

## **Paul A. Newman**

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Dr. Paul A. Newman studies the Earth's atmosphere and, particularly, the ozone layer. He is a leader in aircraft use for atmospheric research, and is the Chief Scientist for Earth Sciences in the Earth Sciences Division at NASA's Goddard Space Flight Center. Newman has been the co-chair of the Scientific Assessment Panel for the Montreal Protocol since 2007, the landmark international treaty banning ozone-depleting substances to protect Earth's ozone layer.

A Seattle native, he earned his degree at Seattle University, and his Phd at Iowa State University. Newman was a National Research Council postdoctoral researcher at NASA Goddard, worked for several years as science contractor, and became a NASA civil servant scientist in 1990.

Newman has authored more than 177 refereed scientific papers and reports, including several significant studies of atmospheric ozone. He helps direct Goddard's analysis of the dynamics, chemistry, and radiative properties of the atmosphere.

He has participated in or led more than 17 aircraft field campaigns. During the SAGE III Ozone Loss and Validation Experiment (SOLVE), Newman directed the first flight of the NASA ER-2 over Russia, a civilian version of the U-2 reconnaissance plane that was converted to scientific research. He was also the co-project scientist for the Global Hawk Pacific Mission, the 1st science mission that used the Global Hawk unmanned aircraft system.

He is a Fellow of the American Meteorological Society and the American Geophysical Union, a Goddard Senior Fellow, and Vice President of the International Ozone Commission (IOC).