

The following is the draft of the postscript for a book "The Extraterrestrial Solar Spectrum" (edited by A. J. Drummond and M. P. Thekaekara) which will be published shortly by the Institute of Environmental Sciences. It is being sent to a few of Andy's many friends; they may wish to point out some important point which I have overlooked or may find some other use for this material.

POSTSCRIPT: A TRIBUTE TO ANDREW J. DRUMMOND

Andrew J. Drummond died at Newport, Rhode Island, on August 26, 1972. This book which represents his last major work in his special field is one of which he always spoke with a great deal of enthusiasm. Before he died, he had laid out the general plan of the book, had written in final form the first Chapter and had done some of the editing of Chapter 4. The publication of the book was delayed because of his illness. Let me hope that its quality has not suffered too much because of less competent hands which took over the unfinished task.

Andrew Jamieson Drummond was born on September 5, 1917, at Bellshill, Scotland. He was educated at Alva Academy, and from there entered St. Andrew's University as the recipient of a scholarship and of the coveted Dux Medal for ranking first in all of Scotland in the subject of history. St. Andrew's changed him into a physicist and meteorologist. The loss to

history turned out to be a history-making gain to radiometry. In 1941 he joined the staff of Kew Observatory, England, where he later became head of the Meteorological Division. From 1949 to 1956 he was in South Africa as the head of the Radiation Service of the Weather Bureau. With Pretoria as his home base, he built a superb network of radiometric stations covering the whole country. But the world and not South Africa was destined to be his field of work. He played a leading role in preparing for the International Geophysical Year and in setting up the International Pyrheliometric Scale of 1956.

In 1956 he came to the U.S. as Chief Scientist of the Eppley Laboratory, a position which he held till the time of his death. He pioneered in many new directions with improved radiation detectors, standard sources of total and spectral irradiance, new techniques of measurement and the like. As he grew in stature as one of the world's leading authorities in radiometry and the measurement of the Sun's energy, the Eppley Laboratory grew along with him and became the focal point of a brilliant group of scientists and technicians. Radiometry was for him a science and an art; he was a tireless experimenter with a craving for precision. He organized or took part in numerous intercomparisons of radiometric standards in many parts of the world, the last of which was the first intercomparison of Working Standard Pyranometers held at GSFC in May 1971. He served for many years on the Radiation Commission of IAMAP of the IUGG. He directed the Eppley

Series of Lectures on Radiometry, published over a hundred scientific papers, edited or co-authored several books, took an active part in the World Meteorological Organization and its many working groups. From 1968 to 1971 he was Editor-in-Chief of Solar Energy, the ISES journal. He was co-investigator for BOMEX and was actively involved in GARP. The ERB experiment on upcoming NIMBUS F was a great dream of his which he did not live to realize. His international stature and wide experience and the extensive results of the Eppley-JPL experiment which he directed were invaluable for establishing the standard values of the solar constant and the solar spectrum.

Andrew Drummond was a Fellow of the American Physical Society and of the Institute of Physics (London), also a member of numerous other professional societies, including RMS, AMS, AIAA, AGU, ISES, OSA. A man of ebullient energy and enthusiasm and of warm-hearted sympathy, he cemented bonds of close friendship with unnumbered fellow scientists in every part of the world. They miss him greatly as they mourn his untimely death. He is survived by his wife Renée (née Gouly), daughter Susan and son Francis.

M. P. Thekaekara