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Matthew E Moore* (matthewm@brooklyn.cuny.edu), Brooklyn College, Department of Philosophy, 2900 Bedford Ave., Brooklyn, NY 11210. *Peirce's Cantor*. Preliminary report.

C.S. Peirce elaborated a mathematical and philosophical theory of sets which departs in important respects from the dominant tradition initiated by Georg Cantor. Peirce was influenced by Cantor, but his access to and understanding of Cantor's work was partial at best. In this talk I will give a detailed account of Peirce's contact with Cantor's work, with particular attention to which Cantorian works Peirce read, and when he read them. I will also explore the chronology of Peirce's independent discovery of what has become known as Cantor's Theorem. (Received September 21, 2006)