

1154-01-222

**David E. Dunning\***, Dickinson Hall #129, Princeton, NJ 08544. *Notational Norms in Charles Sanders Peirce's Circle of Logicians.*

From 1879 to 1884, Charles Sanders Peirce (1839–1914) taught logic at the recently founded Johns Hopkins University in Baltimore, where he and a small circle of graduate students collaboratively published influential research in mathematical logic. They formed a local community whose size and vibrancy was unprecedented in that fledgling field, which had so far developed through the published contributions of a few pioneers working at a distance from each other in Britain and Germany. I will explore the local culture of mathematical logic that Peirce and his students developed, with a focus on their approach to notation. We might expect a community working in close collaboration to share a single symbolic system; in fact the logicians of 1880s Baltimore tended to develop individual variations on existing notations. Whereas earlier mathematical logicians stubbornly defended their individual systems, Peirce and his circle of graduate students took a more flexible approach to symbolism, finding intellectual interest precisely in the range of notational possibilities presented by the new mathematical logic. (Received August 25, 2019)