

SUMMARY OF CURRICULUM VITAE

Dr. C. J. Abraham, P.E.

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EDUCATION & CERTIFICATIONS

- P. E. - Licensed Professional Engineer (Safety Engineering)
- CPC, CChE - Certified Professional Chemist & Chem. Engineer (National Inst. of Chemists & Chemical Engineers)
- FRSC, CChem - Chartered Chemist and Fellow (Royal Institute of Chemistry, London, England)
- DEE, IH-Diplomate, American Academy of Environmental Engineers, Industrial Hygiene Engineer
- FTL, Ctext - Fellow, The Textile Institute (Manchester, England)
- Certified - Arson Detection by the Federal Bureau of Alcohol, Tobacco and Firearms (U.S. Dept. of the Treasury)
- Certified - Chemical Engineer #0118-003-3, The American Institute of Chemical Engineers
- Certified in Warnings & Instructions Specialist
- BCFE - Board Certified Forensic Examiner
- Fellow - American College of Forensic Examiners
- Diplomate of the American Board of Forensic Engineering & Technology
- MS (physical organic chemistry)
- Ph.D. (organic chemistry)
- D.Sc. (Administrative Management)
- Juris Doctorate
- Permanent Certification, University of the State of New York - Chem., Physics, Math, Gen. Science

PROFESSIONAL EXPERIENCE (Technical)

- Experience in new product development, manufacturing, packaging, standards, warnings and instructions.
- Extensive experience in the identification, elimination and control of hazards to people and property. This includes the development, establishment, manufacturing, construction, assembly, testing, operation, training and procedures including manuals, environmental engineering and industrial hygiene, warnings & instructions for consumer products.
- Authority in the fields of products liability, OSHA, Labor Law, safety and safety engineering and construction accidents.
- Contributing author to the PRODUCT DEFECT HANDBOOK.
- Lectured and taught at various universities in the United States and Europe.

- Published papers in the areas of fires, explosions (gas, bottle, battery), plastics, toxic torts, flammable fabrics, safety engineering and design, sports safety, household and industrial product safety.
- Patentee of many products, including protective headgear (face mask used in football - licensed to Riddell), enhancement of energy absorption for protective headgear and equipment, safety shields for batteries, insulation materials used on missiles, household products, and non-toxic insect repellents worldwide. Copyright Registrations in the areas of battery warnings and instructions, toxic materials, household products and insect repellents.
- Experienced in animal and human health products, new product development, EPA, product data specifications, testing and analysis.
- Member (former) of the Advisory Board - World Congress on Industrial, Technical, and High Performance Textiles (Great Britain); former member of the Advisory Board-American Board of Engineering and Technology (USA).
- Member, Architectural Review Board, Village of Great Neck, Great Neck, NY.
- Member - ISO/TC 181/SC: Safety of Toys.
- Member of the ASTM, (1964-present).
- Member of the Human Factors/Ergonomics Society.
- Member of the NFPA.
- Over 85 publications and presentations.
- Patentee of products produced and used throughout the world (over 38).
- Consulted to ABC and CBS News, Eyewitness News (ABC) and the Discovery Channel.
- Consulted to the Department of Agriculture (Bureau of Mines).
- Consulted to the National Highway Traffic Safety Administration (NHTSA).
- Consulted to the Department of Labor (OSHA).
- Consulted to construction companies in the area of safety for their employees applying OSHA and ANSI standards for high elevations.
- Consultant on Warnings & Instructions to the Unified Abrasives Manufacturer's Association.
- Consulted to Hudson Bay stores, Canada in risk assessment and human factors.
- Consulted to Home Depot in risk assessment and human factors.
- Consulted to the American Textile Company (warnings & instructions).
- Consulted to Estwing Manufacturing Co. (warnings and instructions).
- Consulted to Sherman Williams;
- Consulted to The Thompson's Company - Water Seal Product
- Consulted to the Long Island railroad.
- Consulted to the New York Transit.
- Consulted to the Queensborough Bridge authority.
- Consulted to Sherwin Williams.
- Consultant to the estates of the deceased and the foreigners that escaped in the Kaprun fire disaster case in Kaprun, Austria.

PROFESSIONAL EXPERIENCE (Sports & Recreation)

- Over 30 years of international experience in all types of sports, recreation and playground accidents

- Former Director of Sports, Recreation & the Athletics Division of a national consulting firm for twenty-eight years.
- Experienced in the identification, elimination, and control of hazards in recreation facilities, parks and school environments.
- Directly involved with sports & recreation safety standards, safety and design analysis of protective equipment, consumer products, warnings and instructions.
- Consulted to municipalities on park & recreation facilities, and Set Makers, Inc., the manufacturer of recreation facilities for Burger King and McDonald's restaurants.
- Member of the Executive Committee and consultant in the area of engineering and human factors to the Hockey Equipment Certification Council (HECC) (1980-1998).
- U.S. Delegate - International Standards Organization (ISO) (1988-1998).
- Member Safety & Protective Equipment Committee (SPEC) of USA Hockey.
- Inventor of the Bio-Lite football facemask licensed to Riddell.
- Inventor of the ForceField Headband (www.forcefieldheadbands.com)
- Creator of warnings and instructions for many sports products.
- Consulted to Lobster, Inc. on safety and warnings (High speed tennis machine).
- USPTA-certified tennis instructor (United States Professional Tennis Association).
- Diplomat - American Board of Forensic Examiners in Sports & Recreational Safety.

**FOR LIST OF PUBLICATIONS AND PATENTS REFER TO
www.scientificadvisory.com**