



The SCOSTEP Distinguished Service Award for 2013 is given to **Mr Joe Haskell Allen** for his outstanding service to the SCOSTEP community in particular and to the broader space science community in general. Joe Allen's service to space research and to SCOSTEP began when he commenced his scientific career in 1963 after he joined what was to become the NOAA Geophysical Data Center. It coincides with development of SCOSTEP, first as an ICSU Inter-Union Commission, then a Special Committee in 1972 and finally as a Scientific Committee in 1978. Joe Allen played a key role in the first SCOSTEP international science program, the *International Magnetospheric Study (IMS)* that commenced in 1976. He established and ran the Central Information Office

(IMSCIE) that help coordinate the various activities and bodies that were involved in IMS. Joe established the IMS Newsletter and mailed it out regularly to a worldwide network of space scientists. The initial mail out was 1200, rising to 4000 by the end of IMS. The newsletter enabled global coordination of scientific activities in the days before the Internet. As a service to the broader community Joe developed a number of indices to delineate solar effects on the Earth's magnetic field, including the widely used AE index. His investigations of solar-induced magnetic field disturbances led to his growing realisation through the 1970s of the links between short-term solar disturbances and satellite anomalies of many types, including total satellite failure. Initially, this work was not always appreciated and sometimes ridiculed, but his persistence led to a broader understanding of short-term solar impacts on geospace, now called "space weather." In fact, Joe was one of the first to use this phrase. The failure of the Galaxy-4 satellite in 1998 and Baker and Allen's subsequent investigations led SCOSTEP to declare April-May 1998 a "special study interval", outcomes from which were the focus of many papers at SCOSTEP meetings, especially at the STP Symposium in Sapporo, Japan, 2000. Other examples of Joe's active involvement in SCOSTEP activities, such as workshops and the quadrennial international symposia, include service on scientific and local organizing committees (e.g. on the Eighth International Symposium on Solar-Terrestrial Physics (STP-8), Sendai, June 1994, and STP-10 held in Longmont, 2001.) While his position at NOAA did not require Joe Allen to publish extensively, he nevertheless published a number of papers on the impacts of space weather on technology as well as conference reports. He also served on many National Academy of Sciences working groups and panels, with similar service on panels for ICSU unions and associations e.g. COSPAR, IAGA. In a more personal sense, Joe used his position of knowledge about space datasets to help people in the space operations arena analyze and interpret satellite failures and anomalies. His dataset of spacecraft anomalies was likely the largest in the civilian community. He had many friends and acquaintances in the space business and they all knew they could rely without fail on Joe's discretion and absolute integrity when it came to revealing spacecraft upsets and operational problems. When Joe retired formally from NOAA in 1994, he continued this important work and collaborates with an international group of scientists interested in the topic of solar interactions with spacecraft in orbit, astronauts, and ground-based technology and the intensity and effects of global geomagnetic storms and auroral substorms. Perhaps Joe's most significant service to SCOSTEP was as Scientific Secretary (SS), a position that he held from 1994 to 2006, making him one of the longest serving members in this position. It is difficult to overstate the importance of the Scientific Secretary to the successful running of SCOSTEP; the responsibilities are many and varied. Accountable to the President and the Bureau, the SS is responsible for the day-to-day running of the organisation. The SS looks after the SCOSTEP finances and liaises regularly with National Adherents and participating bodies and organises the quadrennial elections for President and Vice President. Joe excelled in the position. His extensive knowledge of US and international space programs and bureaucracies and his many contacts were invaluable.

Joe H. Allen is awarded the SCOSTEP Service Award for his selfless service in supporting SCOSTEP programs. This service covers virtually all aspects of SCOSTEP activities, including serving as Scientific Secretary for 12 years and for his outstanding contributions to the solar-terrestrial community over nearly four decades.