



SUMMARY

Mr. Bressler has over 50 years of experience in the power industry and an international reputation as an expert on the use and interpretation of the American Society of Mechanical Engineers' Boiler and Pressure Vessel Code (ASME Code). The primary purpose of this Code is to provide rules and requirements for the design of boilers and pressure vessels to assure their safety, and to prevent explosions and failures in power and industrial plants that could jeopardize life and property. He is in demand as a speaker, lecturer, and teacher and has made presentations throughout the United States, and in Japan, Canada, Mexico, Great Britain, Argentina, Belgium, West Germany, China and Slovenia.

Mr. Bressler specializes in materials technology and applications; quality assurance (QA) requirements for nuclear power plant components; and QA management audits. He also provides services in design, fabrication and inspection requirements for pressure vessels, pumps, valves, heat exchangers, quick opening manways, flanges and pipeline products. He is also involved in litigation and failure analysis for the power, petroleum and chemical industries.

EDUCATION/CERTIFICATIONS

- Bachelor of Mechanical Engineering degree from Cornell University, 1952
- Master of Science degree in Mechanical Engineering from Case Institute of Technology, 1960 and graduate work at the University of Akron, OH, and the University of Delaware, Newark, DE
- Certificate of Achievement from Cornell University equating his BME to a Master of Engineering degree under the College of Engineering's current curricula.
- ASME Century Medallion award in 1980 for contributions to the Society's Codes and Standards program at the national level.
- 1992 winner of the Bernard F. Langer Nuclear Codes & Standards Award, the 1996 J. Hall Taylor Medal, and the 2001 Dedicated Service Award.
- Life Fellow of ASME, a member of ASTM, and the Cornell Engineering Alumni Association.

PROFESSIONAL EXPERIENCE

- April 1955 to June 1966; Babcock & Wilcox Company, Barberton, OH. Positions held included: Boiler design draftsman; Stress Analyst; Materials Engineer (1960), specializing in materials properties and materials application; Technology Supervisor, Materials and Stress Analysis (1961).
- 1966 to 1971 Chief Design Engineer for the Gulf + Western Energy Products Group, Lenape Forge Division, West Chester, PA, and manager, product design and development for its Taylor Forge Division, Chicago, IL.
- 1971 to 1988, Tennessee Valley Authority, Knoxville, TN, as expert in Codes and Standards. Established and supervised a central organization knowledgeable in codes, materials, welding, fabrication and nondestructive examination. From 1979 to 1988 he was the Senior Engineering Specialist, Codes and Materials, in the Division of Nuclear Engineering.

- 1988 to Present. M. N. Bressler, PE, Inc., President and Chief Consultant, specializing in codes and standards; materials technology and applications; quality assurance requirements for nuclear power plant components

Codes and Standards Activities:

Began attending Code Committee meetings in June, 1960, and participated in the Ad Hoc Committee to Review Code Stress Basis, which wrote Section III, Nuclear Vessels, first published in 1963. Responsible for the Design Stress Intensity Tables in Section III, and USAS B31.7, Nuclear Power Piping. Appointed to the subcommittee on Openings and Attachments (1963), and the subgroup Materials (SC VIII) in 1968.

After joining TVA in 1971, he was appointed to the ASME Code's subcommittee on Nuclear Power and to its subgroups on Materials and on Elevated Temperature Construction (1972). A member of many task groups, his background in code activities resulted in a steady progression of assignments in the Nuclear Power Committee.

1974 he became Chair of the working group on Valves and a member of the subgroup on Design, and in 1975, Vice Chair of the subcommittee on Nuclear Accreditation (SCNA). 1977 appointed Chair of the working group on Component Supports.

1979 became a member of the ASME Boiler & Pressure Vessel Main Committee

1988 appointed to the Main Committee of the N626 Committee on Qualifications and Duties for Authorized Nuclear Inspection and Specialized Professional Engineers. He served as its liaison member with the subcommittee on Nuclear Power (SC III). This committee was reorganized in June 1995, as the Committee on Qualifications for Authorized Inspection, and he served as a member until August, 2005.

1992 and 1993 he completed fifteen years as Chair of the working group on Component Supports and Vice-Chair of SCNA, respectively, and still serves as a member of SCNA. He was appointed to the Subcommittee on Materials in 1993, and served on the subgroup on Repair and Replacement Activities (SC XI) from 1992 to 2005.

Member at Large of the Board on Nuclear Codes and Standards and is Chairman of its Honors and Awards Committee. He is also a Member at Large on the Board on Conformity Assessment, and a past member of its Committee on Conduct of Certification and Accreditation Activities.

Member of ASTM Committee A-1 on Steel, Stainless Steels, and Related Alloys, and many of its subcommittees. He serves on ASTM B-2 on Nonferrous Metals and Alloys and subcommittee B02.07 on Nickel, Cobalt and their Alloys.

On the Technical Advisory Committee of the Materials Properties Council and its subcommittee on Fabrication and Welding. Served on the Taskgroup on Welding, Metallurgy, Piping and Corrosion of the Edison Electric Institute's Prime Movers Committee. Member of the Welding Research Council's Pressure Vessel Research Committee.

Registered Professional Engineer (Mechanical): Tennessee, since 1973; Ohio, 1959-2001).