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**Abstract**

**Polar Ozone: Past, Present, and Future**

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The Antarctic ozone hole was discovered by Drs. Joseph Farman, Brian Gardiner, and Jon Shanklin in 1985 using a small Dobson Spectrophotometer at British Antarctic Survey's Halley Bay Station. The continental scale of the ozone hole was almost simultaneously revealed by NASA's Total Ozone Mapping Spectrometer. By late 1987, the cause of the ozone hole was found to be caused by human produced compounds (e.g., chlorofluorocarbons) containing chlorine and bromine. In this talk, I will review the theory behind the ozone hole and show its main characteristics. I will then cover some of the Arctic observations. Finally, I will discuss future ozone hole levels and the implications of climate change on polar ozone losses.

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