

Boster, Kobayashi & Associates

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THOMAS A. BOSTER, Ph.D., P.E.

Curriculum Vitae
Revised 26 March 2007

EDUCATION:

Ph.D. (Physics), Ohio University, 1966
M.S. (Physics), Ohio University, 1960
B.S. (Physics-Mathematics), Capital University, 1958

PRESENT POSITION: Since 1980

Partner of Boster, Kobayashi & Associates, a consulting firm specializing in the technical aspects of accident reconstruction, highway design and injury causation.

INDUSTRIAL AND ACADEMIC POSITIONS:

Lawrence Livermore Laboratory: 1968 - 1980
Senior Physicist
Group Leader
Division Safety Supervisor

Oklahoma City University: 1965 - 1968
Assistant Professor of Physics
Associate Professor of Physics (with tenure)

Ohio University: 1962 - 1965
Instructor

Northrop Corporation: 1960 - 1962
Electrical Engineer

REGISTRATION:

Registered Professional Safety Engineer
State of California (13 July 1977)
Certificate Number SF 1397
Registered Professional Nuclear Engineer
State of California (12 January 1977)
Certificate Number NU 817

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HONORS:

Elected to Sigma Pi Sigma (Physics Honor Society) Ohio State University 1958
Appointed by the CEO of Northrop Corp. as the Nortronics Representative on the TRIGA
Reactor Advisory Board 1962
Elected to Sigma Xi Ohio University 1963
Danforth Associate Oklahoma City University 1968
Had a paper on X-Ray Lasers sponsored by Dr. Arthur Leonard Schawlow who received the
Nobel Prize in Physics in 1981 and was Chairman of the Physics Department at Stanford
University 1972
Worked directly with Dr. Edward Teller on early phases of the Strategic Defense Initiative
(SDI) 1976
Invited Scientist in Residence, Bexley Education Foundation 2000
Distinguished Alumni of the Year Award, Bexley High School Alumni Association 2002

PROFESSIONAL SOCIETY MEMBERSHIP:

American Society of Safety Engineers
American Society for Testing and Materials
American Physical Society
Society of Automotive Engineers
Human Factors & Ergonomics Society
Illuminating Engineering Society of North America
American Academy of Forensic Sciences, Fellow
The Society of Forensic Engineers and Scientists (Charter Member)
The Navy League
American Society of Photogrammetric Engineering & Remote Sensing (ASPRS)

LISTED IN:

Who's Who in the Safety Profession (1990)
American Men and Women of Science, 12th Edition
American Men of Science, 11th Edition
Personalities of the West and Midwest, 1972 Edition
Who's Who in the West, 14th Edition
Community Leaders and Noteworthy Americans, Volume 12
Society of Automotive Engineers (SAE) Directory of Automotive Consultants
Southern California Directory of Experts and Consultants
Los Angeles County Bar Association: Directory of Experts and Consultants
Who's Who in Leading American Executives
Consultants & Consulting Organizations Directory

UNIVERSITY LEVEL COURSES TAUGHT:

Physical Science, College Physics, University Physics, Mechanics, Thermodynamics, Electronics Laboratory, Nuclear Physics Laboratory, Electricity and Magnetism, Atomic Physics, Solid State Physics, Nuclear Physics, Sound and Optics.

BOOK PUBLICATIONS :

Dielectrics, 1973 (Multiple Authors) The Electrochemical Society

Advances in X-Ray Analysis, 1975 (Multiple Authors) Plenum Press

“Rear-end Impact Testing with Human Test Subjects,” Side Impact, Rear Impact and Rollover, Society of Automotive Engineers (SAE) SP-1616 (2001) (Multiple Authors)

Expert Witness Update: New Developments in Personal Injury Litigation, Chapter Five, “The Human Factors Expert Witness”, 2002, Aspen Law & Business, a division of Aspen Publishers

PUBLICATIONS AND PRESENTATIONS:

Approximately 90 publications or presentations have been completed in the following journals, magazines, programs or bulletins.

Society of Automotive Engineers (SAE), Professional Safety, Applied Optics, Journal of Chemical Physics, Department of Energy Accident Reports, American Journal of Physics, Review of Scientific Instruments, The Physical Review, Bulletin of the American Physical Society, Nuclear Instruments and Methods, IEEE Transactions, Journal of Applied Physics, Canadian Journal of Forensic Science, Program of the Human Factors Society, Caligrams, The State Bar of California Video Library, The Honk: The Official Publication of the San Francisco Pond of the Honorable Order of Blue Goose International, Newsletter of the American Society of Mechanical Engineers, Newsletter of the Marin County Trial Lawyers Association, Bulletin of the California Trial Lawyers Association, Newsletter of The Society of Forensic Engineers and Scientists, Newsletter of the San Mateo County Trial Lawyers Association, Bulletin of the American Board of Trial Advocates, Program of the Consumer Attorneys of California, Program of the National Business Institute, Inc., Program of the American Academy of Forensic Sciences, Program of the CALTRANS Legal Division Tort Conference, Program of the National Safety Council Congress and Exposition, California State Court Reporter, Central Coast Court Reporter, Bulletin of the San Francisco Trial Lawyers Association, Proceedings of the United Nations 4th World Conference on Safety (Amsterdam, The Netherlands), Program of the Joint Seminar of the Association of Defense Counsel (ADC) and Association of Southern California Defense Counsel (ASCDC), Chicago Bar Association’s Young Lawyer Section, Association of Trial Lawyers of America Annual Convention (International Meeting), The International Association of Forensic Sciences, The American Board of Trial Lawyers (ABOTA).

RESPONSIBLE POSITIONS/SPECIAL TRAINING:

Certified by the U.S. Government as an Accident Investigator

This special training was in preparation for allowing qualified safety personnel to respond to accidents on short notice to determine cause and recommend future procedures.

Certified by the U.S. Government as a Human Factors expert in MORT (Management Oversight Risk Tree) to determine potential accident conditions during the initial phase of a project.

Chairperson of International Testing Committee (JOWOG-13) 1977 - 1980

This group was composed of members from the United Kingdom and the United States for the purposes of testing and information exchange.

Advisor to the U.S. Consumer Product Safety Commission

An informal position to supply current safety information on consumer products to the Executive Director.

Group Leader at the Lawrence Livermore Laboratory

During a six year time period, this group of approximately 25 scientists and engineers and numerous support people was responsible for diagnostic testing.

Member of the Mine Rescue Team

Trained and certified by the U.S. Bureau of Mines in mine safety.

Instructor at the National YMCA Scuba Diving Leadership Training and Certification Institute Program (1966-1967)

Division Safety Staff Member at the Lawrence Livermore Laboratory

Prime responsibility for safety in L and Z Divisions.

Counselor for Merit Badges (1970 -1979) Boy Scouts of America

Troop 935, Boats and Water Sports

Associate Advisor (1965 - 1968) Boy Scouts of America Explorer

Post 608, Electronics

Review and Editorial Consultant

For the Center for Occupational Research and Development (Technical Education Research Center, South West) Waco Texas

Certified by the CICB as a Crane Safety Inspector

RESPONSIBLE POSITIONS/SPECIAL TRAINING: Cont'd

Voting Member of The Canvass on Business and Institutional Furniture Manufacturer's Association (BIFMA) and American National Standards Institute (ANSI) specifications on office furniture.

Member of the American Society for Testing and Materials (ASTM) Committee E-30 on Forensic Engineering.

Chairperson of the American Academy of Forensic Sciences Committee on Private Investigators

Chairperson of the American Academy of Forensic Sciences (Engineering) Awards Committee

Staff Consultant (Past and Present)

Stanford Research Institute, Menlo Park, California

Advanced Research and Applications Corporation, Sunnyvale, California

The Lawrence Livermore National Laboratory, Livermore, California

The Academy of Motorcycle Training, San Diego, California

The Oakland Police Department

Elected to a three year term on the Board of Directors of Canterbury Place in Honolulu (Waikiki), Hawaii

UNITED STATES GOVERNMENT SECURITY CLEARANCES GRANTED:

CONFIDENTIAL, United States Information Agency, Washington, D.C. – 1958

SECRET, United States Air Force, Palos Verdes, CA – 1960

“Q” CLEARANCE, U.S. AEC and U.S. DOE, Livermore, CA – 1968

TOP SECRET, U.S. State Department, Washington, D.C. - 1979