

CURRICULUM VITAE of ROBERT M L BAKER, JR

Robert M L Baker, Jr. was born Los Angeles, California on September 1, 1930. He earned a bachelor's degree in Physics at UCLA with highest honors (summa cum laude), Phi Beta Kappa, earned a master's degree in Physics and a Ph.D. in Engineering at UCLA-- the Ph.D. degree with a specialization in space navigation was, according to UCLA officials, the first of its kind to be granted in the United States. Faculty of the Department of Astronomy at UCLA from 1959 to 1963 and the Department of Engineering and Applied Science at UCLA from 1963 to 1971 as a Lecturer and Assistant Professor. Head of the Lockheed Astrodynamics Research Center, from 1961 to 1964, was Editor of the Journal of the Astronautical Sciences, from 1963 to 1975, was appointed by the U S Secretary of Education, William Bennett, to the National Advisory Committee on Accreditation and Institutional Eligibility of the Department of Education from 1987 to 1989 and President of West Coast University, an ABET accredited university for the adult learner. Dr. Baker has published four books and more than 200 technical papers. He won the UCLA Physics Prize, was recipient of the AIAA's Dirk Brouwer Award for outstanding contributions in Astrodynamics and orbital mechanics, Junior Chamber of Commerce Man of the Year awarded by Ronald Regan and the 2011 "Outstanding Lifetime Achievement in the Field of High-Frequency Gravitational Waves" Awarded by the International Institute of Information and Systems (IIIS). He was Vice Chairperson of the first International High-Frequency Gravitational Wave (HFGW) Conference and Workshop, appointed Chairman of the HFGW Symposium at the Johns Hopkins University Applied Physics Laboratory in 2010 and keynote address at the 3rd HFGW International Workshop in 2017 at Chengdu, China., Associate Fellow AIAA and is a Fellow of the American Association for the Advancement of Science. Dr. Baker has been interested in the dynamics of gravitational fields since the 1950s, gravitational-wave research since the early 1960s and cosmology since the 1990s. He holds six patents and several pending patents in the United States, Europe, Canada and China in the areas of hydrofoil -ridged airfoil sail craft, electronic non-invasive facelift devices, HFGW applications such as gravitational-wave generation & detection in the laboratory and airborne remote-controlled grape harvesting devices. In his 90s Baker perfected his new Rollout Theory of our Universe and theorized the Cosmic Gravitational-Wave Background.

Dr Baker married his wife, Bonnie Sue, in 1964 and has three grown children and four grandchildren. He and his wife reside in Palm Desert, California.

Robert M L Baker, Jr. June 2, 2021