

## Introducing the new Editor-in-Chief of Space Communications

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Dear Reader,

This note is my self-introduction to the readers of *Space Communications – an International Journal*. I undertook this task when my predecessor, Ed Ashford felt he could no longer sustain the duties, given his other obligations. I feel very strongly that this journal has carved out a place in the literature of our field and should continue to provide a platform for authors who wish to address the satellite telecommunications community in our genre.

The field of our endeavours, in my opinion, all matters related to space telecommunications in its broadest sense. This includes, of course, the technology, systems, networks and applications of space and satellite-based communications systems and their interfacing with terrestrial-based systems and applications. It also includes the business, regulatory and legal aspects related to them. Beyond these obvious categories, I would also include the directly-related fields of launch technology, systems and logistics insofar as they apply; also the generation, conditioning and transmission of power in space that could be applied to space communications; and finally the acquisition of data to be transmitted over space-based and interfaced communications systems and networks. This includes remote sensing systems and space-based experiments, again as they impact our concerns.

I have been involved in publications, apart from authoring papers, for over twenty-five years. First as a member of the founding board of editors of COMSAT Technical Review, then as Publications Committee Chair for several conferences, and finally assuming the task as Editor of COMSAT Technical Review for a number of years. I have also edited a number of Special Issues, publications such as the triennial Review of Radio Science (URSI) and major reports along the way.

Geoffrey Hyde  
*Editor-in-Chief*

### *Professional career*

Upon graduation in 1953, Dr. Hyde joined General Electric in Ontario, Canada. In 1955 he joined Sin-

clair Radio Laboratories in Toronto where he designed antennas and microwave devices until 1958, when he went to work for Avro Aircraft on antennas for the CF-105 Avro Arrow. In May 1959 he was hired by RCA Missile and Surface Radar Division in Moorestown, NJ. He participated in the Lunar Excursion Module program from preproposal studies through the design efforts. In June 1968 Dr. Hyde joined COMSAT Laboratories, where he worked on communication satellites until retirement in 1989, first as Assistant to the Director R.F. Transmission Laboratories, then in 1974 as Manager, Propagation Studies Department, and finally Assistant to the Director, COMSAT Laboratories, with major responsibilities toward managing the Labs R&D programs.

After retirement in June 1989, Dr. Hyde consulted for COMSAT Laboratories and others, mainly AMSC. His efforts for AMSC dealt with communications systems, antennas (L- and Ku-band), beam forming networks testing, and in-orbit test (IOT) methods, equipment design, testing and IOT of the AMSC M1 satellite. He also edited the 1993 NASA/NSF-sponsored review of satellite communications systems and technology. In 1996 he prepared a detailed report on laser satellite communications for the IEEE Aerospace Policy Committee. Dr. Hyde continues to publish in professional journals in the USA and abroad.

### *Education*

B.A.Sc. (Eng. Phys.), University of Toronto, 1953  
M.A.Sc. (E.E.), University of Toronto, 1959  
Ph.D. (E.E.), University of Pennsylvania, 1967

### *Professional activities and awards*

Dr. Hyde is a Life Fellow of the IEEE and a member of its Aerospace Policy Committee: a member of the AIAA and US URSI Commissions B and F. He was a member of the US CCIR SG 5. He is a registered professional engineer in Ontario, Canada. His awards include Fellow of the IEEE, 1968 IEEE APS best paper award, and David Sarnoff Fellowship awards for 1965 and 1966. He has published many papers, authored and co-authored chapters in a handbook and an encyclopedia on antennas and satellite communications and holds patents in these areas.