

BRIEF BIOGRAPHY OF RICHARD GEORGE BREWER

- Born: Los Angeles, California, December 8,1928
- B.S. - California Institute of Technology, Pasadena, 1951
- U.S. Army Draftee, 1955-57
- Ph.D. - University of California, Berkeley, 1958
- Eastman Kodak Fellow, 1957-58
- Instructor, Harvard University, Cambridge, 1958-60
- Assistant Professor, University of California, Los Angeles, 1960-63
- Research Staff Member, IBM Research Laboratory, San Jose, California, 1963-73
- Visiting Professor of Physics, Massachusetts Institute of Technology, Cambridge 1968-69
- IBM Fellow, San Jose, California, 1973-94; currently IBM Almaden Research Center
- IBM Fellow Emeritus, 1994-present
- Visiting Professor of Physics and Applied Physics, University of Tokyo, Spring 1975
- Visiting Professor of Physics and Chemistry, University of California, Santa Cruz, Fall 1976
- Consulting Professor of Applied Physics, Stanford University, 1977-present

FELLOWSHIPS AND AWARDS

- IBM Fellow
- Fellow of the American Physical Society
- Fellow of the Optical Society of America
- Elected Member of the National Academy of Sciences,1980
- Albert A. Michelson Gold Medal of the Franklin Institute,1979
- California Institute of Technology Distinguished Alumni Award,1994

•Charles Hard Townes Silver Medal of the Optical Society of America, 2000

Richard Brewer has made significant contributions to atomic physics, laser spectroscopy and quantum optics, research which has appeared in about 150 publications in books and physics journals. (A personal account is in *Memoirs*, R.G. Brewer, Bohr Library, American Institute of Physics, MD, 2004.) His approach to a problem always involves an interplay between theory and observation. Throughout this work, fundamental problems were addressed using novel and simple laser techniques. Most of the work was carried out at IBM with young visiting scientists, experimentalists and theorists, from all over the world who went on to occupy important academic positions. In addition, a few collaborations were with such luminaries as Edward Teller at UC, Berkeley, Charles Townes at MIT, Ali Javan at MIT, and Erwin Hahn at UC, Berkeley. He also contributed importantly to the advancement of physics by initiating with Aram Mooradian the highly successful International Conference on Laser Spectroscopy, a conference series that continues today after 34 years.