

## **Dr. Harold A. Rosen**

- Dr. Harold A. Rosen, a founder of the modern communications satellite industry, is a consultant for Boeing Satellite Systems (BSS), the world's largest manufacturer of commercial communications satellites.
- Dr. Rosen led the team that developed Syncom, the world's first synchronous communications satellite, for which he was inducted into the National Inventors Hall of Fame in May 2003.
- Rosen's groundbreaking work in communications technology began in 1959 with his concept of a small, spin-stabilized satellite.
- His work on the Syncom and Applications Technology Satellite (ATS) programs, developed for NASA by the then Hughes Aircraft Company, helped make the power of communications satellites available all over the world.
- Dr. Rosen's awards are as numerous as his accomplishments.
- He holds more than 60 patent awards and was honored by the Patent Law Association of Los Angeles as Southern California Inventor of the Year in 1973.
- He received his bachelor's degree in electrical engineering from Tulane University in 1947 and received master's and doctorate degrees from Caltech in 1948 and 1951, respectively.
- Tulane granted him a doctor of science degree in 1975 for his contributions to communications technology, and the next year Caltech named him a Distinguished Alumnus.
- Dr. Rosen retired from Boeing in 1993 after a 37-year career.

Arthur C. Clarke, who has been largely credited with coming up with the practical idea of communication satellites and named the "father" of the communications satellite industry, modestly declines the honor (preferring to be known as the "godfather"), naming instead two CalTech products (the prestigious California Institute of Technology) as the true fathers of communications satellites-- Drs. John Pierce and Harold Rosen. "John Pierce and Harold Rosen are the fathers of the communication satellite," said Clarke. "They designed, developed, and produced it, making real that which I and others thought only to write and dream about."