1070-01-284   **Jennifer Beineke*** (`jbeineke@wnec.edu`), Springfield, MA 01119, and **Christopher Hughes** (`christopher.hughes@york.ac.uk`), York, England. *Great Moments of the Riemann Zeta Function: Served Family-Style.* Preliminary report.

We will explore moments of the Riemann zeta function, beginning with the momentous discoveries of Hardy, Littlewood, and Ingham in the 1920s. We will then discuss other memorable moments that number theorists have encountered as they have worked on open problems related to the Riemann Hypothesis, including related questions for families of L-functions. (Received February 14, 2011)