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Adrian Rice* (arice4@rmc.edu), Department of Mathematics, Randolph-Macon College, Ashland, VA 23005. *Partnership, Partition, and Proof: The Path to the Hardy–Ramanujan Partition Formula.*

This year marks one hundred years since the publication of one of the most startling results in the history of mathematics: Hardy and Ramanujan’s asymptotic formula for the partition function. To celebrate the centenary, this paper looks at the creation of their remarkable theorem: where it came from, how it was proved, and how the assistance of a third contributor helped to influence its ultimate form. (Received August 29, 2017)