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## **Looking back; an homage to colleagues**

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In reflecting on a long career in Radioscience I take pleasure in mentioning a number of people with whom I have had the pleasure of working. These people have devoted long careers to Radioscience or related fields, but by and large have not received the recognition they deserve. Among the earliest is Harry A. Taylor, Jr., of GSFC, whose fine work with ion mass spectrometers on the OGO satellite series in the 1960s led to the first in situ measurements of the plasmopause in both He<sup>+</sup> and H<sup>+</sup> and to the first identifications of the projection to the ionosphere of what is now called a plasmasphere plume. Then there is Roger Anderson of the U. of Iowa, who developed reservoirs of satellite wave data and extracted plasma density data from those reservoirs for so many of us to use. Roger's ISEE-1 data gave us a unique view of plasma density near and well beyond the plasmopause, while his CRRES data have given us an unprecedented view of the plasmasphere itself. There is Yvonne Corcuff, of the U. of Poitiers, who from the outset of our careers shared with me an enthusiasm for VLF data, and whose brother Pierre during his brief life made some pioneering contributions to knowledge of plasmasphere shape and dynamics. I cannot give enough praise to Ev Paschal and Mike Trimpi, Antarctic explorers and pioneers extraordinaire, nor will I forget my earliest Stanford colleague John Katsufakis. Close to me at Stanford there is Timothy Bell, whose theoretical insights have been a critical addition to my work on high altitude radio sounding. Known to many at VERSIM is Andy Smith of BAS, with whom I had the pleasure of collaborating throughout the 1980s as we used spaced-station Antarctic data to investigate longitudinal ripples in the plasmasphere radius and the effects on subionospheric Siple transmitter signals of wave induced particle precipitation, among other topics. At GSFC there is Bob Benson, specialist par excellence in resonance phenomena observed from sounders. At the U. Alaska Fairbanks there is Vikas Sonwalkar, helpful on just about everything I have done in recent years. The list goes on and on: Inger Marie Unstrup, K. Tsuruda, Wynne Calvert, Barbara Giles, Iwane Kimura, Desanka Sulic.....what a privilege it has been to have colleagues such as

these!