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**Jan van Maanen\***, Freudenthal Institute, Utrecht University. *The Bernoulli brothers in the arena of the early calculus.*

One generation before Euler the brothers Jacob and Johann Bernoulli (a.k.a. James and John, or Jacques et Jean) dominated the mathematical arena. Like Euler, they were from Basel. Johann (1667–1748) learned the tricks of the infinite from his elder brother Jacob (1654–1705), but soon Johann was a good match for Jacob. What started as collaborative work developed into a real match and even fight. We shall study some of the calculus problems about which they disputed, focusing on Johann. Through his research and teaching—first to L'Hospital, then for ten years in The Netherlands and back in Basel to Euler—he drew the contours of our current mathematics. (Received June 06, 2006)