

## **Robert J. Milligan (1940-2008)**

Robert J. Milligan. was born 8-22-40 in San Bernardino, CA and died 6-24-08 in San Jose, CA. Bob received a BS degree in Chemistry from UC Riverside and an MS degree from San Diego State University. He lectured at the University of Oregon, San Diego State and San Jose State Universities until 1971. He then worked as a Senior Chemist for Whittaker Corporation where he received a patent for work in prepolymer formation. From 1975-79 he worked as a Staff Chemist at the Aerotherm Division of Acurex Corporation. From 1979 through 2003 he worked for Lockheed Missiles and Space Company as a Materials and Processes Engineer developing materials and processes for applications to Lockheed space systems. After retiring from Lockheed Martin Space Systems as a Senior Staff Engineer, from 2003-2007 he continued to consulting with Lockheed Martin.

Throughout his professional career, Bob was active in the Society for the Advancement of Materials and Processing Engineering, serving as treasurer of the San Diego chapter and then in a number of Executive Committee positions with the Northern California Chapter including Chapter Chair in 1985-6. For over 20 years Bob served as chapter historian and member of the annual Composites Workshop Committee for the N. Cal. chapter of SAMPE.

During his retirement, Bob became active in materials and process studies relating to how to establish a self-sustaining industrial settlement on Mars. During the last 2 years, he was consultant to 4Frontiers Corporation, an emerging space commerce company focused on the settlement of Mars. His recent publications related to this effort include Polymer Synthesis and Production Systems (Mars Soc. 2005), A Study of Industrial Processing at the 4Frontiers Generation II Permanent Mars Settlement, and he sole authored papers on Martian cements and Organic Chemical Syntheses on Mars (the latter three, Mars Soc. 2007).

He is survived by his wife, Nancy, his sister Jane Halsted and nieces Mary Graves and Nancy Turley and nephew William D. Halsted III. Memorial service to be held at a later date through the California Cremation Society. Donations can be sent to Hospice of the Valley and the [American Cancer Society](#).

Edited by Frank Crossman, 13 July, 2008