

***Robert M. L. Baker, Jr.***

Robert M. L. Baker Jr., was born in Los Angeles on September 1, 1930. He has been married to his wife Bonnie since 1964 and has three grown children. Baker earned a bachelor's degree in Physics at UCLA with highest honors (*summa cum laude* – first in his class) was elected to *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 aerospace was, according to UCLA officials, the first of its kind to be granted in the United States. Dr. Baker was on the 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. During that time he was a Lecturer at the *United States Air Force Academy*. While on a two-year tour of active duty in the Air Force he worked on a variety of classified aerospace projects. He was the head of the Lockheed's *Aerodynamics Research Center* in Bel Air, California and in 1964 joined *Computer Sciences Corporation* as the Associate Manager for Mathematical Analysis. In 1980 he was elected President of *West Coast University*, an accredited university for the adult learner now operating under the auspices of *American Career College* in Los Angeles. After retiring from West Coast University in 1997 as President and Professor of Engineering, Dr. Baker became the Senior Consultant for *Transportation Sciences Corporation* and *GRAVWAVE<sup>®</sup> LLC*. He won the UCLA *Physics Prize*, was recipient of the *Dirk Brouwer Award* for outstanding contributions in astrodynamics and orbital mechanics, and was a recipient of the *Outstanding Man of the Year Junior Chamber of Commerce* award in 1965 presented to him by Ronald Reagan. He is a *fellow* of the *American Association for the Advancement of Science*. He was national chairman of the Astrodynamics Technical Committee of the *American Institute of Aeronautics and Astronautics* (AIAA) from 1961 to 1964, was Editor of the *Journal of the Astronautical Sciences* from 1963 to 1975, was appointed by William Bennett to the *National Advisory Committee on Accreditation and Institutional Eligibility* of the Department of Education from 1987 to 1989, was appointed to the *Academic Review Committee on Gravitational Research* with the U. S. Army from 2001 to 2003, Head of Committee on High-Frequency Gravitational Waves of the *Oakland Institute for Gravitational Wave Research 2002-*, Vice Chairperson of the first International HFGW Conference at the MITRE Corporation in 2003, Advisory Professor *Chongqing University*, China 2004, and was the author of several textbooks and over one hundred company reports, symposium papers, and journal articles in the area of astrodynamics, celestial mechanics, and High-Frequency Gravitational Waves (HFGWs) including *An Introduction to Astrodynamics* (1960) with Maud W. Makemson and *Aerodynamics: Applications and Advanced Topics* (1969). Dr. Baker has been Project Manager on three prototype development, fabrication, and test projects under contract to the U. S. Navy and Principal Investigator on several NASA and USAF projects while head of Lockheed's *Aerodynamic Research Center*. As President of *West Coast University* Dr. Baker coordinated the activities of six groups of scientists and engineers spread throughout Southern California. Dr. Baker has been interested in the dynamics of gravitational fields since the 1950's and gravitational-wave research since the early 1960's. He holds five patents and 16 pending patents in the United States, Europe, Russia, and China in the area of gravitational-wave generation and detection in the laboratory.