeting, Houston, Texas, 24-28 January 1982.

Interview on Passive Smoking, Canadian Broadcasting Company Television Network, Broadcast Oct. 1, 1982.

Panelist, Working Group on Smoking, Heart, Lung and Blood Diseases, National Institutes of Health, Bethesda, MD, 10 June, 19 Oct. 1982.

Invited Speaker, Seminar on Indoor Air Pollution, National Institute of Building Sciences, National Association of Home Builders, Washington, D.C. 20 June 1982.

Chairman, Indoor Air Quality Poster Session, 75th Annual Meeting of the Air Pollution Control Association, New Orleans, LA, 22 June 1982.

1983

Mention of my work in "The Menace of Indoor Pollution," by Lowell Ponte, Readers' Digest, 144-148, Feb. 1983.

Interview on Involuntary Smoking, "Health Beat", (Nationally Syndicated) Metromedia TV, broadcast nationally March 25-28 1983.

Interview, Indoor Air Pollution, CBS-TV (New York) 6 O'Clock News, broadcast 18 May 1983.

CoChairman, Session 9, Indoor Air Pollutants -- Health Effects; 76th Annual Meeting of the Air Pollution Control Association, Atlanta, GA, 20 June 1983.

Guest Speaker, General Interest Session on Indoor Air Pollution, "Indoor Air Policy Issues", 76th Meeting of the Air Pollution Control Association, Atlanta, 23 June 1983.

Presented Paper 83-64.2, "Modeling Exposure of Nonsmokers to Ambient Tobacco Smoke" Session 64, Indoor Air Quality Characterizations of Concentrations, Emissions, and Human Exposure, 76th Annual Meeting of the Air Pollution Control Association, Atlanta GA, 23 June 1983.

Guest Lecturer, Session on Nonsmokers' Air Environment, 5th World Conference on Smoking & Health, Winnipeg, Canada, July 13, 1983.

Invited testimony before the House Subcommittee on Energy Development and Applications and the Subcommittee on Agriculture Research and Environment of the Committee on Science & Technology, U.S. House of Representatives, Washington, DC., on Indoor Air Pollution from tobacco smoke. August 3, 1983.

Guest Lecturer, Conference on "Management of Atmosphere in Tightly Enclosed Spaces", Oct 16-21, 1983, Santa Barbara, California, "Tobacco Smoke and Ventilation." Conference Co-sponsored by Engineering Foundation, American Society of Heating, Refrigerating and Airconditioning Engineers (ASHRAE), U.S. EPA, and U.S. Dept. of Energy.

Participant, Workshop on Evaluation of Personal Monitoring Equipment for Personal Exposure Assessment, organized by the Harvard School of Public Health and the Energy and Environmental Policy Center, co-sponsored by the Electric Power Research Institute and the Gas Research Institute, Harvard Univ., Cambridge Mass., 5-7 December 1983.

Participant, International Conference on Assessment of Passive Smoking, sponsored by the International Agency for Research on Cancer, at the American Health Foundation, Valhalla, NY. 8-9 December 1983.

1984

"Indoor Air Pollution From Tobacco Smoke", presented at the monthly meeting of the Federal Safety and Health Council of Metropolitan Washington, J. Edgar Hoover Bldg., 13 January 1984, Washington, DC.

Reviewer, 1983 Surgeon General's Report on Health Consequences of Smoking, Cardiovascular Disease. Office on Smoking and Health, U.S. Dept. HHS, Rockville, MD 27 February 1984.

"Analysis of the American Cancer Society Study of Passive Smoking and Lung Cancer", presented at a meeting of the Interagency Technical Working Committee on Smoking, Heart, Lung, and Blood Diseases, NIH, Bethesda, MD, 28 February 1984.

"Indoor Air Pollution", guest lecturer, Dept. of Architecture, Catholic University of America, Washington, DC, 17 April 1984.

"Workplace Passive Smoking", invited talk presented at the National Safety Management Society 1984 Conference, Hotel Sheraton-Washington, Washington DC, April 23-26, 1984.

"Involuntary Smoking, Fact and Fiction", invited talk presented at Clinical Public Health Grand Rounds, Health Resources and Services Administration, U.S. Dept. of Health and Human Services, Rockville, MD, 9 May 1984.

TV Panelist: Passive Smoking; *The Freeman Report*, Cable News Network, Nationally Broadcast live 10-11 PM, Washington, DC, 23 May 1984.

Interview on Passive Smoking, "All Things Considered," with Daniel Zwerdling, Nationally Broadcast 1 June 1984, WETA, Washington, DC.

"Passive Smoking", invited talk presented at the 19th Annual Meeting of the U.S. Public Health Service Professional Association, Scottsdale, Arizona, 4-8 June 1984.

"A Proposed Indoor Air Quality Standard for Ambient Tobacco Smoke": paper presented at 3rd International Conference on Indoor Air Quality and Indoor Climate, Stockholm, 20-24 August 1984.

Interview on Indoor Air Pollution: RKO General Radio: "Equal Time", Nationally Syndicated Public Affairs Show: 17 September 1984.

Interview: "EPA Passive Smoking Study" CBS TV Evening News With Dan Rather, (National) 26 September 1984.

Interview: "EPA Study Links Deaths of Nonsmokers to Cigarette", by Irvin Molotsky, The New York Times, November 3, 1984.

Interview on Passive Smoking, CANADA AM (National), Toronto, 14 Sept. 1984.

Interview: "Tobacco tar fatal for nonsmokers, doctor says", The Globe and Mail, P.M6, Toronto, 15 September 1984.

Interview: "Second-hand tobacco smoke may kill 500 Canadians a year, expert claims." A.12, The Toronto Star, Toronto, 15 September 1984.

"Risks of Passive Smoking" Guest Lecturer at Pierce Foundation Laboratory, Yale University, New Haven, CT, 17 December 1984.

Interview on Passive Smoking and Indoor Air Pollution, Newsweek, 31 December 1984.

1985

Interview on passive smoking, INN News (Cable TV, Syndicated) 10 Jan 1985.

Mention of my work: N.Y. Times Editorial: "Making Cigarettes Pay", 11 January 1985.

Invited Talk on "Risk Assessment of Passive Smoking", Interagency Technical Working Committee on Smoking, Heart, Lung, and Blood Diseases, National Institutes of Health, 16 January 1985.

Interview: "Smokers' smoke is risk to all -- study", p.1, USA TODAY 31 January 1985.

Interview on Risk Assessment of Passive Smoking: "Scientist says tobacco smoke is one of deadliest indoor air pollutants", United Press International wire service story, 4 February 1985.

Interview on Risk Assessment of Passive Smoking: GOOD MORNING AMERICA, ABC TV Network, 5 February 1985.

Interview on Risk Assessment of Passive Smoking: Cable News Network, 5 February 1985.

Invited Talk on "Risk Assessment of Passive Smoking", Interagency Task Force on Environmental Lung Cancer, U.S.EPA, Washington, D.C. 7 February 1985.

Panelist, Special Study Section for Review of National Cancer Institute Grant Applications (RFA-84-CA-14) for Passive Smoking Research, Arlington VA. 15 March 1985.

Telephonic testimony re: Equal Employment Opportunity (passive smoking in the workplace) Complaint of Ernest Stiltner vs. U.S. Department of Commerce, National Oceanic and Atmospheric Administration Boulder, Colorado, 28 March 1985.

Invited Talk on "Cancer Risk from Workplace Smoking", Conference on Smoking and the Workplace, Society for Occupational and Environmental Health, Washington DC, 10 April 1985.

Participant, Planning Workshop on Research Program for Passive Smoking on Aircraft, sponsored by the World Health Organization, Geneva, Switzerland, April 17-19, 1985.

Invited Talk on "Risk Assessment of Passive Smoking", University of California, Berkeley/San Francisco, Program in Bio-Engineering, San Francisco, April 30, 1985.

Presentation on Indoor Air Quality Problems on Passenger Aircraft. Public Hearing on Airliner Cabin Air Quality, National Academy of Sciences, Washington, D.C., June 14, 1985.

Invited Talk on Modeling of Sidestream Smoke on Passenger Aircraft. National Academy of Sciences Committee on Airliner Cabin Air Quality. Woods Hole, Mass. July 25, 1985.

Testimony on risk of cancer from workplace passive smoking. Hearing on United States Senate Bill 1440, "The Nonsmokers' Rights Act of 1985", U.S. Senate Hearing, Dirksen Bldg., Washington, DC, 2 October 1985.

Live telephone interview on workplace passive smoking. CBC Radio, Montreal, 4 October 1985.

Invited presentation: "Quantitative Risk Assessment of Lung Cancer from Passive Smoking" National Academy of Sciences Committee on Passive Smoking, Washington, DC, 8 October 1985.

Invited talk: "Role of Cigarette Smoke in Pediatric Respiratory Disease", 5th Annual Pediatric Pulmonary Conference, American Lung Association of Northern Virginia, Marriott Hotel, Bethesda, MD, 2 November 1985.

Guest Speaker, "Risks of Passive Smoking", Harvard University Institute for The Study of Smoking Behavior and Policy, J.F.K. School of Government, Cambridge MA, 6 November 1985.

Guest Speaker, "Health Risks of Active and Passive Smoking", 1985 Joint Annual Health and Safety Conference, United Auto Workers/Ford Motor Company, Fontainebleau Hotel, Miami Beach, FL, 4 December 1985.

Technical Adviser on Secondhand Smoke, a videotape produced by Pyramid films, Los Angeles, California.

1986

Invited Lecture: "Respiratory, Cardiovascular, and Cancer Risks of Passive Smoking:" American Occupational Health Conference, Annual Meeting of the American Occupational Medical Association, April 29, 1986, Denver, Colorado.

Invited Speaker: "Risks of Passive Smoking", Conference on Indoor Air Pollution, Jointly sponsored by the U.S. Environmental Protection Agency and the Council of State Governments, May 2, 1986, Boston, Massachusetts.

Invited Speaker: "The Health Hazards of Passive Smoking", Educational Workshop on Health Hazards of Smoking, Pan American Health Organization, Washington, DC 14 May 1986.

Chairman, Session on Health Effects of Environmental Tobacco Smoke. 79th Annual Meeting of the Air Pollution Control Association, Minneapolis, Minnesota, 24 June 1986.

Testimony on Health and Air Pollution Effects of Environmental Tobacco Smoke. U.S. House of Representatives Hearing before the Committee on Energy and Commerce, Subcommittee on Environment, Rayburn House Office Building, Washington, D.C. 27 June 1986.

Invited Talk: Field Surveys, Modeling, Measurement, and Health Effects of Environmental Tobacco Smoke. Environmental Health Directorate, Health & Welfare Canada, Ottawa, Canada, 28 October 1986.

Invited Talk: Quantitative Risk Assessment of Lung Cancer From Domestic and Workplace Exposures to Passive Smoking. Special Advisory Committee on Passive Smoking, Smoking Control Programme, Health & Welfare Canada, Ottawa, Canada, 29 October 1986.

Invited Talk: Risks of Involuntary Smoking. Annual Industrial Hygiene Conference, National Aeronautics and Space Administration, Omni Hotel, Charleston, S.C., 5 Nov 1986.

Invited Address to Visiting Soviet Delegation: Field Studies, Modeling, and Measurement of Sidestream Smoke: Using the National Academy of Sciences Report on Environmental Tobacco

Smoke for Health Effects Analysis. National Academy of Sciences, Washington, DC. 9 December 1986.

Invited Lecturer: Public Health Program Seminar on Environmental Tobacco Smoke. Department of Public Health, Yale University Medical School, New Haven, CT. 16 December 1986.

1987

Invited Talk: Effects of Ventilation on Environmental Tobacco Smoke. Department of Defense Health Promotion Coordination Meeting, The Pentagon, 7 January 1986.

Mention of my work in "Nonsmokers: Time to Clear the Air," by C. Everett Koop, MD, Readers' Digest, 110-113, April 1987.

Invited Speaker: "The Health Hazards of Passive Smoking", Educational Workshop on Health Hazards of Smoking, Pan American Health Organization, Washington, DC 14 May.

Co-chairman, Session on Characterization of Environmental Tobacco Smoke, 4th International Conference on Indoor Air Pollution, Aug.15-21, 1987, Berlin, W. Germany.

Invited Speaker: "Passive Smoking, Lung Cancer, and Cardiovascular Mortality", Ad Hoc Committee on Cardiovascular and Pulmonary Disease Risk Factors in Minority Populations, Advisors to the Director, National Heart, Lung, & Blood Institute. Bethesda, MD 26 August 1987.

Invited Lecturer: "Modeling and Measurement of Exposure to Environmental Tobacco Smoke." Indoor Air Quality Symposium, Environmental Health & Safety Division, Georgia Tech Research Institute, Atlanta, GA, 23 September 1987.

Invited Speaker: "Risks and Control of Passive Smoking", Annual Meeting of the American Medical Women's Association, Orlando FL, 31 October 1987.

Invited Speaker: "Risk Assessment of Environmental Tobacco Smoke", presented at Risk Assessment Workshop, sponsored by Office of Research & Development, USEPA, Research Triangle Park, NC, 30 November 1987.

1988

Expert Witness: AFGE/AFLCIO vs. U.S. Department of Health & Human Services, re: smoking policy dispute. Hearing before Administrative Law Judge, March 2, 1988, Washington, DC.

Interview on passive smoking. Belgian Public Television (Dutch section), Bowie, Maryland, 2 April 1988.

Invited Speaker: "Sick Buildings and the role of the Architect". Guest Lecturer, Graduate School of Architecture, Catholic University of America, Washington, DC, 25 April 1988.

Invited Speaker: "Environmental Tobacco Smoke". Indoor Air Conference sponsored by the Consumer Federation of America. Washington, DC, 23 May 1988.

Guest Lecturer: "Assessing Human Exposures to Indoor Pollutants: Environmental Tobacco Smoke." Human Exposure Seminar, USEPA, Washington, DC, 29 June 1988.

Television Interview on Airliner Cabin Air Quality, CBS TV National News Program "48 Hours", broadcast nationally on September 8, 1988.

Invited Discussant: Healthy Buildings '88 Conference, Workshop W7, "Avoiding Health Problems in Low Energy Buildings; Workshop W8, "Benefits & Drawbacks of Natural & Mechanical Ventilation"; Workshop W14, "Consequences of Dramatic Changes in Outdoor Air Rates"; Stockholm, Sweden, Sept. 5-8, 1988.

Invited Lecturer: "Risks and Control of Passive Smoking", Georgia Tech Research Institute Indoor Air Quality Seminar, Atlanta, GA, Sept.20-22, 1988.

Presented paper and invited panelist: "Workplace restrictions on passive smoking: justification on the basis of cancer risk", APCA Specialty Conference on Combustion Processes and the Quality of the Indoor Environment, Niagara Falls, NY, September 27-29, 1988.

Interview on indoor air pollution; published in the Boston Globe, Sunday Magazine, October, 1988.

Presented paper: "Modeling and measurement of aerosol and nicotine from environmental tobacco smoke", Annual meeting of the American Association for Aerosol Research, Chapel Hill, NC, October 10-13, 1988.

Invited Testimony before New Jersey State Commission on Smoking Or Health. Trenton, NJ, 28 November 1988.

Interview on a new risk assessment of passive smoking CBS TV Evening News (National), broadcast December 2, 1988.

Presented paper: "Summary Risk Assessment of Lung Cancer from Environmental Tobacco Smoke", J.L. Repace. Harvard University Workshop on Risk Assessment of Indoor Pollutants, Harvard School of Public Health, Cambridge, MA, Dec. 6-8, 1988.

Technical adviser on On The Air, a videotape on workplace smoking policies produced by Pyramid Films, Los Angeles, California. Released December, 1988.

1989

Invited panelist: Session on Protecting Nonsmokers. Legislative Conference on Tobacco Use in America, sponsored by the American Medical Association. University of Texas, Houston, TX January 26-27, 1989.

TV Interview on Sick Building Syndrome: NOVA (US) and HORIZON (UK), BBC Television, taped at the U.S. Environmental Protection Agency, Washington, DC 10 February 1989; broadcast in UK and US.

Interview published in the News Section of the Journal of the National Cancer Institute: "Passive Smoking Occurs on Commercial Flights", by F.X. Mahaney.

Invited Lecturer: "Why Workplaces Should be Smoke-free". Johns Hopkins University School of Medicine, Health Resources Program, Baltimore, MD. 11 April 1989.

Radio Interview on Indoor Air Pollution and Sick Buildings: WMCA National Radio Talk Show, Broadcast Live on Sunday, June 11 1989 at 10 PM.

At the request of the National Cancer Institute's Office of Cancer Communications, I gave an interview: "Ventilation and smoking in the workplace," which was published as a single page in a 10-page booklet: "Smoking Policy, Questions and Answers."

Interview with Associated Press: "Cigarette pollution: threat to nonsmokers may be worse than suspected". Tuesday 20 June 1989.

"EPA: Indoor Smoking is big pollutant", p.1, Interview with USA TODAY, Tuesday, 20 June 1989. Reprinted in International Herald Tribune.

Invited expert testimony on environmental tobacco smoke on aircraft, Hearing on Legislation to Limit or Ban Smoking on Commercial Airliners, before the Subcommittee on Aviation, Committee on Public Works and Transportation, U.S. House of Representatives, Washington, DC., 22 June 1989.

TV Interviews on smoking on aircraft, CBS TV, Channel 9; also COX Broadcasting; Washington, DC, 22 June 1989.

Awarded The Medallion of the Surgeon General of the United States, by Surgeon General C. Everett Koop, in Washington, DC, 10 July 1989.

Interview on Smoking on Aircraft, for Travel Holiday Magazine (November issue), 21 August 1989.

Invited speaker: Smoking in the workplace and ventilation. Session on Smoking in the Workplace, fairness and self-preservation. National Safety Council Congress and Exposition, Chicago, 31 October 1989.

Expert testimony on effect of designated smoking areas on smokers, delivered before the Federal Service Impasse Panel of the Federal Labor Relations Board in the case of American Federation of Government Employees vs. Department of Veteran's Affairs. Washington, DC 2 November 1989.

Certificate of Appreciation "for substantial contributions" to the study of effect of tobacco smoke on airliner cabin air quality. U.S. Department of Transportation, Washington, DC Nov.7, 1989.

Interview on effects of sick building syndrome on workers. RCA Cable TV. Washington, DC Nov.15, 1989.

Interview on passive smoking for article to appear in Cook Light Magazine. 16 Nov. 1989.

Interview on indoor air pollution CBC-TV, Toronto. 1 December 1989.

Interview on passive smoking "Battling Pollution Becoming an Inside Job", Los Angeles Times, Tues. Dec. 26, 1989.

1990

Invited Lecturer: "Passive Smoking in the Workplace", University of Auckland School of Medicine, Auckland, New Zealand, 20 March 1990.

Invited talk: "Update on the health effects of passive smoking." Prevention '90 conference sponsored by the American College of Preventive Medicine, Atlanta, GA, 20 April 1990.

TV Interview: Horizon, BBC London, on Passive smoking risks. Taped for Broadcast in January 1991; Syndicated for rebroadcast on NOVA, PBS Washington, DC, Oct 2, 1990.

Guest Lecturer, Risks and Control of Passive Smoking, NIVA: Nordic Institute for the Advanced Study of Occupational Health, Oslo, Norway, Seminar on Environmental Tobacco Smoke, October 7-10, 1990.

1991

Invited Speaker: "Cigarette smoke pollutants in the office and workplace." 4th International Conference on Environmental Lung Disease, sponsored by the American College of Chest Physicians. Montreal, Canada, Sept. 28, 1991.

Guest Speaker, Risks and Control of Passive Smoking, Joint Seminar of the Department of Cardiology and the Institute for Health Policy, University of California San Francisco Medical School, 18 November 1991.

Guest Lecturer: "Environmental Tobacco Smoke." "Tobacco 1991" Course, Department of Health Policy and Management, Johns Hopkins University, Baltimore, Maryland. December 5, 1991.

1992

Invited speaker: "Control of Environmental Tobacco Smoke in the Workplace." Prevention '92 Conference, sponsored by the American College of Preventive Medicine, Baltimore, MD., March 1992.

Invited Lecture, Pharmacokinetics of nicotine and cotinine in passive smoking. Dept. of Cardiology, University of California, San Francisco, California.. October 12, 1992:

Invited lecturer: Exposure and Dosimetry of Passive Smoking, Office of Environmental Health Hazard Assessment (OEHHA), California Environmental Protection Agency, Oakland CA, October 11, 1992.

Invited lecturer: Risk Assessment of passive smoking, Public Hearing on Passive Smoking, California EPA, Oakland CA. October 14, 1992:

Invited speaker: Passive smoking and the nonsmoker. Dept. of Civil Engineering, Stanford U. Stanford, CA. October 16, 1992:

1993

Invited lecture : Air Pollution and public policy. Johns Hopkins University Environmental Health & Engineering Continuing Education Ctr., School of Hygiene & Public Health. June 11, 1993:

Invited Speaker and Panelist: "Environmental Tobacco Smoke: What it means for lung cancer prevention." Workshop on the primary and secondary prevention of lung cancer. International Association for the Study of Lung Cancer. Potomac Maryland, November 7-9, 1993.

1994

Testimony on Local Laws to restrict smoking in Fast Food Restaurants, on Smoking, and on Restricting Smoking in Child Care Facilities (Int. #'s 11, 232, and 291) before the New York City Council; 6 June 1994.

Guest Lecturer: "Environmental Tobacco Smoke." "Tobacco 1994" Course, Department of Health Policy and Management, Johns Hopkins University, Baltimore, Maryland. May 13, 1994.

Participant: News Conference by the New York State Attorney General attacking the Tobacco Industry Campaign to discredit studies on nicotine addiction and secondhand smoke. N.Y. State Dept. of Law, 120 Broadway, New York City, N.Y, 27 July 1994.

Invited speaker. The EPA Report on Passive Smoking. Symposium on Passive Smoking. 9th World Conference on Smoking and Health. Paris, France. Oct 10-14, 1994.

1995

Interview: "The Truth About Secondhand Smoke." *Consumer Reports*, 27-33, January 1995.

Guest Faculty: Tobacco, 1995. Johns Hopkins School of Public Health, Baltimore, MD. April 1995.

Invited Participant: Congressional Research Service, Library of Congress Workshop on Environmental Tobacco Smoke. 5 June 1995, Washington, DC.

Biographical Profile: Career Choices - Exposing the Dangers of Tobacco Smoke. In: *Physics Today*, 59-60, October 1995.

TV Interview. NOVA, Public Broadcasting System. Can Buildings Make You Sick? Broadcast 26 December 1995.

Ad hoc scientific editor, Chapter 3, "Synergism in Carcinogenesis: Mathematical Approaches to its evaluation," by Arnold E. Reif, in: *Chemical Induction of Cancer - Modulation and Combination Effects - An Inventory of the Many Factors Which Influence Carcinogenesis*. Joseph C. Arcos, Mary F. Argus, and Yin-tak Woo, Eds. Birkhauser, Boston, Basel, Berlin, 1995.

1996

Interview on secondhand smoke. Secondhand Smoke Clearing the air about the risks. *Better Homes & Gardens* pp 66-71, Feb 1996

Interview: in "Smokescreen: How the tobacco institute, its PR agents at Fleishman Hillard and its lawyers at Covington & Burling helped turn a smalltime Fairfax businessman into an international authority on indoor air quality and cigarette smoke." by Morton Mintz, *Washington Post Magazine*, March 24, 1996.

Significant mention in Richard Kluger's book on the tobacco industry, *Ashes to Ashes*, Knopf, April 1996.

Invited speaker: *Where There's Smoke -- Cigars, The Latest Trend*. ASSIST Information Exchange Training Conference - Building Momentum for Tobacco Prevention: Planning for the Future, sponsored by the National Cancer Institute and the American Cancer Society, Arlington, VA., Oct. 22-23, 1996.

Invited speaker: *Maintaining a Comprehensive Approach to Tobacco Control - The Continuing Need for Clean Indoor Air Laws*. ASSIST Information Exchange Training Conference - Building Momentum for Tobacco Prevention: Planning for the Future, sponsored

by the National Cancer Institute and the American Cancer Society, Arlington, VA., Oct. 22-23, 1996.

Co-Chair & Discussant: Environmental Tobacco Smoke Session, Monday Nov. 18, 1996. American Public Health Association 124th Annual Meeting, Nov. 17-22, 1996 New York, NY.

Invited Lecturer: Health Risks of Environmental Tobacco Smoke - Policy Issues. International Workshop for Strengthening Collaboration on Tobacco Or Health Issues Among WHO Collaborating Centres, Atlanta, GA, Co-sponsored by World Health Organization Substance Abuse Programme and the U.S. Centers for Disease Control. 6-9 November 1996.

Guest lecturer: Environmental Tobacco Smoke Exposure, Dose, and Risk. The Institute for Cancer Research, The Norwegian Radium Hospital, University of Oslo, Montebello, Oslo, Norway. Nov. 25, 1996.

1997

Panelist: Workshop on Cigar Smoking. Sponsored by the National Cancer Institute. Feb. 3, 1997, Reston, VA.

Telephone interview on measurement of tobacco smoke infiltration between row-houses. *The Edinburgh Post* (Scotland, UK) 5 February 1997.

Interview with the *Toronto Star* on Smoking in the 1990's. 24 April 1997.

Peer Review Panelist, General Biomedical Study Section Meeting, University of California Tobacco-Related Disease Research Program, San Francisco, CA, May 6, 1997.

Interview on Cigar Smoking. *Newsweek*, published July 13, 1997.

Invited talk on Cigar smoke pollution. Entering a New Dimension - A National Conference on Tobacco and Health. Co sponsored by the American Cancer Society and the National Cancer Institute. Houston TX Sept. 22-24, 1997.

Course Leader: 2-Day Seminar on Environmental Tobacco Smoke. Lectures: Hazard and Overview, Exposure and Dose, Dose-Response and Control, Tobacco Industry Disinformation. 3rd Chilean Congress on Epidemiology, Viña Del Mar, Chile, South America. Oct. 14-15, 1997.

Participant in a Multi-media Press Conference on the Contribution of ETS to Air Pollution Exposure in the Chilean Population. Sponsored by the Chilean Ministry of Health, Cancer Unit, Santiago, Chile, S.Á., Oct. 17, 1997.

Presented scientific paper: Mathematical Models for Predicting Time-Averaged Environmental Tobacco Smoke Concentrations. International Society of Exposure Analysis (ISEA) Annual Meeting. November 2-5, 1997, Research Triangle Park, NC.

Invited Paper: Cigar Smoking: The Hot New Trend in Indoor Air Pollution Accelerates. 125th American Public Health Association Annual Meeting, Indianapolis, IN. Nov. 9-13, 1997.

1998

Invited talk: Environmental Tobacco Smoke: the Hospitality Industry Workplace. "Smokeless in Hawaii Conference," sponsored by the Hawaii Dept. of Health, etc. Honolulu, HA, Jan 16, 1998.

Interview on Cigar Smoking. KHON TV, Honolulu, HA, Jan 16, 1998.

Invited lecture: Reducing Exposure to Environmental Tobacco Smoke. National Tobacco Policy Forum. What Works: Effective Public Health Approaches to Tobacco Control. Capitol Hill Forum Series, sponsored by Partnership for Prevention. U.S. House of Representatives, Rayburn Building, Washington, DC Feb. 11, 1998.

Interview: Safe cigarette alternative? No cigar - Stogies' surging popularity spurs scientists to document dangers. By Doug Levy. *USA TODAY*, 10D, 23 Feb 1998.

Invited Lecture: Passive Smoking in the Workplace. Johns Hopkins Education and Research Center in Occupational Safety and Health. Johns Hopkins University School of Hygiene and Public Health, Dept. of Environmental Health Sciences. Baltimore, MD. 2 March 1998.

Invited lecture on medical effects of passive smoking. Conference on Environmental Tobacco Smoke Sponsored by the North Carolina Medical Society. Cary, NC 15 April 1998.

Peer Reviewer, ETS exposure research (via teleconference). California Tobacco Related Disease Program. San Francisco, CA, 19 April 1998.

Invited plenary talk on Clean Indoor Air Ordinance issues in the changing environment. ASSIST Annual Information Exchange. Detroit, MI 21 April 1998.

Interview on newly disclosed secret tobacco industry documents concerning attempts to discredit my work on ETS. *The New Scientist*.

Interview on newly disclosed secret tobacco industry documents concerning attempts to discredit my work on ETS. *The Wall Street Journal*. April 28, 1998.

Invited Lecture on Dosimetry of Secondhand Smoke. Montreal Regional Health Board, Montreal, Quebec, April 30, 1998.

Participant, Montreal Regional Health Ministry press conference on risk to Quebec Restaurant Workers from exposure to ETS, covered by regional print and television media. Montreal Quebec, April 30, 1998. e.g., see: *Customers' smoke kills waiters: study* The Gazette MONTREAL, 1 May 1998.

Tutorial on Secondhand Smoke. North Dakota Department of Health. Bismarck, ND, 6 May 1998.

Guest Lecturer on Environmental Tobacco Smoke, Exposure, Dose, and Risk. Before the Masters Program in Public Health, Instituto de Ciencias Biomedicas de Abel Salazar, Universidade do Porto, Porto, Portugal, 13 May 1998.

Invited Speaker: Environmental Tobacco Smoke. Session on Environmental Health. 15 May 1998. Portuguese Medical Association Meeting, Porto, Portugal 14-16 May 1998.

Expert Witness. In the matter of a proceeding under Article 6 of the Family Court Act. County of Onondaga, NY. Baker vs. Kelly. Syracuse, NY 18 May 1998. Outcome: won court order prohibiting smoking in the home of my client's children, who are in the custody of his ex-wife.

Invited Lecture: Passive Smoking: Exposure, Dose, Risk, and Control. Dept. of Environmental Health Sciences Summer Institute, Johns Hopkins University School of Hygiene and Public Health,. Baltimore, MD. 10 June 1998.

Invited Speaker: American Cancer Society Workshop "Cigar Smoking Health Risks: State-of-the-Science," Washington, DC June 15-16, 1998.

Newspaper Interview: "The smoke's cleared. Secondhand report has left its mark on USA." Cover Story. USA TODAY, Weds. July 22, 1998, front page.

Presented Paper: Models for Dose and Risk from Secondhand Smoke. 8th Conference of the International Society for Exposure Analysis, Boston, MA August 15-18, 1998.

Deposed in Badillo vs. American Tobacco et al. and Avallone vs. American Tobacco et al., Class Action Litigation (Casino workers vs. the Tobacco Industry) Washington, DC, August 20, 1998.

Invited Participant: Technical Assistance Meeting on Retrieving, Cataloguing and Analyzing Tobacco Industry Documents. Sponsored by the Office of Public Health and Science, Assistant Secretary for Health, U.S. Dept. of Health & Human Services, Washington, DC, Sept. 11, 1998.

Luncheon Speaker: Secondhand Smoke: Exposure, Risk, and Control. Tobacco Free Action Coalition of Dutchess, Sullivan, and Ulster Counties (NY). 1st Annual Awareness Forum Luncheon, Hudson Valley Resort, Kerhonkson, NY Sept. 16, 1998.

Lecture on Risks and Control ETS: Breakfast Meeting of the Red River Health Promotion Coalition, Wahpeton, ND. October 23, 1998.

Lecture on Health Risks and Dosimetry of ETS: MeritCare Hospital, Oct 22, 1998, sponsored by the North Dakota Dept. of Health, Fargo ND, October 23, 1998.

Interview on risks of secondhand smoke to children. Parents' Magazine, November 1998 (43-43).

Invited Lecturer: Active and Passive Smoking in Greece. Department of Critical Care, Evangelismos Hospital, University of Athens, Athens, Greece, 12 November 1998.

Invited Lecturer: "Filtration of Tobacco Smoke -- Panacea or Nostrum?" Post-Graduate Course given at the 3^o ΔΙΑΤΟΜΕΑΚΟ ΜΕΤΑΠΤΥΧΙΑΚΟ ΣΕΜΙΝΑΡΙΟ "ΑΝΑΠΝΕΥΣΤΙΚΗ ΑΝΕΠΑΡΚΕΙΑ: ΕΝΙΚΑΙΡΑ ΘΕΜΑΤΑ", 13-15 1998, sponsored by the Annual Congress of the European Respiratory Society. Athens, Greece, 14 November 1998.

Acceptance Speech: Lifetime Achievement Award, ATOD Section, American Public Health Association Annual Conference, 18 November 1998, Washington, DC

Invited Lecture: "Why Secondhand Smoke Cannot be controlled by Ventilation." Seminar on Ventilation Technology in the Hospitality Industry. Sponsored by the Ontario Campaign for Action on Tobacco. Ontario Medical Society, Toronto, Canada 24 November 1998.

Testimony in favor of listing ETS as a "known human carcinogen" in the 9th Report on Carcinogens of the U.S. National Toxicology Program. Board of Scientific Counselor's Meeting, National Institute of Environmental Health Sciences, Research Triangle Park, NC, 2 December 1998.

Invited talk: "ETS Basics" Tobacco Prevention Coordinators Training Meeting, Florida Dept. of Health, Orlando, FL Dec. 7, 1998.

1999

Invited talk: Secondhand Cigar Smoke. National Dental Tobacco Free Steering Committee, National Institutes of Health, Bethesda, MD. 25 January 1999.

TV Interview: The Sick Building Syndrome. CBS Network TV News Program, 60 MINUTES. Sunday, February 7, 1999.

TV Interview: Debate on Proposed Montgomery County Maryland Restaurant/Bar Smoking Ban. Maryland Public Television (Statewide). Wednesday 10 February 1999.

Testimony on Proposed Montgomery County Maryland Restaurant/Bar Smoking Ban, before the Montgomery County Council, Rockville, MD Thurs. 11 February 1999.

TV Interview: on Proposed Montgomery County Maryland Restaurant/Bar Smoking Ban, before the Montgomery County Council, Rockville, MD Thurs. Fox 5 News. 11 February 1999.

Informal presentation of *Fact Sheet on Secondhand Smoke*, an internet resource produced for Globalink, an internet service of the International Union Against Cancer. 2nd European Conference on Tobacco or Health, 1st Iberoamerican Conference on Tobacco or Health, 23-27 February 1999. Las Palmas, Gran Canaria, Canary Islands, Spain.

Invited expert testimony on tobacco smoke and ventilation before a subcommittee of the City Council of Worcester, MA, sponsored by the Massachusetts Department of Health. Worcester, MA, 8 April 1999.

TV Interview: Newsmaker interview on Worcester testimony by TV Channel 3, Worcester, MA. 8 April 1999.

TV Interview: on a new book by 2 tobacco industry consultants attacking the EPA's report on secondhand smoke. CBC Morning, CBC-TV Canada. 8 am News. April 19, 1999.

Guest Lecturer, Graduate Seminar in Environmental Health. Passive Smoking: Exposure, Dose, Risk, and Control. Dept. of Environmental Health Sciences, Johns Hopkins University School of Hygiene and Public Health,. Baltimore, MD.4 May 1999.

ETS Seminar: Secondhand Smoke Basics and Cigar Smoking: The Hot New Trend in Indoor Air Pollution. Minnesota Statewide Tobacco Prevention & Control Training Meeting, Minnesota Dept. of Health, St. Paul MN, 12 May 1999.

Invited expert testimony on tobacco smoke and ventilation before a subcommittee of the City Council of Cambridge, MA, sponsored by the Massachusetts Department of Health. Cambridge, MA, 19 May 1999.

Guest Lecturer, Summer Institute in Environmental Health. Passive Smoking: Exposure, Dose, Risk, and Control. Dept. of Environmental Health Sciences, Johns Hopkins University School of Hygiene and Public Health,. Baltimore, MD.1 June 1999.

Interview on Secondhand Smoke & Ventilation. *Club Management Magazine*, May/June 1999 issue.

Live radio interview on a new study of passive smoking and stroke. KFYI (910 AM) NewsTalk, Phoenix, Arizona. 18 August 1999.

Invited Lecture: Assessing exposure, dose, and asthma risk from environmental tobacco smoke in children. Symposium on Environmental Tobacco Smoke and Child Health. 11th Annual Conference of the International Society for Environmental Epidemiology (ISEE) / 9th Conference of the International Society of Exposure Analysis (ISEA). Athens, Greece, Sept. 5-8, 1999.

Invited presentation: Real and Imaginary Control Measures for Secondhand Smoke. New England and Eastern Canada Tobacco Control Conference, Hyannis, Massachusetts. Sponsored by the Massachusetts Department of Health, 21 Sept. 1999.

Invited presentation: Why displacement ventilation cannot control tobacco smoke in restaurants. Mesa, Arizona City Council, Mesa AZ., 23 Sept. 1999.

Radio Interview on Secondhand Smoke: "The David Lebowitz Show." KTAR AM, Phoenix, AZ, 23 Sept. 1999.

Invited Lecturer: ETS Basics. Annual Meeting of the Coalition for a Tobacco-Free Arizona. Phoenix, AZ, 23 September 1999.

Radio Interview on Secondhand Smoke: "Wake Up Arizona." KFYI AM, Phoenix, AZ, Oct. 4, 1999.

Invited Lecturer: PreConference Workshop: 9th Annual Research Roundtable Discussion: Environmental Tobacco Smoke. American Society of Addiction Medicine 12th National Conference on Nicotine Dependence, October 14-17, 1999, Cleveland, OH, Oct. 14, 1999.

Plenary Speaker: Exposure, Risk, and Control of Secondhand Smoke. American Society of Addiction Medicine 12th National Conference on Nicotine Dependence, October 14-17, 1999, Cleveland, OH, Oct. 15, 1999.

Course Director, Co-organizer, and Principal Lecturer: 30-hr Workshop for MPH Students: *Saúde Pública e Tabagismo Passivo* (Public Health & Passive Smoking). Sponsored by the Dept. of Public Health, University of Porto; co-sponsored by the British Council, the Portuguese-American Development Fund, and the Programa de Intervenção Operacional em Saúde. Oporto, Portugal, 18 to 22 October, 1999.

TV Interview: The Tobacco Industry and Passive Smoking. TV Norway (Trondheim), Taped in Washington, DC, Oct. 25, 1999.

Radio Interview: WEZD 1050 AM New York, The Jay Diamond Show (live) 4 PM -5:40 PM : Nov. 1, 1999.

Consultation for the Heart Foundation of Australia, 17 Nov. thru 26 Nov. 1999:

- Sydney, New South Wales: 18 Nov. Seminar “ETS-an international perspective”.
- ETS Briefings for Minister of Health, Opposition Minister of Health, New South Wales (NSW).
- Presentation, ETS risks and control for Heart Foundation (Sydney) staff. 19 Nov.
- Briefing for NSW Board & Staff. Melbourne, Victoria: 22 Nov. Victoria Govt. ETS Briefings - Director of Public Health, Opposition spokesperson for health; Minister for Health.
- Presentation, ETS Risks and Litigation, Australian Plaintiff Lawyers Association. 23 Nov.
- ETS Briefings, Melbourne: Union Representatives; Victoria Occupational Health (WorkCover); Victoria Chamber of Commerce, Australia Industry Group; Dept. of Human Services, VicHealth, Quit, AntiCancer Council, Asthma Foundation.
- Hobart, Tasmania, 24 Nov.: Presentation on ETS Risks and Control, Briefing for Health Minister.
- Adelaide, South Australia, 25 Nov.: Presentation, ETS Risks and Control, Ministerial Tobacco Advisory Task Force.
- Media Interviews: ABC Late News (national) Interview on passive smoking & breast cancer. The Sydney Morning Herald (25 Nov, p. 6), “A ban on smoke puffs up restaurants’ profits;” The Herald Sun p.30 (Melbourne, 25 Nov) “Clamp on Pub Smoke;” Nov. 25 Radio 2GB (Sydney) interview on passive smoking; The Mercury (Hobart, Nov. 26, p. 17) “Smoky Pubs Under Fire;” The Bulletin with Newsweek (national), p. 21, Nov. 30, 1999 “The Man With the Smoking Gun.”

Consultation for Smokefree Coalition (New Zealand) [Lung, Heart, Stroke, Cancer, societies, various medical and dental groups, workers, etc.] 29 Nov to 1 Dec., 1999: Wellington, NZ, Nov 30: Conference on Passive Smoking - presentations {Secondhand Smoke Exposure and Risk; Dosimetry of ETS - Linking the Science with Action; Plenary Panel Session on Recommendations for Action).

Auckland, Dec. 1: Presentation at ASH of New Zealand, ETS Risks and Control. Media Interviews: Radio New Zealand, Wellington, Nov. 30, 1999; New Zealand Herald, A16, “Ban smoking in public places says US Expert,” Auckland, NZ, Dec. 8, 1999.

Deposed in *Sagatelian v. South Lake Homeowners’ Assoc. et al.* (Secondhand smoke infiltration in a condominium), Pasadena, CA, Dec. 19, 1999.

Telephone Interview on New Smoking Ban in British Columbia Pubs and Restaurants: The Vancouver Observer, British Columbia, Canada. Dec. 29, 1999.

2000

Magazine Interview: “Where there’s smoke, there’s ire.” *Engineered Systems* Vol 17 # 1, pp. 92-98, January 2000.

Newspaper Interview: "Suit tests risk of secondhand smoke in condos." Los Angeles Daily Journal, p.10, Jan 11, 2000.

Expert Testimony in *Sagatelian v. South Lake Homeowner's Association* (Secondhand smoke infiltration in a condominium), Los Angeles Superior Court, Pasadena, California, Jan 11-12, 2000.

Testimony before the New Bedford, MA Health Board on risks and control of secondhand smoke, sponsored by Mass. Health Dept. New Bedford, MA 7 Feb 2000.

Deposed in *Leonard v. Rollette County*, Secondhand smoke litigation in North Dakota. 9 February 2000.

Testimony before the New York City Council Health Subcommittee on risks and control of secondhand smoke sponsored by Smokefree City Coalition. New York, NY 23 Feb 2000.

Written testimony submitted to the Princeton, NJ Regional Health Commission on risks and control of secondhand smoke. 25 Feb 2000 sponsored by New Jersey Breathes Coalition.

Invited presentation: "Secondhand Smoke, Inside and Out," at "The Smoke Around You" conference, sponsored by the Nebraska Dept. of Health & Human Services, Lincoln, NE, 21 March 2000, Lincoln NE. Interviews: KFOR Radio, Channel 8 TV, Lincoln.

Testimony before the Philadelphia City Council on risks and control of secondhand smoke. 24 May 2000 sponsored by Health Promotion Council of SouthEastern Pennsylvania.

Ad Hoc Advisor, World Health Organization Working Group on Policies to reduce exposure to Environmental Tobacco Smoke. Lisbon, Portugal, 29-30 May 2000.

Co-arranger and Speaker: Conference on Involuntary Smoking: health risks and policies to reduce exposure. Sponsored by the Luso-American Development Foundation in collaboration with the WHO Centre for Environment and Health (Bilthoven Division) and Masters Program in Public Health, School of Medicine, University of Porto. Lisbon, Portugal, May 31, 2000.

Guest Lecturer: Summer Institute in Environmental Health. Passive Smoking: Exposure, Dose, Risk, and Control. Dept. of Environmental Health Sciences, Johns Hopkins University School of Hygiene and Public Health,. Baltimore, Maryland. 7 June 1999.

Guest Lecturer: Indoor Air and Body Fluid Standards for Environmental Tobacco Smoke. Cancer Bureau Seminar, Laboratory Centre for Disease Control, Health Protection Branch, Health Canada, Ottawa, Ontario, Canada. June 9, 2000.

Newspaper interview on Passive smoking (with photo): L'interdiction de fumer aurait pour effet de ramener la clientele non fumeuse dans le bars et restaurants. *La Presse*, Montreal, Quebec, Canada, June 9, 2000.

Participant: NIOSH Workshop on Work, Smoking, & Health. Washington, DC., June 15-16, 2000.

Keynote Speaker: ETS Conference. Sponsored by the Attleboro Tobacco Control Program, Attleboro, MA, June 20, 2000.

Deposed in *People of the State of California v. Philip Morris Inc., et al.*, San Diego, CA, August 3,4, 2000.

Presented Poster Paper: Restaurant Passive Smoking: Exposure, Dose, Risk, & Control. Session: Environmental Tobacco Smoke in the Worksite II, Weds. Aug 9. 11th World Conference on Tobacco or Health, Chicago, IL August 6-11, 2000.

Symposium Co-chair, and Invited Paper: Predicting Environmental Tobacco Smoke Exposures and Risks of Restaurant, Bar, and Casino Workers. Session: "Where there's smoke, there's ire: Environmental Tobacco Smoke in the Home and Worksite." International Society of Environmental Epidemiology Annual Conference, Buffalo, NY August 20-25, 2000.

Invited Lecturer: *Science, Epidemiology, Economics, and Legal Implications of Clean Indoor Air Policy*. Tobacco Use Prevention Training Conference, Denver Colorado, sponsored by the University of North Carolina Center for Health Promotion and Disease Prevention, Sept. 18, 2000.

Invited Speaker: *The Problem of Passive Smoking*. New Jersey Health Officer's Annual Meeting, sponsored by the New Jersey Dept. of Health & Senior Service. Rutgers University Cook College Center, New Brunswick, NJ. Sept. 21, 2000.

Panelist: Expert Review Panel - Protection From Involuntary Exposure to Environmental Tobacco Smoke in Ontario - A review of the evidence regarding best practices. Sponsored by the Ontario Tobacco Research Unit. Toronto, Ontario, Canada. October 3, 2000.

Radio Interview: ETS in the Hospitality Industry. *Mornings 936 ABC*. Hobart, Tasmania, Australia. October 11, 2000.

Presented research paper, "Predicting environmental tobacco smoke concentrations in California homes." Paper 5E-04p, Session: Environmental tobacco

smoke: determining concentrations & assessing exposures. . JL Repace, WR Ott, NE Klepeis and LA Wallace. 10th Annual Conference of the International Society of Exposure Analysis, Oct 24-27, 2000, Asilomar, Monterey, CA.

Dec. 1, 2000. ETS & Ventilation teleconference with Regina, Saskatchewan, Canada, City Council. Sponsored by the Regina Regional Health Authority.

Dec. 4-5, 2000. ETS Formal Lecture, Informal breakfast presentation to Winnipeg City Council; CBC TV and radio interviews and debates, Winnipeg, Manitoba, Canada. Sponsored by the Winnipeg Regional Health Authority.

Dec. 13, 2000. Testified in Warren v. Keane 93 Civ. 6018 (JES). ETS Litigation involving 3 prisoners placed at risk from secondhand smoke. US District Court, Southern District of New York. New York, NY.

2001

8 Jan 2001. Deposed in McLaurin v. Strack. 97-CV-1765 (WHP)(S.D.N.Y.). ETS Litigation involving a prisoner placed at risk from secondhand smoke in the New York State Prison System. New York, NY. US District Court, Southern District of New York. New York, NY.

18 January 2001. Deposed in Duncan v. Northwest. C98-130Z US District Court, Western District of Washington.

20 Feb 2001. Testified in Reilly v. Grayson. Case No. 95-76362, U.S. District Court, Eastern District of Michigan, Southern Division, involving a prisoner placed at risk from secondhand smoke in the Michigan State Prison System.

27 Feb 2001. Keynote Speaker. Secondhand Smoke Taking a Closer Look. A Symposium, with James Repace, MSc. Sponsored by the Marion County, Indiana, Health Dept. Indianapolis, IN, the Dept. of Public Health of Indiana University (Perdue), etc.

1 March 2001. Testimony presented to the Health Committee of the New York City Council, concerning expansion of the New York City Smoke-Free Air Act. Sponsored by the American Cancer Society. New York, NY.

5 March 2001. Lecture on Secondhand Smoke, Tobacco Cessation Conference co-sponsored by the University of Minnesota & Blue Cross, St. Paul, MN.

16 March 2001. Expert Testimony in Reilly v. Grayson, Case No. 95-76362, U.S. District Court, Eastern District of Michigan, Southern Division, Detroit.

22 March 2001. Lecture to the Minot, ND City Council on Secondhand Smoke. Minot, ND. Multimedia interviews.

5 April 2001. Multimedia Press Conference on Secondhand Smoke. Ottawa, Canada, sponsored by the Ottawa-Carleton Council on Smoking and Health.

6 April 2001. Testimony on a by-law to ban Secondhand Smoke in all workplaces, before the Ottawa City Council, Ottawa, Canada.

23-27 April 2001. Public Forums on Secondhand Smoke: Tulsa OK, Enid OK, Oklahoma City, Mc Alister OK, Lawton OK, Governor's Task Force, Oklahoma City. Multimedia (radio, TV, print) Interviews, including KOFM, KGWA, KTOK, et al.

30 April 2001. Ad Hoc Peer Reviewer, Epidemiology Review Panel. California Tobacco-Related Disease Research Program, San Francisco, CA.

3 May 2001. Seminar on Secondhand Smoke. Dept. of Environmental Health Sciences, School of Hygiene & Public Health, Johns Hopkins University, Baltimore, MD.

14-16 May 2001. Consultation for Hong Kong Council on Smoking & Health (HKCOSH). May 14: 2001 World No Tobacco Day Programme, *Tobacco Industry Disinformation* - Briefing for Government Officials and the Public, Hospital Authority HQ, Kowloon; May 15: Multimedia Press Conference on *Hong Kong Catering Workers' Cotinine Study*; **Study shows catering workers at high risk of heart disease and lung cancer from passive smoking**; May 16: Passive smoking: *The big picture: monitoring and risk assessment: what should we be doing next?* Hong Kong Council on Smoking & Health - A multidisciplinary seminar with HKCOSH Research Committee, HK Environmental Protection Department, University of Hong Kong Department of Community Medicine and Medical and Health Research Network. Hong Kong, China.

29-30 May 2001. Keynote Speech: Outdoor Tobacco Smoke/Secondhand Smoke and Ventilation. World No Tobacco Day National Conference, San Diego, CA. Sponsored by the California Dept. of Health. Keynote Speech: Outdoor Tobacco Smoke/Secondhand Smoke and Ventilation. San Diego, CA.

July 2001. Review of my report on why ventilation can't control tobacco smoke, done for the California Department of Health, by the California Tobacco-Related Disease Program (TRDRP), entitled, "The Ventilation Lie," by Jeffrey Cheek, in *Burning Issues*, TRDRP Newsletter, Volume 4, No. 1.

31 July 2001. Invited Speaker: Clean Indoor Air Seminar -- Review of the Tobacco Industry Ventilation Strategy. Moving Tobacco Control Forward - Surveillance and Evaluation Workshop. Sponsored by the U.S. Centers for Disease Control & Prevention. July 31-August 2, 2001, Atlanta, GA.

6 August 2001. Videotaped for “Clearing the Air in Minnesota,” a community-action video about the dangers of secondhand smoke. Featured speaker at “Ventilation 101: Everything you need to know to counter ventilation arguments,” for local tobacco control advocates, Sponsored by Blue Cross - Blue Shield of Minnesota, St. Paul, MN.

20 August 2001. Invited Seminar Presentation, Hazard, Exposure, Dose, Risk, and Control of Passive Smoking. Clean Indoor Air Policies Course, August 19-24, 2001, Tobacco Use Prevention Training Institute, Co-sponsored by the US Centers for Disease Control and Prevention, and the University of North Carolina (Chapel Hill) Center for Health Promotion and Disease Prevention. Portland OR.

5 Sept 2001. Radio Interview: CKNW Radio, Vancouver, BC, Canada. Talk Radio Interview on Secondhand Smoke Hazards and Lack of Efficacy of Ventilation Controls.

1 October 2001. Invited Plenary Speaker. Clearing the Air Smoke-Free BC Protect Workers’ Health Public Symposium: Why BC need to Control second-hand smoke. Coast Plaza Hotel, Vancouver, BC. Sponsored by Clean Air Coalition of BC (BC & Yukon Heart & Stroke Foundation, Canadian Cancer Society, & BC & Yukon Lung Association).

2 October 2001. Invited Plenary Speaker. Clearing the Air Smoke-Free BC Protect Workers’ Health Public Symposium: National & International Discussion of Secondhand Smoke Issues. Hyatt Regency Hotel, Vancouver, BC. Sponsored by Clean Air Coalition of BC. Interview with CBC Radio.

17 October 2001. Deposed in Mullen et al. v. Treasure Chest, Riverboat Casino Workers. New York, NY. Case settled in New Orleans, Dec. 2001.

22-26 October 2001. Consultation for American Lung Association of Colorado: 22 Oct., Colorado Springs: Lecture: Risks and Control of Secondhand Smoke; Interviews: FM Radio: KRDO, KSKZ; KKFM, KCLI, KMOM, KVUU, KSPK; TV: CBS-11. 23 Oct., Pueblo: Lecture; 2 Discussions: Risks and Control of Secondhand Smoke; Interviews: Radio – KCSJ-AM, KNKN-FM; Print: Alamosa Valley Courier; Pueblo Chieftain. 24 Oct., Denver: Lecture; Discussion: Risks and Control of Secondhand Smoke; Interviews: Print - The Statesman. 25 Oct., Ft. Collins: 3 Discussions: Risks and Control of Secondhand Smoke; Interviews: Print: Coloradoan, CSU Collegian, No. Colo. Business Report; Radio: KUNC-FM. 26 Oct., Grand Junction: Lecture; Discussion: Risks and Control of Secondhand Smoke; Radio: KAFM; TV: KKCO, Ch 11; KREX, Ch 5.

27 November 2001. Invited Presentation: Secondhand Smoke & Ventilation, 2001 National Conference on Tobacco or Health, New Orleans, LA. Sponsored by the US Centers for Disease Control, Robt. Wood Johnson Foundation, U.S. EPA, etc., etc.

12 December 2001. Keynote Speaker Hazards and Control of Secondhand Smoke: Tobacco Control and Prevention: A Case for Clean Indoor Air Conference. Sponsored

by the Kentucky Public Health Association, National Association of City, County Health Officials, and the University of Kentucky Prevention Research Center. Lexington, KY.

2002

17-18 January 2002. Deposed in the matter of Jett v. Philip Morris, Inc., et al. (Flight attendants' litigation) Miami, FL Case # 00-01680-CA-22, 11th Judicial Circuit, Miami-Dade County FL.

23 January 2002. Why Ventilation Cannot Control Tobacco Smoke. Special Seminar co-sponsored by the Center for Tobacco Control Research and Education and the UCSF Cancer Center. University of California, San Francisco, San Francisco, CA.

25 January 2002. Tobacco Industry Disinformation, Moles, and Fronts. Special Seminar co-sponsored by the Center for Tobacco Control Research and Education and the UCSF Cancer Center. University of California, San Francisco, San Francisco, CA.

29 January 2002. Science-based Secondhand Smoke Policies. Seminar, Selected topics in Tobacco Science. Oregon Tobacco Prevention & Education Program, Portland, OR.

11-13 February 2002. Consultation for Office of Tobacco Control, Republic of Ireland, Dublin: Op-Ed, Irish Times; Media interviews: Six One TV News (RTE); TV3 Breakfast Show; Talk Radio Interview; Office of Tobacco Control Board Presentation; ETS Seminars: Environmental Health; Health & Safety; Academics at Dublin Castle. Briefing for Members of Parliament at the Dail.

22 March 2002. Keynote Speaker, *Tobacco Smoke and Ventilation*. Ontario Tobacco Control Conference, March 21-23, 2002, Toronto, Ontario, Canada, sponsored by Cancer Care Ontario, National Clearinghouse on Tobacco & Health, Ontario Tobacco-Free Network, Ontario Tobacco Research Unit, & Smoking & Health Action Foundation.

27 March 2002. Plenary Speaker: *The Scientific Basis for Smoking Bans*; Workshop Speaker: *Tobacco Smoke & Ventilation*. Washington State Department of Health Tobacco Prevention & Control Annual Meeting, Seattle, Washington, March 27-28.

11 April 2002. Keynote Speaker: EPA's Secondhand Smoke Policy Development; Recipient, *Dr. William Cahan Distinguished Professor Award*. Inaugural Conference, Flight Attendant Medical Research Institute (FAMRI), Miami, FL April 10-12th, 2002.

25 April 2002. Guest lecturer: *A history of U.S. federal secondhand smoke policy development*. Institute for Health Policy & Dept. of Social & Behavioral Sciences, University of California, San Francisco, CA.

9 May 2002. Testimony before the Health Committee of the New Jersey Senate, Trenton, NJ, concerning Senate bills S1210 and S 444 to repeal pre-emption, sponsored by the New Jersey Breathes Coalition.

7 June 2002. Presentation to the Scientific Advisory Panel and Staff for the Robert Wood Johnson Foundation Innovator Award, Chicago, IL.

21 June 2002. Invited Keynote Speaker: Seminar on the Risks and Control of Secondhand Smoke for State Tobacco Control Officers. Teen Tobacco Summit Conference, sponsored by the Florida State Dept. of Health, Clearwater FL.

27 June 2002. Telephonic Testimony: Labor Arbitration: *Cincinnati, Inc. v. Cincinnati Shaper Independent Union, Grievant A. Strunks*. FMCS CASE # 020222-054586.

1 July 2002. Appointed Visiting Clinical Assistant Professor, Dept. of Family Medicine and Community Health, Tufts University School of Medicine, Boston, MA.

2 July 2002. Presented Oral/Poster Paper, *Passive Smoking Exposure and Risk for Irish Bar Staff*, by M. Mulcahy and JL Repace, at the 9th International Conference on Indoor Air Quality and Climate, Monterey, California, June 30 – July 5, 2002.

11 July 2002. Peer Reviewer, National Cancer Institute Grant Panel PAR 01-063 “Review of Tobacco Industry Documents.” Via teleconference.

5 August 2002. Consultation with Office of Tobacco Control, City of New York, NY.

6 August 2002. Deposed in *Alamin v. Coefield et al.*, 96 Civ. 1630; *Alamin v. Coombe et al.*, 97 Civ. 37340, US District Court, Southern District of New York. New York, NY.

13 August 2002. Presented Poster Paper, ANALYSIS OF DOSE, EXPOSURE, AND RISK FOR HONG KONG CATERING WORKERS EXPOSED TO SECONDHAND SMOKE AT WORK ONLY , at the joint 12th Conference of the International Society of Exposure Analysis (ISEA) and the 14th Conference of the International Society for Environmental Epidemiology, August 11-15, 2002, Vancouver, BC Canada.

10 October 2002. Testified before the Health Committee of the New York City Council on a bill to ban smoking in all restaurants and bars. N.Y., N.Y. Sponsored by the SmokeFree City Coalition.

15 November 2002. Consultation for American Lung Association of Delaware. Field Study of Secondhand Smoke in the Hospitality Industry Before the Smoking Ban. Wilmington, DE.

19 Dec 2002. Interview: No-smoking zone growing. The statewide playground ban adds a 25-foot buffer area. By John Hill -- Sacramento Bee Capitol Bureau, Published Tuesday, December 31, 2002.

2003

24 January 2003. Consultation for American Lung Association of Delaware. Followup Field Study of Secondhand Smoke in the Hospitality Industry After the Smoking Ban. Wilmington, DE.

27 February 2003. Press Conference and Testimony before the Senate Finance Committee, Maryland Legislature, on SB 261, Clean Indoor Air Act of 2003.

3 March 2003. Press Conference presentation on the Delaware Hospitality Industry Air Quality Survey, American Heart Association, Wilmington, DE.

6 March 2003. Presentation to the Arizona Tobacco Prevention Coalition on the Delaware Hospitality Industry Air Quality Survey, Tempe, Arizona.

13 March 2003. Invited lecture on the Delaware Hospitality Industry Air Quality Survey, Center for Tobacco Control and Policy, University of California, San Francisco, CA.

8-10 April 2003. Consultation for ASH of The United Kingdom: Risk Assessment Report on Workplace Deaths in the UK from passive smoking; media interviews on National Radio: BBC Radio 5 Live; regional and local radio: BBC Wales; BBC Northampton; BBC Scotland; Viking FM. Invited Lecture at the 'Don't' Choke on the Smoke' Conference held on 9th April 2003 in London, sponsored by the Trades Union Congress and the Chartered Institute of Environmental Health. Invited testimony before a Parliamentary meeting, UK House of Commons All Party Parliamentary Group on Smoking and Health, London, England, UK.

18 April 2003. Consultation for Massachusetts Coalition for a Healthy Future: Measurements of Secondhand Smoke in 6 Boston Pubs prior to a smoking ban.

29 April 2003. Guest Lecturer on Secondhand Smoke. Dept. of Environmental Health Sciences, School of Hygiene & Public Health, Johns Hopkins University, Baltimore, MD.

12 June 2003. Guest Speaker: Risk Assessment of Passive Smoking in the U.K. Co-sponsored by the CDC National Center for Environmental Monitoring, the Agency for Toxic Substances and Disease Registry (ATSDR), and the Office on Smoking and Health (CDC), ATSDR HQ, Atlanta, GA.

12 June 2003. Invited Lecturer: Secondhand Smoke tutorial: Cotinine in hospitality workers and measurements of tobacco smoke pollution in hospitality venues. DeKalb County Dept. of Health, Decatur, GA. Public meeting on DeKalb smoking ordinance.

3-8 August 2003. Invited speaker: Main Session on Passive Smoking; Workshop on Passive Smoking; Press Conference on Passive Smoking. World Conference on Tobacco or Health, Helsinki, Finland. Sponsored by the Flight Attendant Medical Research Institute Distinguished Professor Award.

21-25 September 2003. Presented Poster, Secondhand Smoke in the Hospitality Industry: Indoor Air Quality Before & After a Smoking Ban, J.L. Repace. 13th Annual Conference, International Society for Exposure Analysis, Stresa, Lago Maggiore, Italy. Sponsored by the Robert Wood Johnson Foundation Innovator Award.

21-25 September 2003. Presented Poster, Modeling and Measuring Indoor Air Pollution from Multiple Cigarettes Smoked in Residential Settings, Wayne Ott and James Repace. International Society for Exposure Analysis, Stresa, Italy. Sponsored by the Flight Attendant Medical Research Institute Distinguished Professor Award.

26 September 2003. Invited Lecture: Secondhand Smoke: Exposure, Dose, Risk, & Control. Tobacco Prevention Working Unit of the National Cancer Institute of Milan. Milan, Italy. Presented with "Certificate of Excellence For Innovation in Smoke Studies." Sponsored by the Flight Attendant Medical Research Institute Distinguished Professor Award.

30 Sept. 2003. Interview: Smokers' houses sit on market - USA Today, Tuesday, September 30, 2003 By Maureen Milford, The (Wilmington, Del.) News Journal.

October 1-3, 2003. Invited Presentation. Secondhand Smoke: The Ventilation Myth, Legal Implications, & Economic Consequences of Exposure. Seminar on the Economics of Tobacco Control, Dublin, Ireland. Sponsored by the Irish Office of Tobacco Control.

3 October 2003. Interview: Expert warns on hazards to workers in pubs. By Dr Muiris Houston, Medical Correspondent. The Irish Times (Dublin).

7 October 2003. Invited Presentation & Distinguished Service Award: Town Hall Meeting to Clear the Air From Secondhand Smoke. Sponsored by the American Lung Association of Maryland.

14 October 2003. Invited Presentation on Secondhand smoke exposure, risk, control and economics of smoking bans: Sponsored by Smoke-free Indiana program, Valparaiso University, Valparaiso, Indiana. Interview: NW Indiana Times (online): State smoking numbers shocking ... B. Rolek, Times Correspondent.

27-29 October 2003. Consultation for Southeast Health Unit Tobacco Use Prevention Program, Douglas, GA. Presentations in: Statesboro, Douglas, Waycross.

25 November 2003. Interview: Delaware Celebrates First Anniversary of Smokefree Workplace Law - Business good, compliance high; Law will reduce state's high cancer rate

News-Journal, Delaware.

28 November 2003. Interview: Smoking ban hurts some businesses, not others. by M. Donegan, Dover (DE) Post.

3 December 2003. Invited testimony before the Tacoma-Pierce County Board of Health re: Regulation prohibiting smoking in public places and places of employment.

4 December 2003. Testimony reported in: The Seattle Times, Metro Edition: "Pierce County adopts sweeping ban on smoking; legal fight ahead, Restaurant association vows to sue," by S. Daughton, P. 1.

9 December 2003. Interviews with Boston Herald, Radio, etc. on Boston AQ Study.

10 December 2003. Invited Plenary Talk at National Conference on Tobacco or Health: Hospitality Industry Air Quality Before and After Smoking Bans in Wilmington, DE and Boston, MA. Main Session Paper Presented: Smoking Bans in MA Bars and Restaurants – Impact on Air Quality, Workers' Doses of SHS, and Health.

11 December 2003. Invited Discussant: "Meet the Experts." Secondhand Smoke and the Ventilation Myth.

22 December 2003. TV News Interview: New research may bolster workplace smoking bans CTV News (Canada): Avis Favaro on new research that's putting the dangers of secondhand smoke in much sharper focus.

2004

20 January 2004. Press Conference: The Black Dog Pub Study – A Failure of Displacement Ventilation to Control Secondhand Smoke. Toronto, Canada, sponsored by Cancer Care Ontario and the Ontario Campaign Against Tobacco.

27 January 2004. Invited Seminar Presentation: Application of ASHRAE Standard 62's Indoor Air Quality Procedure to ASHRAE-Standard Ventilated Smoking Venues. *Session AN04-SEM 47 S2: Standard 62's Comfort-Only Approach to Smoking Spaces*, Winter 2004 Conference, Anaheim, CA. Supported by the Flight Attendant Medical Research Institute Distinguished Professor Award.

29 January 2004. Invited Presentation: Application of ASHRAE Standard 62's Indoor Air Quality Procedure to Secondhand Smoke in the Hospitality Industry. The Center for Tobacco Control Research and Education University of California, San Francisco, a World Health Organization Collaborating Center. Supported by the Flight Attendant Medical Research Institute Distinguished Professor Award.

11 March 2004. Invited Talk, on Secondhand Smoke Exposure and Control, to Interfaith Partnership Campaign Against Tobacco; Press Conference on Assembly Bill 315, "Clean Indoor Air Act," New Jersey State Legislature, Trenton NJ. Sponsored by *New Jersey Breathes*, Medical Society of New Jersey.

15 March 2004. Why Air Cleaning Cannot Control Secondhand Smoke. Invited Briefing, NY State Legislative Committee; Press Conference, NY State Legislature, Sponsored by The American Cancer Society, Eastern Region, Albany, NY.

19 April 2004. Invited Article on secondhand smoke: *Dagbladet*, Oslo, Norway.

20 April 2004. Invited Lecture, Dose-Response and Control Issues for Secondhand Smoke. Presented at the Norwegian National Tobacco Control Conference, Sponsored by The Norwegian Office of Tobacco Control, Oslo, Norway.

26 April 2004. Videoconference Briefing on **ESTIMATED MORTALITY FROM SECONDHAND SMOKE AMONG CLUB, PUB, TAVERN, AND BAR WORKERS IN NEW SOUTH WALES, AUSTRALIA**, by James L. Repace, MSc. for The Cancer Council of New South Wales, Sydney, Australia. (from Annapolis, MD).

27 April 2004. Videotaped Interview for 7:30 Report, Australian Broadcasting Corporation, Sydney, Australia, on Mortality Among Hospitality Industry Workers in New South Wales. ABC Studio, National Press Club, Washington, DC.

28 April 2004. Video Press Conference Briefing on **ESTIMATED MORTALITY FROM SECONDHAND SMOKE AMONG CLUB, PUB, TAVERN, AND BAR WORKERS IN NEW SOUTH WALES, AUSTRALIA**, sponsored by The Cancer Council of New South Wales, Sydney, Australia. (from Annapolis, MD), for Australian Press in Sydney, Australia.

12 May 2004. Invited presentation: Translation of Secondhand Smoke Science into Policy. Annual Conference of the Flight Attendant Medical Research Institute: Miami, FL.

19 May 2004. Project Review: Secondhand Smoke in the Hospitality Industry. Annual Meeting of the *Innovators' Combating Substance Abuse* Program, Robert Wood Johnson Foundation, Chicago, IL.

19 June 2004. Seeing Through The Smoke. Letter to the Editor supporting over human rights over property rights on secondhand smoke in the Washington, DC, hospitality industry. The Washington Post, Free For All, A21.

27 August 2004. Who's Protecting Workers' Health? Letter to the Editor criticizing the White House Office of Management and Budget and the Occupational Safety & Health Administration's abandonment of the proposed rule to regulate secondhand smoke in the workplace. The Washington Post, p. A20.

10-21 September 2004+. Interviews & Stories on my JOEM paper on air pollution in the hospitality industry before and after a smoking ban: NY Times, Washington Post, Associated Press, International Herald Tribune, South China Morning Post, etc. 500+ stories on this work in the 50 top media markets (Radio, TV, Print, Internet) (source: M. Booth & Associates, NYC). Plus press release by the American College of Occupational & Environmental Medicine.

15 September 2004. Presentation to Gwinnett County Special Committee on Smoke-free workplace laws. Lawrenceville, GA, 15 September 2004.

30 September 2004. Legal deposition, in the matter of *Thaxton vs. Norfolk Southern Railway et al.* (lung cancer from passive smoking).

17-21 October 2004. Presented paper: Indoor and outdoor carcinogen pollution on a cruise ship. 14th Annual Conference of the International Society of Exposure Analysis, Philadelphia, PA. Supported by the Flight Attendant Medical Research Institute Distinguished Professor Award.

19 December 2004. Interview with St. Paul, MN, Pioneer Press (Carried online at TwinCities.com, Pioneer Press), on interpreting nicotine measurements in restaurants in terms of air quality. "No Breathing Room," by Debra O'Connor.

30 December 2004. Radio Interview on secondhand smoke in casinos on KNPR (88.9 FM), Las Vegas, NV – "State of Nevada," 1hr. daily public affairs program.

23 March 2005. Testimony on St. Louis County, Missouri, proposed "Indoor Clean Air Act", sponsored by Missouri GASP. TV Interviews: KSDK 5, KMOV 4, KPLR 11.

3 May 2005. Invited seminar on measurements of outdoor air pollution from secondhand smoke. Sponsored by the Dept. of Health Services, University of Maryland Baltimore County, Catonsville, MD.

12 May 2005. Poster Presentation: Rosetta Stone Equations for Predicting Atmospheric & Biomarkers for Secondhand Smoke; Outdoor Air Pollution From Secondhand Smoke; The Bismarck, ND Air Quality Study. 4th Annual meeting of the Flight Attendant Medical Research Institute, Miami Beach, FL May 11-13 2005.

17 May 2005. Invited Lecturer and Panelist: Conférence scientifique: ENJEUX ACTUELS ET TABAGISME. (Scientific Conference on CURRENT ISSUES AND TOBACCO USE.) Organized by the Institut national de santé publique du Québec (Quebec National Public Health Institute), Montreal, Canada. Press Interviews: May 20, Canadian Press; May 19, La Presse; Le Devoir.

19-20 May 2005. Invited Lecturer: The Rosetta Stone Equations for predicting and intercorrelating secondhand smoke atmospheric and biological markers. WORKSHOP

ON BIOLOGICAL & ATMOSPHERIC MEASUREMENT OF TOBACCO USE AND EXPOSURE IN TRANSDISCIPLINARY RESEARCH, Organized by the Ontario Tobacco Research Unit. TORONTO, CANADA.