



Allen J. Parmet, MD, MPH

Curriculum vitae as of January 1, 2019

Date of Birth: November 25, 1950

Place of Birth: Kansas City, Missouri NPI: 1760425508

Education

Undergraduate:	United States Air Force Academy - B.S. 1972
Medical School:	University of Kansas - M.D. 1976
Internship:	David Grant Medical Center - 1977 Travis AFB, California
Residency:	Phase I - University of Texas School of Public Health at Houston - M.P.H. 1981
	Phase II - USAF School of Aerospace Medicine Brooks AFB, Texas - 1982
Fellowship:	Space Medicine - NASA/Johnson Space Center, Houston, Texas - 1982
Post-Graduate Work:	University of Kansas School of Medicine, Department of Toxicology 1995-98

License

Kansas	#04-17322	December 9, 1977
Texas	#F1185	June 12, 1978
Missouri	#R2G63	August 22, 1986
Colorado	#31655	April 9, 1992

Educational Short Courses

Aerospace Medicine Primary, USAF School of Aerospace Medicine
Brooks AFB, TX, 1977.

Combat Casualty Care Course, Brooke Army Medical Center, Ft.
Sam Houston, TX, 1982.

Forensic Accident Investigation, Armed Forces Institute of
Pathology, Walter Reed Army Institute of Research,
Washington, D.C., 1982.

Crash Investigators Course, Arizona State University, 1982.

Aircraft Accident Investigation Course, University of Southern California Safety Systems Institute, Los Angeles, 1988.

Certificates & Examinations

National Board of Medical Examiners Certificate # 176115
American Board of Preventive Medicine Certification:
Aerospace Medicine - Diplomat January 27, 1983
Occupational Medicine - Diplomat January 31, 1989
Medical Review Officer Certification Council - June 13, 1993
Recertification-September 10, 2000
Recertification-July 16, 2006
Recertification-August 24, 2012:12-09712

Medical Job History

2012- Medical Consultant, Republic Airlines

2009- Medical Consultant, Delta Airlines

2006- Missouri-1 Disaster Medical Assistance Team physician. Federal Team as Missouri-1 DMAT, renamed in 2017 as Midwest-1 DMAT. January-February 2010-Federally activated by Public Health Service/National Disaster Management System and deployed to Haiti, Chief of Staff, GHESKIO Field Hospital. March 2011-Federally activated by Public Health Service/National Disaster Management System and deployed in response to the Japan Tohoku earthquake/tsunami, Joplin MO tornado May 2012, Hurricane Harvey 2017, Hurricane Maria 2017, Hurricane Florence 2018, Hurricane Michael 2018.

2006-09 Medical Consultant, Airborne Express/ABX

2005- Medical Consultant, Hallmark Cards

1997-2012 Medical Director, Employee Health Service, St. Luke's Hospital

1995- Private practice of Occupational Medicine in Kansas City, MO

1993 Appointed FAA Senior Aviation Medical Examiner

1994 - 2001 Medical Director, Trans World Airlines

1993 - 95 Medical Director, St. Luke's Occupational Medicine, Kansas City, Missouri

- 1987 - 2011 Associate Editor, **Aviation, Space and Environmental Medicine**
- 1968-1992 United States Air Force:**
- 1987 - 92 Professor, Department of Aerospace Medicine, United States Air Force School of Aerospace Medicine, Brooks AFB, TX:
- Course Director, Aerospace Medicine Primary, 1987-91.
- Course Director, Operational Aeromedical Problems, 1988-92.
- Course Director, Health Professions Scholarship Program, 1990-92.
- Course Director, Aeromedical Readiness and Management Course, 1990-92.
- Course Director, Global Medicine Course, 1991 & 92.
- Deputy Director, Residency in Aerospace Medicine, 1989 - 1992.
- 1985 - 87 Associate Professor of Health Sciences, Chapman College Extension, Los Angeles, CA. Courses taught: Epidemiology, Genetics, Infectious Disease.
- 1984 - 87 Space Transportation System Medical Director/Chief of Aerospace Medicine, Vandenberg AFB, CA
- 1982 - 84 Chief of Flight Evaluations, School of Aerospace Medicine, Brooks AFB, TX
- 1979 - 80 Flight Surgeon, Randolph AFB Clinic, TX
- 1977 Appointed FAA Aviation Medical Examiner
- 1977 - 79 Flight Surgeon, Office Training School Clinic, Lackland AFB, TX
- 1973 - 76 Air Force Institute of Technology
- 1972 - 73 25th NORAD
- 1971 39 ARRS, 366 TFW, DaNang, RVN.

Other Activities

- 2003 - 04 Co-investigator, Vaccinia (Smallpox) vaccine study, Centers for Disease Prevention and Control
- 2002-5 Member, Institutional Animal Health and Safety Committee, University of Missouri at Kansas City
- 2001 Member, NIOSH Workshop, Bronchiolitis Obliterans in New Occupational Settings: Developing a Clinical and Public Health Approach
- 1998-99 Co-investigator, Inhaled zanamivir suppression of influenza clinical trial, Glaxo-Wellcome
- 1998 - American Society of Aerospace Medicine Specialists
President 1999-2000
Vice-President 1998-99
Chair, Ethics Committee 2001-15, emeritus member 2016-
- 1998 - Co-investigator, Pentavalent Botulism vaccine study, Centers for Disease Prevention and Control
- 1998 - 99 Medical Researcher, Neurobehavioral effects of pyridostigmine, DoD
- 1995- 2001 Airline Transport Association Medical Committee
Vice Chairman 1999
Chairman 2000
- Aerospace Medical Association
- 1982 - 92 Member, Education and Training Committee;
- 1991 - Member, Awards Committee (1992 -)
2002-2008 Chairman, Tuttle Award Subcommittee
- 2017 - 20 Council Member-at-Large
- 1984 - 87 Member, NASA/USAF Space Transportation System Personnel Assurance program Review Committee
- 1984 - 97 Series Editor - Cases From the Aerospace Medicine Residents' Teaching File in Aviation Space and Environmental Medicine
- 1986 - 89 Member, History and Archives Committee;
Aerospace Medical Association
- 1987 - 89 Chairman, Reinartz Education and Training
1990 - 92 Committee; Society of USAF Flight Surgeons

- 1982 - 86 Member, USAF Manned Spaceflight Engineer Selection Panel
- 1987 - 91 Member, USAF Astronaut Nomination Panel
- 1987 - Member, USAF School of Aerospace Medicine Residency Advisory Committee
- 1993 - Senior Aviation Medical Examiner, Federal Aviation Administration
- 1992 - Great Plains College of Occupational and Environmental Medicine:
 President, 1996-97, 2010-11
 1st Vice-President, 1995-96, 2009-10
 2nd Vice-President, 1994-95, 2008-9
 Secretary-Treasurer, 1993-94, 2007-8
 National Delegate, 1997-2006
- 1992 - 94 Consultant, Mid-America Coalition on Health Care/Workers 'Compensation Task Group, Kansas City, Missouri
- 1993 - 96 Chairman, Occupational Medicine Section, St. Luke's Hospital Department of Medicine
- 1993 - 95 Member, Infection Control Committee, St. Luke's Hospital Department of Medicine
 2001 -
- 1995 - Chairman, Quality Assurance Committee, St. Luke's Hospital Department of Medicine
- 1996 -2001 Member, Medical Committee, Airline Transport Association
 Vice Chairman, 1999
 Chairman, 2000-
- 1998-99 Chairman, Scientific Committee, Civil Aviation Medical Association
- 2000-03 Chairman, Passenger Health Sub-Committee, Aerospace Medical Association
- 2002-4 Member, ASHRAE Committee on Indoor Air Quality.
- 2002-4 Co-investigator, Venezuelan Equine Encephalitis live, attenuated vaccine study, USAMRIID.

Honors

Fellow, American College of Preventive Medicine
Fellow, Aerospace Medical Association
Fellow, American College of Occupational and Environmental Medicine
Academician-International Association of Aviation and Space Medicine

Awards

Society of USAF Flight Surgeons Howard Unger Annual Award
For Best Publication - 1984
USAF Meritorious Service Medal - 1984
USAF Meritorious Service Medal, 1st OLC - 1987
USAF Meritorious Service Medal, 2nd OLC - 1992
Strategic Air Command Flight Surgeon of the Year - 1985
Peter T. Bohan Lecturer, University of Kansas - 1986
Outstanding Clinical Instructor for the Residency in
Aerospace Medicine - 1989
New Zealand/Patterson Trust Visiting Lecturer-1999
John A. Tamisea Award, Aerospace Medical Association-2001
Commander's Award, U. S. Air Force School of Aerospace Medicine-2004
American College of Occupational and Environmental Medicine-Health
Achievement in Occupational Medicine Award-2009
John Cahill Memorial Lecture in Aerospace Medicine, American
Osteopathic college of Occupational and Preventive Medicine-2019

Professional Associations

American Medical Association
Aerospace Medical Association
American Society of Aerospace Medicine Specialists
Civil Aviation Medical Association
Space Medicine Branch
American College of Occupational & Environmental Medicine
Great Plains College of Occupational & Environmental Medicine
American College of Preventive Medicine
American College of Forensic Examiners
International Academy of Aviation & Space Medicine
Society of Automotive Engineers

Academic Appointments

2004- Adjunct Instructor, Department of Applied Science and
Technology, Central Missouri State University, Warrensburg, MO.
2000- Adjunct Clinical Professor, Department of Preventive Medicine,
University of Kansas School of Medicine, Kansas City, KS
2000- Clinical Associate Professor, Department of Preventive Medicine
and Community Health, University of Texas Medical Branch at

Galveston, TX

- 1997 - Adjunct Clinical Faculty, University of Missouri at Kansas City School of Medicine, MO
- 1995 - Contract Faculty, Viterbi School of Engineering, Institute of Safety and Systems Management, University of Southern California, Los Angeles, California
- 1992 - 2012 Clinical Faculty, Residency in Aerospace Medicine, Department of Aerospace Medicine, USAF School of Aerospace Medicine, Brooks AFB, TX
- 1990 - 94 Adjunct Assistant Professor of Preventive Medicine and Biometrics, F. Edward Hebert School of Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD
- 1988 - Associate Clinical Professor, Department of Community Medicine, Wright State University School of Medicine, Dayton, OH
- 1988 - 92 Adjunct Clinical Faculty, University of the Pacific School of Medicine, San Diego, CA
- 1987 - 92 Professor, Department of Aerospace Medicine, United States Air Force School of Aerospace Medicine, Brooks AFB, TX
- 1985 - 87 Associate Professor of Health Sciences, Chapman College, Los Angeles, CA

Publications (Sole or first author unless noted)

Original Articles

Treatment of Neovascular Glaucoma with Transscleral Panretinal Cryotherapy, (Co-author) Ophthalmology, Nov 1980, 87(11): 1106 - 1111

Nonsexual Transmission of Gonorrhea to a Child (with H.J. Lipsitt), New England Journal of Medicine, Aug 12, 1984, 470

A Clinical Challenge: How Many Ways Can You Skin A Cat, Aviation Space and Environmental Medicine, 55 (10): 946-6, 1984

Case from the Aerospace Medicine Residents' Teaching File #1: Toxic Peripheral Neuropathy, Sacroilitis and Mitral Valve Prolapse, Aviation Space and Environmental Medicine, 55 (11): 1057-69, 1984

Feedback # 1, Aviation Space and Environmental Medicine, 55 (11): 1059, 1984

Case from the Aerospace Medicine Residents' Teaching File # 2: On an aviator with an Acoustic Neuroma, Aviation Space and Environmental Medicine, 55 (12):1151-53, 1984

Feedback # 2: My Best Case, My Worst Case, Aviation Space and Environmental Medicine, 55 (12): 1153, 1984

Case from the Aerospace Medicine Residents' Teaching File # 3: An Aviator with Idiopathic Dilated Cardiomyopathy, Aviation Space and Environmental Medicine, 56 (1): 62-65, 1985

Feedback # 4, Aviation Space and Environmental Medicine, 56 (3): 274, 1985

Feedback # 7, Aviation Space and Environmental Medicine, 56 (11): 1118-1119, 1985

Feedback # 9, Aviation Space and Environmental Medicine, 56 (12): 1228, 1985

Space Shuttle at Vandenberg, Military Medicine, 150 (11): A1-A3, 1985

Drain That Swamp, Military Medicine, 151 (1): 60-63, 1986

Feedback # 8, Aviation Space and Environmental Medicine, 57 (1): 84, 1986

Letter, Aviation Space and Environmental Medicine, 57 (1): 85, 1986

Case from the Aerospace Medicine Residents' Teaching File # 14: An Aviator with Hodgkin's Disease, (Co-author) Aviation Space and Environmental Medicine,

57(8): 805-7, 1986

Feedback # 14, Aviation Space and Environmental Medicine, 57 (8): 807, 1986

Case from the Aerospace Medicine Residents' Teaching File # 15; An Aviator with Chronic Lymphocytic Leukemia, (Co-author) Aviation, Space and Environmental Medicine, 57 (11): 1109-11, 1986

Feedback # 15: Aviation, Immunity and AIDS, Aviation, Space and Environmental Medicine, 57 (110): 1111, 1986

Feedback # 17, Aviation, Space and Environmental Medicine, 58 (4): 381, 1987

The Early Birds of 1911, Aviation, Space and Environmental Medicine, 58 (3): 276-79, 1987

Feedback # 21, Aviation, Space and Environmental Medicine, 59 (1): 88, 1988

Case from the Aerospace Medicine Residents' Teaching File # 31: Methemoglobinemia, Aviation, Space and Environmental Medicine, 1989, 60 (5):465-6.

Case from the Aerospace Medicine Residents' Teaching File #45: An aviator with Melanoma (Co-author), Aviat. Space Environ. Med. 1991; 62(7):694-6.

Body Volume Changes During Simulated Microgravity: Auditory Changes, Segmental Fluid Redistribution, and Regional Hemodynamics, (with L.D. Montgomery), Annals of Biomedical Engineering, 1993, 21:417-433.

Sixty for Ten (Editorial), Aviation, Space and Environmental Medicine, 1994, 65:670.

Case from the Aerospace Medicine Residents' Teaching File # 60: An Aviator with Erythema Multiformae, Aviation, Space and Environmental Medicine, 1994, 65:672-73.

Survey of the American Board of Preventive Medicine Examination - 1994, Occupational and Environmental Medicine Report, 1995, 9(8): 66-67.

Case from the Aerospace Medicine Residents' Teaching File # 62: An Aviator with Lead Poisoning and Peripheral Neuropathy, Aviation, Space and Environmental Medicine 1995, 66(11):1107-1109.

Case From the Aerospace Medicine Residents' Teaching File # 63: Three Aviators Presenting with Hypoxic Symptoms as Manifestation of Underlying Systemic Diseases, Aviation, Space and Environmental Medicine, 1995, 66(12):1215-1217.

Epidemiology Research Report - Hip Fractures and Osteoporosis: Underdiagnosis or Undertreatment?, (with K. Huston), St. Luke's Medical Rounds, Kansas City, Sept. 26, 1997.

The Very Large Airplane: Safety, Health and Comfort Considerations, (ATA Medical Committee Report), Aviation, Space & Environmental Medicine, 1997, 68(10):943-46.

Tuberculosis on the Flight Deck, Aviation, Space & Environmental Medicine, 1997, 70(7):731-32.

Expediting Publication to Inform Political Debates, New England Journal of Medicine, 340:1682. 1999.

Rapidly Progressive Fixed Airway Obstructive Disease in Popcorn Workers: A New Occupational Pulmonary Illness? Journal of Occupational and Environmental Medicine, 44(3):, 2002.

Metaanalysis of Automatic External Defibrillators (AEDs) in Flight, Aerospace Medical Association Annual Scientific Meeting, Montreal, Canada, May 7, 2002.

Prevalence of Potentially Disqualifying Physical and Mental Conditions Among Commercial Airline Flight Attendants, (co-author), Aerospace Medical Association Annual Scientific Meeting, Montreal, Canada, May 8, 2002.

Bronchiolitis in Popcorn-Factory Workers, New England Journal of Medicine, 347(24): 1980-1, 2002.

Potentially Disqualifying Conditions Among Commercial Airline Flight Attendants by Organ System Category, (co-author), Aerospace Medical Association Annual Scientific Meeting, San Antonio, TX, May 6, 2003.

Psychiatric diagnoses among commercial airline flight attendants, (prime author WW Daltisch III), Aerospace Medical Association 75th Annual Scientific Meeting, Anchorage, AK, May 6, 2004.

Neurologic diagnoses among commercial airline flight attendants, (prime author WW Daltisch III), Aerospace Medical Association 76th Annual Scientific Meeting, Kansas City, MO, May 9, 2005.

Otolaryngologic diagnoses among commercial airline flight attendants, (prime author WW Daltisch III), Aerospace Medical Association 76th Annual Scientific Meeting, Orlando, FL, May 8, 2006.

Cardiovascular diagnoses among commercial airline flight attendants. (prime author WW Daltisch III), Aerospace Medical Association 78th Annual Scientific Meeting, New Orleans, Louisiana, May 19, 2007.

Dalitsch WW, Fishback JL, Parmet AJ, Bono GL, Mayo MS. Musculoskeletal Diagnoses among Commercial Airline Flight Attendants. Aerospace Medical Association 79th Annual Scientific Meeting, Boston, Massachusetts, May 15. 2008.

Criminal Prosecution of a Driver with Sleep Apnea, Journal of Occupational and Environmental Medicine. 50(1):1-2; 2008.

Dalitsch WW, Fishback JL, Parmet AJ, Bono GL, Mayo MS. Prevalence of HIV/AIDS Diagnoses among Commercial Airline Flight Attendants. Aerospace Medical Association 80th Annual Scientific Meeting, Los Angeles, California, May 5, 2009.

An Occupational Medicine Physician in the Haiti Disaster Response, JOEM, 52(5):466-468, 2010.

The Haiti Disaster Response. Flight Physician, 13(2):14, 2010.

Lerner D, Parmet AJ. Interventional Radiology: The Future of Surgery in Microgravity. Aerospace Medical Association 84th Annual Scientific Meeting, Chicago, IL, May 13, 2013. Full article published Aviat. Space Environ. Med 2013; 84:1-3.

Earhart-Noonan Mishap Investigation Panel of 1937. Aerospace Medical Association 84th Annual Scientific Meeting, Chicago, IL, May 17, 2013, revised and repeated 85th Annual Scientific Meeting, San Diego, CA, May 15, 2014.

Aeromedical Factors of the Earhart-Noonan Mishap. Aerospace Medical Association 84th Annual Scientific Meeting, Chicago, IL, May 17, 2013, revised and repeated 85th Annual Scientific Meeting, San Diego, CA, May 15, 2014.

EKGs and Cell Phone Interference. Flight Physician, 19(1):9, March 2016.

Lerner D, Parmet AJ. Technique for Performing Lumbar Puncture in Microgravity Using Portable Radiography. Aviat. Space Human Performance, 2016

Lerner D, Parmet AJ. Ultrasound Guided Lumbar Puncture and Remote Guidance for Potential In-Flight Evaluation of VIIP, Aviat. Space Human Performance, 2018.

Books, Chapters and Review Articles

Seasonal Protection through Voluntary Programs, Occupational Health and Safety, 50 (11):27-30, 1981

You're the Flight Surgeon, Aviation, Space and Environmental Medicine, May 53(5): 512, 1982

Chapter 25: Space Medicine in AFM 160-1, Aerospace Medicine, December 1983

AsMA Self-Assessment Program (Contributor), Aviation, Space and Environmental Medicine, 55 (2): 156, 1984

Heart Facts, Professional Pilot, Oct 1987, pg. 12.

Heart Facts Part 2, Professional Pilot, Dec 1987, pg. 32.

Aircraft Accident Search and Rescue (SAR) Operations, Aeromedical & Training Digest, Vol. 2, No. 3, July 1988

Chapter 24: Missile Medicine, in ARM 161-18, Flight Surgeon's Guide, JA Bishop, Ed, Department of Aerospace Medicine, Brooks AFB, TX, Jan 1989.

Chapter 25: Space Medicine (Co-author) in AFM 161-18, Flight Surgeon's Guide, JA Bishop, Ed, Department of Aerospace medicine, Brooks AFB, TX, Jan. 1989.

Study guide for Preventive Medicine Certification 1989, (Co-author with Nick A. Vlachos & Leland G. Wessel) OEM Health Information, Boston, MA, 1989.

TOP KNIFE # 24: Toxicologic and Radiation Hazards of Fighter Aviation Operations, (Videotape and notetaking guide), from TOP KNIFE video CME series, National Guard Bureau, Washington, D.C., Sept 1989.

Toxicology in Aviation, Aeromedical & Training Digest, Vol. 4, Issue 1, January 1990, Pg 43-47.

Toxicology Effects of Propellants and Fuels in Aviation Accidents, Aeromedical Training Institute, Warminster PA, Video Series #AS05, 1990.

Study Guide for Preventive Medicine Certification 1990, (Co-Author with Nick A. Vlachos & Leland G. Wessel) OEM Health Information, Boston, MA, 1990.

Flight Surgeons, MILITARY MEDICINE, 155(12):A4, 1990

Book Review: Journey into Space, ASEM, 1991, 62(2):182.

Book Review: Aviation Medicine, ASEM, 1991, 62(2):182.

Study Guide for Preventive Medicine Certification 1991, (Co-Author with Nick A. Vlachos & Leland G. Wessel) OEM Health Information, Boston, MA, 1991.

Chapter 24: Missile Medicine in AFM 161-18, Flight Surgeon's Guide, RC Whitton, Ed, Department of Aerospace Medicine, Brooks AFB, TX, Dec 1991.

Chapter 25: Space Medicine (Co-Author) in AFM 161-18, Flight Surgeon's Guide, RC Whitton, Ed, Department of Aerospace Medicine, Brooks AFB, Tx, Dec 1991.

Study Guide for Preventive Medicine Certification 1992, (Co-Author with Nick A. Vlachos & Leland G. Wessel) OEM Health Information, Boston, MA, 1992.

Study Guide for Preventive Medicine Certification 1993, (Co-Author with Nick A. Vlachos & Leland G. Wessel) OEM Health Information, Boston, MA, 1993.

Increased costs and rates of use in the California workers' compensation system as a result of self-referral by physicians. N Engl J Med. 1993 Apr 29;328(17):1276-7.

Book Review: Space Medicine & Physiology, ASEM, 65(6):583, 1994.

Book Review: Chemical Exposures, ASEM, 65(6):584, 1994.

Study Guide for Preventive Medicine Certification 1994, (Co-Author with Nick A. Vlachos & Leland G. Wessel) OEM Health Information, Boston, MA, 1994.

Book Review: Phantom Risk-Scientific Inference and the Law, ASEM, 65(7):677, 1994.

Repetitive Use Injury: Diagnosis, Treatment and Prevention, Kansas Medicine, 95(9):1193-4, 1994.

Book Review: Operation Crossroads, ASEM, 66(2):182, 1995.

Book Review: Textbook of Military Medicine-Occupational Health, ASEM, 66(2):182, 1995.

Medical Standards, AOPA Pilot, 38(2):24-25, 1995.

Study Guide for Preventive Medicine Certification 1995, (Co-Author with Nick A. Vlachos & C. Patrick Chalk) OEM Health Information, Beverly, MA, 1995.

Book Review: The Preastronauts, ASEM, 66(11): 1115, 1995.

Book Review: Dark Sun, The Making of the Hydrogen Bomb, ASEM, 67(2):188, 1996.

Book Review: Hunter's Occupational Medicine, 8th Edition, ASEM, 67(2):187, 1996.

Chapter 35: Aviation and the Environment. In **Fundamentals of Aerospace Medicine, 2nd Edition**, Edited by RL DeHart, Lea & Febiger, Philadelphia, 1996.

Study Guide for Preventive Medicine Certification 1996, (Co-Author with Nick A. Vlachos & C. Patrick Chalk) OEM Health Information, Beverly, MA, 1996.

Hepatitis A: Diagnosis, Treatment and Prevention, *Kansas Medicine*, 97(1):14-5, 1996.

Book Review: Occupational Medicine in Aviation, *ASEM*, 67(7):665, 1996.

Fatigue and Flight, *PLANE Safe*, 1(3):3-5, 1996.

Book Review: Toxic Exposures, *ASEM*, 68(2):165, 1997.

Book Review: Science, Nonscience and Nonsense, *ASEM*, 67(2):165, 1997.

Study Guide for Preventive Medicine Certification 1997, (Co-Author with Nick A. Vlachos & C. Patrick Chalk) OEM Health Information, Beverly, MA, 1997.

Book Review: Pilot Judgement and Resource Management, *ASEM*, 68(6):548, 1997.

Book Review: Toxicology, *ASEM*, 68(6):548, 1997.

Book Review: Why Buildings Fall Down, *ASEM*, 68(6):548, 1997.

Book Review: Dead Men Do Tell Tales, *ASEM*, 68(8):755, 1997.

Medical Aspects of Air Travel, *Audio-Digest Family Practice*, 44(31), August, 1997.

Cabin Air Quality, Part I, *Bulletin of the Civil Aviation Medical Association*, 7-11, August, 1997.

Book Review: Molecular Oncology, *ASEM*, 68(9):868, 1997.

Book Review: DOT Medical Examination, *ASEM*, 68(11):1056, 1997.

Book Review: Science and the Detective, *ASEM*, 68(11):1057, 1997.

Book Review: Bad Blood, *ASEM*, 68(11):1058-59, 1997.

Book Review: The Nazi Doctors, *ASEM*, 68(11):1059-60, 1997.

Book Review: Issues in International Occupational and Environmental Medicine, *ASEM*, 68(11):1057-58, 1997.

Vision, *PLANE Safe*, 2(3):14-16, 1997.

Don't Fly with a Cold, PLANE Safe, 2(4):8-9, 1998.

Cabin Air Quality, Part II, Bulletin of the Civil Aviation Medical Association, 3-6, January, 1998.

Book Review: Aircraft Crashworthiness, ASEM, 69(4), 421, 1998

Book Review: The Man Who Grew Two Breasts, ASEM 68(), 1997.

Clinical Aerospace Physiology Review for Aviation Medical Examiners, (Co-Author David Jones), Text (330 pgs), Video and Computer Program, CAMI, Oklahoma City, OK, 1998.

Book Review: The OEM Internet Companion, ASEM, 69(7):707, 1998.

Book Review: The Perfect Storm, ASEM, 69(7):708, 1998.

Book Review: The Island of the Color-blind, ASEM, 69(10):1015, 1998.

Book Review: A Life Aloft, ASEM, 69(10):1015, 1998.

Book Review: Epidemics and History, ASEM, 69(11):1118, 1998.

Hearing Protection: Stick it in your ear, David Clark, Inc. Web Site, <http://www.davidclark.com/hearprot.html>, 1998.

Tuberculosis in the cabin, PLANE Safe, 3(4):11-13, 1999

Book Review: Turbulent Skies, ASEM, 70(6):621, 1999.

Book Review: Biomarkers, ASEM, 70(6):621, 1999.

Book Review: Biomarkers and Occupational Health, ASEM, 70(6):621, 1999.

Case #1: Hypoxia & color vision in night flight (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #2: Hypoxia & COPD, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #3: Hypoxia & decompression (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #4: Hyperventilation flight (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #5: Decompression sickness: bends, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #6: Alternative medicine, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #7: Flying after diving-DCS prevention, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #8: Air embolism, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #9: Barotitis and barosinusitis, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #10: Delayed barotitis (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #11: Spatial disorientation: graveyard spin illusion, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #12: Coriolis illusion (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #13: Air sickness (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #14: Simulator sickness, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #15: Flicker vertigo, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #16: Acceleration induced loss of consciousness (G-LOC) (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #17: Low acceleration G-LOC (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #18: Noise Exposure (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #19: Vibration diseases, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #20: Laser exposure, Multimedia AME Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #21: Carbon monoxide poisoning, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #22: Heat stress, Multimedia AME Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #23: Information overload (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #24: Fatigue (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #25: Emotional stress (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #26: Caffeine Abuse, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #27: Adverse physiologic effects of smoking (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #28: Over the counter medications (co-author), Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #29: Alcohol consumption and performance, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Case #30: Post-mortem alcohol production, Multimedia AME Refresher Course, FAA/CAMI, Oklahoma City, OK, 1998.

Book Review: Guns, Germs and Steel, ASEM, 70(9):936, 1999.

Book Review: Lindbergh, ASEM, 70(9):936, 1999.

Tuberculosis on the Flight Deck, ASEM 70(8):817-8, 1999

Book Review: Unit 731 Testimony, ASEM, 70(9):945, 1999.

Book Review: Occupational Safety and Health Management, ASEM, 70(9):946,1999.

Book Review: Blind Man's Bluff, ASEM, 71(4):455, 2000.

Book Review: Towards Mach 2, ASEM, 71(4):456, 2000.

Book Review: Smithy, ASEM, 71(5):552, 2000.

Book Review: The New World of Mr. Tompkins, 71(5)553, 2000.

Book Review: Biohazard, 71(10):1068, 2000.

Book Review: Hard Landings, 71(11):1165, 2000.

Book Review: Science on Trial, 72(1):73, 2001.

Book Review: Dragonfly: NASA and the crisis aboard Mir, 72(2): 148, 2001.

Book Review: On-Site Occupational Health and Rehabilitation, ASEM, 72(6):593,2001.

Book Review: Amelia Earhart's Daughters, ASEM, 72(6):593,2001.

Book Review: Disaster at the Pole, 72(),2001.

Book Review: In the Land of White Death, 72(12):1141,2001.

Book Review: Indoor Air Quality, 73(1):74, 2002.

Book Review: Biological Monitoring Methods for Industrial Chemicals, 73(1):74, 2002.

Book Review: Mendeleev's Dream, 73(3):221, 2002.

Book Review: Deadly Glow: The Radium Dial Worker Tragedy, Aviat Space Environ Med 2002;73(5):515.

Book Review: Immunization Safety Review: Mumps-Measles-Rubella Vaccine and Autism, Aviat Space Environ Med 2002;73(5):515.

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Chapter 6: Aviation Medicine, *In **Clinics in Occupational and Environmental Medicine: Fitness for Duty in the Transportation Industry***, Natalie Hartenbaum, Ed., W. B. Saunders, Philadelphia, 2002, Vol 2, No1.

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1989; August 17, 1989; April 11, 1990; August 31, 1990.

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Toxicology, Carroll P. Hungate Postgraduate Seminar on Occupational and Environmental Health, Great Plains College of Occupational and Environmental Medicine, Overland Park, KS, March 11, 1995.

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Developing and Managing a Medical Surveillance Program, American Industrial Hygiene Conference, Kansas City, MO, May 20, 1995.

Travel Medicine, Grand Rounds, Trinity Lutheran Hospital, Kansas City, MO, June 19, 1996; Medicine Grand Rounds, St. Luke's Hospital, Kansas City, MO, July 5, 1996.

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Rocket Fuels and Chemical Hazards, lecture delivered to Santa Barbara Co Paramedics, June 14, 1985, Oct 17, 1985 and February 21, 1986; and USAF Hospital Vandenberg Professional Staff - July 2, 1985 and Lompoc Community Hospital Professional Staff, June 20, 1986.

Acquired Immune Deficiency Syndrome lecture delivered to USAF Hospital Vandenberg Professional Staff, Sept 30, 1985 and Dental Staff Oct 2, 1985.

Space Medicine - An Update, SAC Hospital Commanders' Conference, Offutt AFB, Oct 1985.

Medical Aspects of Manned Space Flight, University of Kansas, May 16, 1986 and to Health Profession Scholarship Students at USAFSAM, Brooks AFB, TX on July 2 and July 21, 1986, 22 June & 12 July 1987, 24 June and 27 July 1989, 27 June and 26 July 1991, and to Advanced Aeromedical Course for Allied Medical Officers on 9 Feb 1987, 20 & 22 Jan 88, 19 & 20 Jan 89, 17 & 18 Jan 90, 23 & 24 Jan 1991, 27 & 28 Jan 1992, 27 Jan 1993 and to Residents in Aerospace Medicine, 20 Nov 87, 4 Feb 89, 2 April 90, 17 & 18 Dec 1990, 28 & 30 Aug 91, 27 Aug 93, 2 Aug 94 and to Aerospace Medicine Primary Course 13 Nov 1987, 10 Apr 1988, 1 Sept 1988, 8 Nov 1989, 19 April 1990, 23 August 1990, 19 April 1991, 8 Nov 91, 7 April 92 and Grand Rounds, Geisinger Medical Center, Danville, PA on 7 Feb 1988 and Luzerne County Medical Society, Wilkes-Barre, PA on 8 Feb 1989 and Oregon Institute of Technology, Klamath Falls, OR on 27 March 1990 and Utah Surgical Society, Salt Lake City, UT, 5 Nov 1991.

Hazardous Materials and the Space Shuttle Program, 4th Annual Pre-Hospital Care Conference, Santa Barbara, CA, June 23, 1986.

Missile Medicine, Aerospace Medicine Primary Course, Brooks AFB, TX, July 22, 1986, Oct 18, 1986, Feb 8, 1987, Aug 21, 1987, Oct 5, 1987, March 17, 1988 and July 27, 1988, Oct 13, 1988, March 20, 1989, Aug 1, 1989, Feb 14, 1990, August 1, 1990, March 21, 1991, Aug 15, 1991, Oct 15, 1991 and March 12, 1992.

Sexually Transmitted Diseases and Military Preventive Medicine, to Aerospace Medicine Primary Course, Brooks AFB, 6 Aug 1987, 15 Oct 1987, 11 Mar 1988, 5 Aug 1988, 11 Oct 1988, 20 Mar 1989, 27 July 1989, 6 Oct 1989, 15 Feb 1990, 2 Aug 1990, 4 Oct 1990, 13 March 1991, 16 Aug 1991, 4 Oct 1991, and March 27, 1992.

Role of the Flight Surgeon (lecture) presented to AMP, Brooks AFB, 2 Oct 1987, 7 Mar 1988, 25 Jul 1988, 4 Oct 1988, 4 Mar 1989, 24 Jul 1989, 3 Oct 1989, 12 Feb 1990, 30 Jul 1990, 2 Oct 1990, 11 Mar 1991, 3 Oct 1991, 9 Mar 1992; Bioenvironmental Engineering Course, 2 Feb 1989, 22 Aug 1989, 26 Jan 1990, 22 Aug 1990, 1 Feb 1991, 21 Aug 1991, 7 Feb 1992; Environmental Health Officer's Course, 5 Jul 1989, 3 Oct 1989, 26 Jan 1990; Health Professions Scholarship Program, 5 Jun and 3 Jul 1990, 4 Jun and 1 Jul 1991.

Introduction to Toxicology (lecture) presented to Aerospace Medicine Primary Course, Brooks AFB, 6 Oct 1987, 10 Mar 1988, 2 Aug 1988, 26 Jul 1989, 16 Feb 1990, 2 Aug 1990, 10 Oct 1990, 15 Mar 1991, 20 Aug 1991, 8 Oct 1991, 31 Mar 1992, 1 Nov 1993, 16 Mar 1994, 16 Aug 1994, 28 Oct 1994, 18 Mar 1995, 16 Aug 1995, 20 Oct 1995, 14 Aug 1996, 16 Oct 1996, 2 Apr 1997, 18 Aug 1997, 27 Oct 1997, 4 Apr 1998, 24 Aug 1998, 2 Nov 1998, 2 Apr 1999, 19 Aug 99, 4 Apr 00, 24 Aug 00, 21 Oct 00, 5 Apr 01, 22 Oct 01, Feb 02, 12 Sept 02, April 3, 2003 August 28, 2003, Oct 27, 2003, April 4, 2004, Aug 8, 2004, Oct 1, 2004, March 12, 2005, August 8, 2005, October 3, 2005 and University of Texas Medical Branch at Galveston, 8 Aug 00.

Fuels and Propellants (lecture) presented to Aerospace Medicine Primary, Brooks AFB, 5 Oct 1987, 17 Mar 1988, 28 Jul 1988, 13 Oct 1988, 20 Mar 1989, 1 Aug 1989, 16 Feb 1990, 2 Aug 1990, 10 Oct 1990, 21 Mar 1991, 20 Aug 1991, 8 Oct 1991, 12 Mar 1992, 1 Nov 1993, 16 Mar 1994, 16 Aug 1994, 28 Oct 1994, 18 May 1995, 14 Aug 1995, 20 Oct 1995, 14 Aug 1996, 16 Oct 1996, 2 Apr 1997, 18 Aug 1997, 27 Oct 1997, 4 Apr 1998, 24 Aug 1998, 2 Nov 1998, 2 Apr 1998, 19 Aug 99, 4 Apr 00, 4 Aug 00, 21 Oct 00, 5 Apr 01, 22 Oct 01, 9 Feb 02, 12 Sept 02, April 3, 2003 Aug 28, 2003, Oct 27, 2003, April 4, 2004, Aug 8, 2004, Oct 1, 2004 March 12, 2005, August 8, 2005, October 3, 2005 and Wright State University on 18 Nov 1988, University of Texas School of Public Health at Houston on 10 April 1989 and 16 Apr 1990, Aerospace Medicine for International Medical Officers on 18 Apr 1988, 19 Jan 1989, 18 Jan 1990 and 1 April 1991, and USAF Residency in Aerospace Medicine on 14 Sept 1989 and University of Texas Medical Branch at Galveston, 8 Aug 00.

Human Factors in Aircraft Accident Prevention, Aerospace Medicine Supervisor Course 1988, Brooks AFB, 27 May 1988 and Aerospace Medicine Primary Course, 10 Aug 1988, 19 Oct 1988, 27 Mar 1989, 7 Aug 1989, 18 Oct 1989, 4 Apr 1990, 10 Aug 1990, 16 Oct 1990, 3 Apr 1991, 1 Aug 1991, 17 Oct 1991, 13 Mar 1992, and Embry Riddle University Extension, Randolph AFB Human Factors Course, 11 Oct 1989, 22 Aug 1990 and Aerospace Physiologists Course 18 July 1989.

Flight Surgeon Operations (lecture), Battlefield Medical operations Course, Brooks AFB, 12 Jul 1989 and Aerospace Physiologists course, 18 Jul 1989.

Adjuncts to Airway and Ventilation (lecture), Advanced Cardiac Life Support Course, Brooks AFB, 19 Jul 1989.

Industrial Operations (lecture) Environmental Health Officers Course, 5 Jul 1989; Aerospace Medicine Primary Course, 26 Jul 1989, 5 Oct 1989, 14 Feb 1990, # Aug 1990, 10 Oct 1990, 15 Mar 1991, 20 Aug 1991, 8 Oct 1991, 31 Mar 1992; and Flight Surgeon Course, Defense and Civil Institute of Environmental Medicine, Toronto, Ontario, 6 Nov 1989.

Medical Terminology (lecture) Bioenvironmental Engineers Course, 23 Aug 1989.

Human Physiology for Engineers (8 hours of lecture) Bioenvironmental Engineers Course, 24 & 25 Aug 1989, 26 & 27 Jan 1990, 23 & 24 Aug 1990, 4 & 5 Feb 1991, 22 & 23 Aug 1991.

Medical Readiness and Disaster Response (lecture) Environmental Health Officers Course, 14 Sept 1989.

Mishap Investigation (lecture), Advanced Medical Standards Course, 19 Sept 1989.

Crash Survival (lecture), AMP Course 18 Oct 1989, 4 Apr 1990, 10 Aug 1990, 5 Apr 1991, 1 Aug 1991, 17 Oct 1991, 13 Mar 1992.

Myocardial Infarction (lecture), Advanced Cardiac Life Support Course, Brooks AFB, 17 Jan 1990.

Senior Flight Surgeon Examination Review Seminar, Operational Aeromedical Problems Course, Brooks AFB, 24 Jan 1990.

Disaster Management Seminar, Operational Aeromedical Problems Course, 25 Jan 1990.

Aeromedical Problems of Tactical Air Operations, Health Professions Scholarship Program, 6 Jun & 5 Jul 1990, 5 Jun & 3 Jul 1991.

Aeromedical Problems of Strategic and Airlift Operations, Health Professions Scholarship program, 7 Jun & 5 Jul 1990, 5 Jun & 3 Jul 1991.

Aeromedical Problems of Training Programs and Reconnaissance Operations, Health Professions Scholarship Program, 8 Jun & 6 Jul 1990, 6 Jun & 24 Jul 1991.

Monitoring and Dysrhythmias, Advanced Cardiac Life Support Course, Brooks AFB, 9 Jul 1990.

Preparing for the Senior Flight Surgeons' Exam, Association of Military Surgeons of the United States 97th Annual Meeting, Nashville, Tennessee, 15 Nov 1990.

Impact Acceleration, Aerospace Physiologist Course, Brooks AFB, 9 Jul 1991; University of Kansas Department of Preventive Medicine Grand Rounds, 20 Feb 1992.

Disaster Planning, Management and medical Response, Lancaster County Civil Defense/Airshow Planning, Lincoln, Nebraska, 27 Aug 1991.

Aeromedical Medicine, Grand Rounds at University of Utah School of Medicine, Salt Lake City, Utah, 6 Nov 1991.

Human Factors in Air Force Helicopter Mishaps, 1st Coast Guard Aeromedical Problems Course, CGS Mobile, Alabama, 28 Feb 1992.

Space Shuttle Contingency Operations, 1st Coast Guard Aeromedical Problems Course, CGS Mobile, Alabama, 28 Feb 1992.

History of Aerospace Medicine, Residency in Aerospace Medicine, Brooks AFB, TX, 1 Jul 1992; and Advanced Aerospace Medicine for International medical Officers, Brooks AFB, TX, 26 Jan 1993.

Occupational Arthritis and Rheumatologic Problems, the Rheumatology Center, Kansas City, MO, 16 Jan 1993.

AIDS and Business: Impact on the Workplace, St. Luke's Outreach, Kansas City, MO, 12 May & 29 July 1993.

Basic Statistics, OB-GYN Grand Rounds, St. Luke's Hospital, Kansas City, MO, 24 Sept 1993.

Drugs and Alcohol, Aviation Medical Seminar/Federal Aviation Administration, Chicago, IL, 25 Jun 1994, 11 May 1995, Memphis, TN, 27 Aug 1995.

Aviation Toxicology, Aviation Medical Seminar/Federal Aviation Administration, Chicago, IL, 26 Jun 1994; Anaheim, CA, 12 May 1995; Memphis, TN, 27 Aug 1995.

Transport by Air of the Ill and Injured, Chicago, IL, 26 Jun 1994; Anaheim, CA, 12 May 1995; Memphis, TN, 27 Aug 1995.

Aviation Physiology, Basic Aviation Medical Examiners Seminar, Civil Aeromedical Institute, Mike Moroney Aeronautical Center, Oklahoma City, OK, 14 Nov 1994, 4 Apr 1995, 16 Sept 1996, 2 Jun 1997, 25 Aug 1997, 16 Dec 1997, 16 Mar 1998, 24 Aug 1998, 14 Jun 1999, 15 Sept 1999, 20 March 2000, 4 June 2000, 18 Sept 2000, 6 Dec 2000, 4Apr 2001, 10 Sept 2001, 11 March 2002.

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Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 21 Jun 1995, 28 Sep 1995, 24 Jan 1996, 4 Jun 1996, 1 Oct 1996, 8 Jan 1997, 8 Apr 1997, 9 Sep 1997, 5 Jan 1998, 10 Apr 1998, 11 June 1998, 20 Sep 1998, 5 Jan 1999, 13 Apr 1999, 15 Jun 1999, 14 Sept 1999, 29 Feb 2000, 6 June 2000, 14 Oct 2000, 30 Jan 2001, 1 May 2001, 17 Sept 2001, January 8, 2002, March 25, 2002, June 14, 2002, Sept 18, 2002, Jan 8, 2003, April 1, 2003, Oct 8, 2003.

Biomedical Factors in Accident Prevention: Part II - Acceleration Physiology, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 21 Jun 1995, 28 Sep 1995, 24 Jan 1996, 5 Jun 1996, 1 Oct 1996, 8 Jan 1997, 8 Apr 1997, 9 Sep 1997, 5 Jan 1998, 10 Apr 1998, 11 Jun 1998, 20 Sep 1998, 5 Jan 1999, 13 Apr 1999, 15 Jun 1999, 14 Sept 1999, 29 Feb 2000, 6 June 2000, 14 Oct 2000, 30 Jan 2001, 1 May 2001, 17 Sept 2001, January 8, 2002, March 25, 2002, June 14, 2002, Sept 18, 2002, Jan 8, 2003, April 1, 2003, Oct 8, 2003.

Biomedical Factors in Accident Prevention: Part III - Perception in Flight, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 21 Jun 1995, 28 Sep 1995, 24 Jan 1996, 5 Jun 1996, 1 Oct 1996, 8 Jan 1997, 8 Apr 1997, 9 Sep 1997, 5 Jan 1998, 10 Apr 1998, 11 Jun 1998, 20 Sep 1998, 5 Jan 1999, 13 Apr 1999, 15 Jun 1999, 15 Sept 1999, 29 Feb 2000, 6 June 2000, 14 Oct 2000, 30 Jan 2001, 1 May 2001, 17 Sept 2001, January 8, 2002, March 25, 2002, June 14, 2002, Sept 18, 2002, Jan 8, 2003, April 1, 2003, Oct 8, 2003.

Biomedical Factors in Accident Prevention: Part IV - Environmental Stress, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 22 Jun 1995, 29 Sep 1995, 25 Jan 1996, 5 Jun 1996, 2 Oct 1996, 9 Jan 1997, 9 Apr 1997, 9 Sep 1997, 6 Jan 1998, 11 Apr 1998, 12 Jun 1998, 21 Sep 1998, 6 Jan 1999, 14 Apr 1999, 16 Jun 1999, 15 Sept 1999, 29 Feb 2000, 7 June 2000, 15 Oct 2000, 30 Jan 2001, 2 May 2001, 17 Sept 2001, January 9, 2002, March 26, 2002, June 14, 2002, Sept 18, 2002, Jan 8, 2003, April 2, 2003, Oct 9, 2003.

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Biomedical Factors in Accident Prevention: Part VI - Drugs, Alcohol and Health Issues, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 22 Jun 1995, 29 Sep 1995, 25 Jan 1996, 5 Jun 1996, 2 Oct 1996, 8 Jan 1997, 9 Apr 1997,

10 Sep 1997, 6 Jan 1998, 11 Apr 1998, 12 Jun 1998, 21 Sep 1998, 6 Jan 1999, 14 Apr 1999, 16 Jun 1999, 15 Sept 1999, 1 March 2000, 7 June 2000, 15 Oct 2000, 31 Jan 2001, 2 May 2001, 17 Sept 2001, January 9, 2002, March 26, 2002, June 14, 2002, Sept 18, 2002, Jan 8, 2003, April 2, 2003, Oct 9, 2003.

Human Factors - Theme and Objectives, Aviation Medical Seminar/Federal Aviation Administration: Tampa, FL 2 Dec 1995; Denver, CO, 8 Mar 1996; Minneapolis, MN, 3 Aug 1996; Dallas, TX, 18 Oct 1996; Washington, DC, 4 Apr 1997; Albuquerque, NM, 12 Jul 1997; Los Angeles, CA, 21 Feb 1998; New Orleans, LA, 11 Dec 1998, Fairfax, VA, 22 Jan 1999, Chicago, IL, July 17, 2000, Houston, TX, February 24, 2001, Reno, NV, May 9, 2001, Ft. Worth, TX Jan 12, 2002, McClean, VA, August 17, 2002, Arlington Heights, IL, July 19, 2003, Dallas, TX, April 25, 2004, July 10, 2004, Savannah, GA, November 20, 2005, Washington DC, August 5, 2006, New Orleans LA, May 16, 2007, May 14, 2008, Boston MA .

Human Performance, Aviation Medical Seminar/Federal Aviation Administration: Tampa, FL, 3 Dec 1995; Denver, CO, 9 Mar 1996; Minneapolis, MN, 4 Aug 1996; Dallas, TX, 18 Oct 1996; Washington, DC, 5 Apr 1997; Albuquerque, NM, 13 Jul 1997; Los Angeles, CA, 22 Feb 1998; New Orleans, LA, 12 Dec 1998, Fairfax, VA, 23 Jan 1999, Chicago, IL, July 18, 2000, Houston, TX, February 25, 2001, Reno, NV, May 9, 2001, Ft. Worth, TX, Jan 13, 2002, McClean, VA, August 18, 2002, Arlington Heights, IL, July 19, 2003, Dallas, TX, April 25, 2004, Denver, CO, July 11, 2004, Savannah, GA, November 19, 2005, Washington DC, August 5, 2006, New Orleans LA, May 16, 2007, May 14, 2008, Boston MA .

Crashworthiness/Survival, Aviation Medical Seminar/Federal Aviation Administration: Tampa, FL, 3 Dec 1995; Denver, CO, 9 Mar 1996; Minneapolis, MN, 4 Aug 1996; Dallas, TX, 18 Oct 1996; Washington, DC, 5 Apr 1997; Albuquerque, NM, 13 Jul 1997; Los Angeles, CA, 22 Feb 1998, New Orleans, LA, 12 Dec 1998, Fairfax, VA, 23 Jan 1999, Chicago, IL, July 18, 2000, Houston, TX, February 25, 2001, Reno, NV, May 9, 2001, Ft. Worth, TX, Jan 13, 2002, McClean, VA, August 18, 2002, Arlington Heights, IL, July 20, 2003, Dallas, TX, April 25, 2004, July 11, 2004, Savannah, GA, November 20, 2005, Washington DC, August 5, 2006, New Orleans LA, May 16, 2007, May 14, 2008, Boston MA .

Biomedical Factors in Aircraft Accident Investigation: Part I - Altitude Physiology, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 11 Dec 1995 and 4 Jun 1997, April 8, 2003 (Port of Spain, Trinidad), December 6, 2003, March 11, 2004, May 13, 2004 [Patuxent River Naval Air Station, MD], August 25, 2004, October 7, 2004, December 6, 2004 [Mexico City, Mexico], January 26, 2005, March 24, 2005, June 9, 2005, October 7, 2005, January 26, 2006, March 6, 2006 (Port of Spain, Trinidad), June 9, 2006, September 15, 2006, November 9, 2006, March 6, 2007, June 9, 2007, October 4, 2007, January 6, 2008, March 28, 2008, Jun 6, 2008, October 2, 2008, December 9, 2008, January 13, 2009, February 10, 2009, June 5, 2009, Sept 10, 2009, December

9, 2009, February 8, 2010, May 18, 2010, October 5, 2010, December 7, 2010, February 8, 2011, May 17, 2011, October 8, 2011, December 7, 2011, February 7, 2012, May 21, 2012, October 4, 2012, December 5, 2012, February 12, 2013, May 20, 2013, October 2, 2013, December 3, 2013, February 11, 2014, May 19, 2014, October 2, 2014, December 7, 2014, January 11, 2015, May 18, 2015, 2015, October 1, 2015, December 2, 2015, February 2, 2016, May 17, 2016, Sept 27, 2016, October 25, 2016, February 7, 2017, May 16, 2017, September 26, 2017, December 5, 2017, January 23, 2018, May 1, 2018, October 2, 2018, December 3, 2018, January 28, 2019, April 30, 2019

Biomedical Factors in Aircraft Accident Investigation: Part II - Acceleration Physiology, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 11 Dec 1995 and 4 Jun 1997, April 8, 2003(Port of Spain, Trinidad), December 6, 2003, March 11, 2004, May 13, 2004 [Patuxent River Naval Air Station, MD], August 25, 2004, October 7, 2004, December 6, 2004 [Mexico City, Mexico], January 26, 2005, March 24, 2005, June 9, 2005, October 7, 2005, January 26, 2006, March 6, 2006 (Port of Spain, Trinidad), June 9, 2006, September 15, 2006, November 9, 2006, March 6, 2007, June 9, 2007, October 4, 2007, January 6, 2008, March 28, 2008, Jun 6, 2008, October 2, 2008, December 9, 2008, January 13, 2009, February 10, 2009, June 5, 2009, Sept 10, 2009, December 9, 2009, February 8, 2010, May 18, 2010, October 5, 2010, December 7, 2010, February 8, 2011, May 17, 2011, October 8, 2011, December 7, 2011, February 7, 2012, May 21, 2012, October 4, 2012, December 5, 2012, February 12, 2013, May 20, 2013, October 2, 2013, December 3, 2013, February 11, 2014, May 19, 2014, October 2, 2014, December 7, 2014, January 11, 2015, May 18, 2015, 2015, October 1, 2015, December 2, 2015, February 2, 2016, May 17, 2016, Sept 27, 2016, October 25, 2016, February 7, 2017, May 16, 2017, September 26, 2017, December 5, 2017, January 23, 2018, May 1, 2018, , October 2, 2018, December 3, 2018, January 28, 2019, April 30, 2019

Biomedical Factors in Aircraft Accident Investigation: Part III - Perception in Flight, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 11 Dec 1995, 4 June 1997, April 8, 2003(Port of Spain, Trinidad), December 6, 2003, March 11, 2004, May 13, 2004 [Patuxent River Naval Air Station, MD], August 25, 2004, October 7, 2004, December 6, 2004 [Mexico City, Mexico], January 26, 2005, March 24, 2005, June 9, 2005, October 7, 2005, January 26, 2006, March 6, 2006 (Port of Spain, Trinidad), June 9, 2006, September 15, 2006, November 9, 2006, March 6, 2007, June 9, 2007, October 4, 2007, January 6, 2008, March 28, 2008, Jun 6, 2008, October 2, 2008, December 9, 2008, January 13, 2009, February 10, 2009, June 5, 2009, Sept 10, 2009, December 9, 2009, February 8, 2010, May 18, 2010, October 5, 2010, December 7, 2010, February 8, 2011, May 17, 2011, October 8, 2011, December 7, 2011, February 7, 2012, May 21, 2012, October 4, 2012, December 5, 2012, February 12, 2013, May 20, 2013, October 2, 2013, December 3, 2013, February 11, 2014, May 19, 2014, October 1, 2014, December 6, 2014, January 10, 2015, May 18, 2015, October 1, 2015, December 2, 2015, February 2, 2016, May 17, 2016, Sept 27,

2016, October 25, 2016, February 7, 2017, May 16, 2017, September 26, 2017, December 5, 2017, January 23, 2018, May 1, 2018, October 2, 2018, December 3, 2018, January 28, 2019, April 30, 2019

Biomedical Factors in Aircraft Accident Investigation: Part IV - Environmental Stress, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 12 Dec 1995, 5 Jun 1997, April 9, 2003(Port of Spain, Trinidad), December 6, 2003, March 11, 2004, May 14, 2004 [Patuxent River Naval Air Station, MD], August 25, 2004, October 7, 2004, December 6, 2004 [Mexico City, Mexico], January 26, 2005, March 24, 2005, June 9, 2005, October 7, 2005, January 27, 2006, March 7, 2006 (Port of Spain, Trinidad), June 9, 2006, September 15, 2006, November 10, 2006, March 6, 2007, June 9, 2007, October 4, 2007, January 6, 2008, March 28, 2008, Jun 6, 2008, October 2, 2008, December 10, 2008, January 14, 2009, February 11, 2009, June 6, 2009, Sept 11, 2009, December 10, 2009, February 9, 2010, May 19, 2010, October 6, 2010, December 8, 2010, February 9, 2011, May 18, 2011, October 9, 2011, December 7, 2011, February 8, 2012, May 22, 2012, October 4, 2012, December 5, 2012, February 13, 2013, May 20, 2013, October 3, 2013, December 4, 2013, February 12, 2014, May 19, 2014, October 1, 2014, December 6, 2014, January 10, 2015, May 18, 2015, September 30, 2015, December 1, 2015, February 2, 2016, May 18, 2016, Sept 27, 2016, October 25, 2016, February 7, 2017, May 16, 2017, September 26, 2017, December 5, 2017, January 23, 2018, May 1, 2018, October 2, 2018, December 3, 2018, January 28, 2019, April 30, 2019

Biomedical Factors in Aircraft Accident Investigation: Part V - Self-Imposed Stress, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 12 Dec 1995, 5 Jun 1997, April 9, 2003(Port of Spain, Trinidad), December 6, 2003, March 11, 2004, May 14, 2004 [Patuxent River Naval Air Station, MD], August 26, 2004, October 8, 2004, December 6, 2004 [Mexico City, Mexico], January 26, 2005, March 24, 2005, June 9, 2005, October 7, 2005, January 27, 2006, March 7, 2006 (Port of Spain, Trinidad), June 9, 2006, September 15, 2006, November 10, 2006, March 6, 2007, June 9, 2007, October 4, 2007, January 6, 2008, March 28, 2008, Jun 6, 2008, October 2, 2008, December 10, 2008, January 14, 2009, February 11, 2009, June 6, 2009, Sept 11, 2009, December 10, 2009, February 9, 2010, May 19, 2010, October 6, 2010, December 8, 2010, February 9, 2011, May 18, 2011, October 9, 2011, December 7, 2011, February 8, 2012, May 22, 2012, October 5, 2012, December 6, 2012, February 13, 2013, May 20, 2013, October 3, 2013, December 4, 2013, February 12, 2014, May 19, 2014, October 1, 2014, December 6, 2014, January 10, 2015, May 18, 2015, September 30, 2015, December 1, 2015, February 3, 2016, May 18, 2016, Sept 28, 2016, October 26, 2016, February 8, 2017, May 17, 2017, September 27, 2017, December 6, 2017, January 24, 2018, May 2, 2018, October 2, 2018, December 3, 2018, January 28, 2019, May 1, 2019

Biomedical Factors in Aircraft Accident Investigation: Part VI - Drugs, Alcohol and Health Issues, Aviation Safety Program of the Institute of Safety and

Systems Management, University of Southern California, Los Angeles, CA, 12 Dec 1995, 5 June 1997, April 9, 2003 (Port of Spain, Trinidad), December 7, 2003, March 12, 2004, May 14, 2004 [Patuxent River Naval Air Station, MD], August 26, 2004, October 8, 2004, December 6, 2004 [Mexico City, Mexico], January 26, 2005, March 24, 2005, June 9, 2005, October 7, 2005, January 27, 2006, March 7, 2006 (Port of Spain, Trinidad), June 9, 2006, September 15, 2006, November 10, 2006, March 6, 2007, June 9, 2007, October 4, 2007, January 6, 2008, March 28, 2008, Jun 6, 2008, October 2, 2008, December 10, 2008, January 14, 2009, February 11, 2009, June 6, 2009, Sept 11, 2009, December 10, 2009, February 9, 2010, May 19, 2010, October 6, 2010, December 8, 2010, February 9, 2011, May 18, 2011, October 9, 2011, December 7, 2011, February 8, 2012, May 22, 2012, October 5, 2012, December 6, 2012, February 13, 2013, May 20, 2013, October 3, 2013, December 4, 2013, February 12, 2014, May 19, 2014, October 1, 2014, December 6, 2014, January 10, 2015, May 18, 2015, September 30, 2015, December 1, 2015, February 3, 2016, May 18, 2016, Sept 28, 2016, October 26, 2016, February 8, 2017, May 17, 2017, September 27, 2017, December 6, 2017, January 24, 2018, May 2, 2018, October 2, 2018, December 3, 2018, January 28, 2019, May 1, 2019

Biomedical factors in Aircraft Accident Investigation: Part VII - Medical Forensics and the Crash Scene - Hazards: seen and unseen, Aviation Safety Program of the Institute of Safety and Systems Management, University of Southern California, Los Angeles, CA, 12 Dec 1995, 5 June 1997, April 10, 2003 (Port of Spain, Trinidad), December 7, 2003, March 12, 2004, May 14, 2004 [Patuxent River Naval Air Station, MD], August 26, 2004, October 8, 2004, December 6, 2004 [Mexico City, Mexico], January 26, 2005, March 24, 2005, June 9, 2005, October 7, 2005, January 27, 2006, March 7, 2006 (Port of Spain, Trinidad), June 9, 2006, September 15, 2006, November 10, 2006, March 6, 2007, June 9, 2007, October 4, 2007, January 6, 2008, March 28, 2008, Jun 6, 2008, October 2, 2008, December 10, 2008, January 14, 2009, February 11, 2009, June 6, 2009, Sept 11, 2009, December 10, 2009, February 9, 2010, May 19, 2010, October 6, 2010, December 8, 2010, February 9, 2011, May 18, 2011, October 9, 2011, December 7, 2011, February 8, 2012, May 22, 2012, October 5, 2012, December 6, 2012, February 13, 2013, May 20, 2013, October 3, 2013, December 4, 2013, February 12, 2014, May 19, 2014, October 1, 2014, December 6, 2014, January 10, 2015, May 18, 2015, September 30, 2015, December 1, 2015, February 3, 2016, May 18, 2016, Sept 28, 2016, October 26, 2016, February 8, 2017, May 17, 2017, September 27, 2017, December 6, 2017, January 24, 2018, May 2, 2018, October 2, 2018, December 3, 2018, January 28, 2019, May 1, 2019

Streiten Im Luftfahrtpersonal Auswahlen (Controversy in Aircrew Selection), Luftfahrtmedizinischen Seminar, Osterreichische Gesellschaft fur Alpin- und Hohenmedizin, Wiener Neustadt, Austria, 20 Sept 1997.

Uberleben den Unglucksfall (Accident Survival), Luftfahrtmedizinischen Seminar, Osterreichische Gesellschaft fur Alpin- und Hohenmedizin, Wiener Neustadt, Austria, 20 Sep 1997.

Reisenproblem und Krankheit mit Fluggast and Flieger (Travel Problems and disease transmission in air travelers), Luftfahrtmedizinischen Seminar, Osterreichische Gesellschaft fur Alpin- und Hohenmedizin, Weiner Neustadt, Austria, 20 Sept 1997.

Chemical Exposures, Workers' Compensation 1997 Annual Seminar, Kansas Department of Human Resources/Division of Workers' Compensation, Sep 26, 1997, Overland Park, KS and Nov 6, 1997, Wichita, KS.

The Role of the Occupational Medicine Physician, Missouri Self-Insurers Association 8th Annual Meeting, North Kansas City, MO, 20 Oct 1997.

Careers in Aerospace and Occupational Medicine, American Medical Student Association, University of Health Sciences, Kansas City, MO, 29 Jan 1998.

Multiple Chemical Sensitivity, Heart of America Case Managers Conference, Kansas City, Mo, 30 Apr 1998.

Toxic exposures in structure fires, Kansas City Video Conference Center, Kansas City, MO, 26 Aug 1998.

Human Space Flight: Expanding Biomedical Knowledge, Eighth Annual Iowa Space Grant Conference, Iowa University, Iowa City, Iowa, 30 Oct 1998.

Role of the Airline Medical Director, Residency in Aerospace Medicine, Brooks AFB, TX, 12 Nov 1998, 31 Oct 1999, 30 Oct 2000, 1 Nov 2001.

Spatial Disorientation, Aviation Medical Seminar/Federal Aviation Administration, New Orleans, LA, 12 Dec 1998; Savannah, GA 19 Nov 2005.

Medical Guidelines for Travelers, St. Luke's Hospital, Kansas City, MO, July 9, 1999 and Truman Medical Center Residency Program, Kansas City, MO. July 9, 1999, Aerospace Medical Association Annual Scientific Meeting, Houston, TX, May 14, 2000, FAA Regional AME Seminar, Houston, TX, February 28, 2001, Reno, NV, May 9, 2001, Ft. Worth, TX, January 13, 2002, Washington DC, August 5, 2006, July 10, 2004, Savannah, GA, November 20, 2005, Washington DC, August 5, 2006, New Orleans LA, May 16, 2007, May 14, 2008, Boston MA . Southwest Clinical Society Spring Conference, Copper Mountain, CO, March 18, 2002 Community Medicine Program, University of Kansas School of Medicine, Kansas City, Ks, September 16, 2003, FAA Regional Seminar, Dallas, TX, April 25, 2004, July 11, 2004, Grand Rounds, St. Joseph Medical Center, Kansas City, MO, April 28, 2005.

Space Medicine, Aviation Medical Society of Australia & New Zealand Annual Scientific Meeting, Cairns, Queensland, Australia, Oct 1, 1999, Southwest Clinical Society, Overland Park, Kansas, Oct 25, 2000, Grand Rounds, Baptist Medical Center, Kansas City, MO, Feb 7, 2001, Southwest Clinical Society

Spring Conference, Copper Mountain, CO, March 18, 2002.

Medical Aspects of Passenger Travel, Aviation Medical Society of Australia & New Zealand Annual Scientific Meeting, Cairns, Queensland, Australia, Oct 1, 1999.

Bioterrorism and the Transportation Industry, American College of Occupational and Environmental Medicine State of the Art Conference, San Antonio, TX, Oct 20, 1999.

Vision, Refractive Surgery and Pilot Challenges, Aviation Physiology Course (guest lecture), Central Missouri State University, Warrensburg, MO, Oct 28, 1999, November 28, 2001.

Pilot stress, longevity, drug testing and worker's compensation, Human Factors Course (guest lecture), Central Missouri State University, Warrensburg, MO, Oct 28, 1999.

Civil Aviation Medicine-Panel Discussion, Residency in Aerospace Medicine, USAF School of Aerospace Medicine, Brooks AFB, TX, Nov 4, 1999; Sept 14, 2000.

Airline Medical Director's View, Residency in Aerospace Medicine,

USAF School of Aerospace Medicine, Brooks AFB, TX, Nov 4, 1999; Sept 15, 2000.

Crash Investigation and Prevention, Grand Rounds, Trinity Lutheran Hospital, Kansas City, MO, Feb 26, 2000.

Bioterrorism, Critical Care Conference, KC Southwest Clinical Society, Overland Park, KS, May 4, 2000. Hungate Conference, Great Plains College of Occupational and Environmental Medicine, Overland Park Kansas, February 23, 2001, Baptist Hospital Clinical Conference, Kansas City, MO, October 10, 2001, University of Kansas Capstone Sessions, October 18, 2001, May 1, 2003, Southwest Clinical Conference, Overland Park, KS, October 26, 2001; Saint Luke's-Shawnee Mission Emergency Medicine Conference, Kansas City, MO, November 16, 2001, Saint Lukes Hospital Grand Rounds, Kansas City, MO, December 14, 2001, University of Southern California, Los Angeles, January 8, 2002, April 1, 2003 Southwest Clinical Society Spring Conference, Copper Mountain, CO, March 18, 2002. Civil Aviation Authority of Trinidad & Tobago, Port of Spain, Trinidad, April 10, 2003.

Subjective Syndromes, 2nd Annual Clinical/Psych Rehab Conference, Kansas City, MO, May 10, 2000.

Cabin Air Quality Issues, House of Lords Subcommittee on Science and Technology, London, England, June 6, 2000.

Drug Testing in the Workplace, 14th Kansas Workers' Compensation Seminar, Jan 15, 2001, Lawrence, KS. Greater Kansas City Occupational Health Nurses Association, February 14, 2001, Kansas City, KS.

Who was the Driver? Motor Vehicle Accident Investigation Seminar, American Academy of Forensic Science Annual Scientific Meeting, Seattle, WA, February 21, 2001.

Age 60 Rule: The Airline Medical Department View. Aerospace Medical Association, Pilot Aging Seminar, Reno, NV May 7, 2001.

MRO for PAs, (with James Butler, MD), American Academy of Physician Assistants, Anaheim, CA, June 1, 2001.

Science and Non-Science: Cause and Effect in the Workplace, Kansas State Workers' Compensation Conference, Overland Park, KS, September 11, 2001 and Wichita, KS, September 19, 2001.

Dead men do tell tales: heart attacks on the job. 2001 Annual Missouri Worker's Compensation Institute, Kansas City, MO, October 12, 2001.

AEDs in commercial aviation-an update. Civil Aviation Medical Association Annual Scientific Meeting, Atlanta, GA, October 13, 2001

Zapped: AEDs in the workplace. 52nd Kansas Safety & Health Conference, Overland Park, KS, October 16, 2001, 26th Annual Hungate Conference, Great Plains College of Occupational and Environmental Medicine, Overland Park, KS, March 8, 2003 .

Transportation Safety and Potentially Sedating or Impairing Medications, invited witness, Joint Public Hearing, National Transportation Safety Board/Food and Drug Administration, Washington, DC, November 15, 2001.

Popcorn Packers' Pneumoconiosis, 25th Annual Hungate Conference, Great Plains College of Occupational and Environmental Medicine, Overland Park, KS, February 23, 2002, American Industrial Hygiene Association (Mid-America Section), Kansas City, MO, February 11, 2003, American Industrial Hygiene Association (St. Louis Section), St. Louis, MO, October 7, 2003.

Issues in Airline Passenger Health, Aerospace Medical Association Annual Scientific Meeting, Montreal Canada, May 7, 2002.

The Role of Co-morbid Disease in the Development of Hypoxia in Flight: the Commercial Airline Perspective, Aerospace Medical Association Annual Scientific Meeting, Montreal Canada, May 8, 2002.

Workers' Compensation: A Primer for Primary Providers, Goppert Family

Practice Residency Seminar, Kansas City, MO, August 12, 2002.

Diabetes in the Workplace, Workers' Compensation 2002 Annual Seminar, Kansas Department of Human Resources/Division of Workers' Compensation, Sep 9, 2002, Overland Park, KS and September 18, 2002, Wichita, KS.

Occupational Hazards for Animal Handlers, University of Missouri at Kansas City, Truman Medical Center, December 14, 2002, School of Dentistry, January 6, 2003.

Medical Perspective on Orthopaedic Workplace Injuries, Missouri Workers' Comp Update 2003, Kansas City, February 27, 2003.

Spatial Orientation-A Review of the Basics, Aerospace Medical Association Annual Scientific Meeting, San Antonio, TX, May 6, 2003.

Fatigue Factors in a Commercial Airline Accident, Aerospace Medical Association Annual Scientific Meeting, San Antonio, TX, May 6, 2003.

Role of Aerospace Medicine in Aircraft Accident Investigation, International Society of Air Safety Investigators, Washington, DC, August 27, 2003.

Vehicular Accidents and Public Health: Investigation and Injury Prevention, University of Kansas School of Medicine, Kansas City, KS, October 28, 2003.

Latex Workplace Issues and Hazards, Environmental Health Concerns Conference, St. Luke's Health System, Kansas City, MO, January 29, 2004.

Biological and Chemical Terrorism, Current Management in Critical Care Conference, KC Southwest Clinical Society, Overland Park, KS, May 6, 2004.

Bronchiolitis Obliterans in Flavoring Workers: A Review of Popcorn Lung Cases, American College of Occupational and Environmental Medicine State of the Art Conference, San Antonio, TX, November 6, 2004.

Ethical Responsibilities of Health Care Providers in Workers' Compensation. Missouri Division of Worker's Compensation, Annual Conference on Workers' Compensation Issues, Lake of the Ozarks, MO, June 7, 2005.

Major Depression Prevalence in Commercial Airline Flight Attendants: Psychiatric Illness and Return to Duty, IATA Cabin Health Conference, Geneva, Switzerland, June 15, 2005.

New Occupational Disease: Proving it in Workers' Compensation. Kansas Department of Labor 2005 Workers Compensation Seminar, Overland Park, KS, September 12, 2005 and Wichita, KS, September 21, 2005.

Human Performance, FAA Aviation Medical Examiners Seminar, Savannah, GA

November 19, 2005.

There's an epidemic in Jasper County: Popcorn Workers' Lung-
The History, Biology and Occupational Health Issues. Southern Missouri State
University, Biology Department Seminar, Joplin, MO. April 19, 2006.

Popcorn Epidemiology. Public Health Seminars, University of Kansas Medical
Center, Kansas City, KS, September 27, 2006. Kansas City Missouri Public
Health Department, Kansas City, MO, January 11, 2007.

Returning a Patient to Work. Kansas City Southwest Clinical Society 84th
Annual Clinical Conference, Overland Park, KS, November 2, 2006.

Linking Sentinel Events to Public Health Responses-System or Serendipity?
Diacetyl Experience, The ATS International Conference, San Francisco, CA,
February 11, 2007.

Travel Medicine Update, Grand Rounds, St. Joseph Hospital, Kansas City, MO,
February 22, 2007. 29th Annual Hungate Seminar on Occupational And
Environmental Health, Overland Park, KS, February 24, 2007, and Aero
Contractors Safety Standdown, Smithville, NC, January 19, 2017.

Bioterrorism Update, Kansas City Southwest Clinical Society Critical Care
Conference, Overland Park, KS, April 12, 2007.

Popcorn Workers' Lung-the History, Biology and Occupational Health Issues of
Flavoring-Induced Bronchiolitis Obliterans. Missouri Association of
Occupational Health Nurses, 46th Annual Conference, Independence MO,
October 12, 2007; Mid-Atlantic Region Conference on Occupational Medicine,
Johns Hopkins University, Baltimore, MD, October 13, 2007, 31st Annual Hungate
Conference, Great Plains College of Occupational and Environmental Medicine,
Overland Park, KS, February 28, 2009; Central States Occupational and
Environmental Medicine Association, Annual Fall Seminar, Kansas City, MO,
September 25, 2010..

Toxic, Radiologic and Bio-Terrorism: Challenge and Response. Responding to
Terrorist Incidents and Major Disasters Conference, University of Kansas and
US Dept. of Health and Human Services, Wichita, KS, October 15, 2007.

Alcohol and Drug Problems among Airline Pilots. Transportation Review Board
87th Annual Meeting, Alcohol, Other Drugs and Transportation Committee,
Washington DC, January 15, 2008.

Aero Medical Concerns of the Pilot. Airborne Law Enforcement Association
Southern Region Safety Seminar, San Antonio, TX, November 6, 2008,
Airborne Law Enforcement Association Central Region Safety Seminar,
Chicago, IL, March 26, 2009.

Permanent Total Disability and Future Medical Care. Annual Workers' Compensation Institute, The Missouri Bar, Kansas City, MO, April 24, 2009.

Preoperative Clearance for Surgery. 2009 Kansas Worker's Compensation Seminar, KDOL, Division of Workers Compensation, Overland Park, KS, September 2, 2009.

Drug Testing Update. Association of Occupational Health Professionals in Healthcare, Kansas City, MO, January 5, 2010.

An Occupational Medicine Physician in the Haiti Relief Effort. Great Plains College of Occupational and Environmental Medicine, Hungate Conference, Overland Park Kansas, February 25, 2010; Central States Occupational and Environmental Medicine Association, Annual Fall Seminar, Kansas City, MO, September 25, 2010.

Two Miles High: Environment, Physiology and Rescue in the Mountains. Current Clinical Topics in Medicine. Kansas City Southwest Clinical Society. Copper Mountain, CO. March 16, 2010.

Biological and Chemical Terrorism: Emergency Preparedness. Current Management in Critical Care, Kansas City Southwest Clinical Society, Kansas City, MO, April 29, 2010.

Clinical Toxicology Course. University of Texas Medical Branch, Department of Preventive Medicine, May 3 & 4, 2010, Galveston, TX

Examination of the Cranial Nerves, Marquette University, December 10, 2010, Milwaukee, WI.

Updates in Workplace Drug Testing, Great Plains College of Occupational and Environmental Medicine 33rd Annual Hungate Postgraduate Seminar, Overland Park, KS, February 26, 2011.

Aviation Physiology, FAA ACE Pilot Seminar, Kansas City, MO, April 9, 2011.

Recreational Drug and Alcohol Use as the Cause of Vehicular Accidents, Aerospace Medical Association 82nd Annual Scientific Meeting, Anchorage, AK, May 9, 2011.

An Overview of the Medical Review Officer, Aerospace Medical Association 82nd Annual Scientific Meeting, Anchorage, AK, May 9, 2011.

MRO Roundtable on Supporting the Drug Free Workplace, Aerospace Medical Association 82nd Annual Scientific Meeting, Anchorage, AK, May 9, 2011.

4th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 82nd Annual Scientific Meeting, Anchorage, AK, May 10, 2011.

At the Epicenter: Disaster Medical Assistance Team in Haiti, Aerospace Medical Association 82nd Annual Scientific Meeting, Anchorage, AK, May 11, 2011.

Women in Aerospace Medicine in 1933, Aerospace Medical Association 82nd Annual Scientific Meeting, Anchorage, AK, May 12, 2011.

Prevention of Loss of Hearing in Aviators, Aerospace Medical Association 82nd Annual Scientific Meeting, Anchorage, AK, May 12, 2011.

Medical Care and Evacuation, South Pacific Aviation Emergency Response Workshop, Pacific Islands Applied Geoscience Commission, Nadi Airport, Fiji, July 5, 2011.

Occupational Disease, Workers' Compensation Institute, University of Missouri at Kansas City, November 16, 2011.

Radiation 101. Missouri Disaster Response System Conference. Clayton (St. Louis), MO. March 24, 2012.

An Analysis of the Causes of Disqualification of Five Hundred Applicants Rejected for Flying Training. Aerospace Medical Association 83rd Annual Scientific Meeting, Atlanta, GA, May 15, 2012.

5th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 83rd Annual Scientific Meeting, Atlanta, GA, May 15, 2012.

What Has Changed in 75 Years? Aerospace Medical Association 83rd Annual Scientific Meeting, Atlanta, GA, May 15, 2012.

Addressing Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 83rd Annual Scientific Meeting, Atlanta, GA, May 16, 2012.

Aerospace Medical Factors in Commercial Movies. Aerospace Medical Association 83rd Annual Scientific Meeting, Atlanta, GA, May 17, 2012.

How to do a Disability Exam. Department of Medicine Grand Rounds, Saint Luke's Hospital, Kansas City, Mo, June 1, 2012; Occupational Health Nurses Association, Kansas City, MO, May 8, 2013.

Temporary Total Disability to Maximum Medical Improvement. 38th Annual Workers Compensation Seminar. Kansas Department of Labor. Overland Park Kansas, October 2, 2012.

Travel Medicine-2013, 35th Annual Hungate Postgraduate Seminar, Overland Park, KS, February 23, 2013.

Factors Influencing Altitude Tolerance During Short Exposures to Decreased Barometric Pressure. Aerospace Medical Association 84th Annual Scientific Meeting, Chicago, IL, May 13, 2013.

6th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 84th Annual Scientific Meeting, Chicago, IL, May 14, 2013.

Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 84th Annual Scientific Meeting, Chicago, IL, May 16, 2013.

National Disaster Medical System, American Osteopathic Association Annual Meeting, Las Vegas, NV, October 1, 2013.

Aerospace Medicine Physician on the Disaster Medical Assistance Team: Haiti Relief Effort, American Osteopathic Association Annual Meeting, Las Vegas, NV, October 1, 2013.

Air Transport Flying from the Medical Standpoint, Aerospace Medical Association 85th Annual Scientific Meeting, San Diego, CA, May 12, 2014.

Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 85th Annual Scientific Meeting, San Diego, CA, May 13, 2014.

7th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 85th Annual Scientific Meeting, San Diego, CA, May 14, 2014.

Good Drugs, Bad Drugs and Flight Safety, Garmin International Flight Safety, Olathe, KS, December 8, 2014 and Aero Contractors Safety Standdown, Smithville, NC, January 19, 2017.

Infectious Disease, Vaccines and Health Care Workers. AOHP Employee Healthcare Conference 2015, Blue Springs, MO, April 24, 2015

Aeromedical Jepp-ardy: People In Aerospace You Should Know, Aerospace Medical Association 86th Annual Scientific Meeting, Orlando, FL, May 12, 2015.

Marie Marvingt, La Fiancée du Danger, Aerospace Medical Association 86th Annual Scientific Meeting, Orlando, FL, May 12, 2015.

Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 86th Annual Scientific Meeting, Orlando, FL, May 13, 2015.

8th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 86th Annual Scientific Meeting, Orlando, FL, May 13, 2015.

Forensic Aspects of Accident Investigation (MOC), Aerospace Medical Association 86th Annual Scientific Meeting, Orlando, FL, May 14, 2015, 89th Annual

Scientific Meeting, Dallas, TX, May 9, 2018.

The Independent Medical Examination, Missouri Attorney General Continuing Legal Education Conference, Osage Beach, MO, September 9, 2015.

Medical Causation, Missouri Attorney General Continuing Legal Education Conference, Osage Beach, MO, September 11, 2015.

Aviation Physiology and Mishap Prevention. Cal Fire Annual Safety Seminar, Sacramento, CA, March 9, 2016.

9th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 87th Annual Scientific Meeting, Atlantic City, NJ, April 27, 2016.

Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 87th Annual Scientific Meeting, Atlantic City, NJ, April 27, 2016.

Fatigue-Hazards and Remedies, and Aero Contractors Safety Standdown, Smithville, NC, January 19, 2017.

Maintenance of Certification Board Review-International Health and Travel Medicine, Aerospace Medical Association 88th Annual Scientific Meeting, Denver, Co, May 3, 2017.

Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 88th Annual Scientific Meeting, Denver, Co, May 6, 2017.

Civil Medical Operations in Unusual Environments: Rocky Mountain High-Summit County, Colorado. Aerospace Medical Association 88th Annual Scientific Meeting, Denver, Co, May 5, 2017.

10th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 88th Annual Scientific Meeting, Denver, Co, May 5, 2017.

Preparing for Legal Testimony, American Osteopathic College of Occupational and Preventive Medicine 2017 Annual Meeting, Philadelphia, PA, October 7, 2017.

How to Fail Your Medical and Make Your Survivors Wealthy: Fitness for Duty, and Breaking the Rules. Safety Standdown 2017. Wichita, KS, October 31, 2017.

Traveler's Health, Safety Standdown 2017. Wichita, KS, October 31, 2017.

Opioids and Marijuana in the Workplace: Workers' Compensation Claims. Mission, KS, April 11, 2018.

11th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical

Association 89th Annual Scientific Meeting, Atlanta, GA, May 7, 2018.

Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 89th Annual Scientific Meeting, Atlanta, GA, May 9, 2018.

Fatigue-Physiology, Management and Prevention (7 hour seminar). Aviation Safety Management Systems Program, Aviation Safety and Security Department, Viterbi School of Engineering, University of Southern California, Los Angeles, CA, November 13, 2018.

Forensic Accident Investigation, American Osteopathic College of Occupational and Preventive Medicine, Phoenix, AZ, March 23, 2019.

Flying High-The Opioids Epidemic and Medical and Recreational Marijuana in Aviation, Airline Labor and Employment Law Symposium, Austin, TX, April 12, 2019.

12th Annual Residents in Aerospace Medicine (RAM) Bowl, Aerospace Medical Association 90th Annual Scientific Meeting, Las Vegas, NV, May 8, 2019.

Ethical Dilemmas in Aerospace Medicine. Aerospace Medical Association 90th Annual Scientific Meeting, Las Vegas, NV, May 9, 2019.

Flying Safety Columns in Non-Medical Journals

AOPA Pilot-1996

Airborne Law Enforcement Pilot-2008-

Bonanza Pilot- 2004-6

Cirrus Pilot-2009

Private Pilot-1993-8

Twin & Turbine-1999-2009

TWA Plane Safe-1995-2001

King Air Pilot 2009-