

1145-AE-900      **George E Andrews\*** (gea1@psu.edu), 306 McAllister Bldg., Math Dept, Pennsylvania State University, University Park, PA 16802. *Ramanujan's Lost Notebook: The Continuing Mystery.*

In the spring of 2018, Bruce Berndt and I completed the fifth of five volumes providing proofs of the assertions in Ramanujan's Lost Notebook. The book was published in September, 2018. The final chapter in Part V is titled, The Continuing Mystery. It is our belief that there remain many open mathematical questions about Ramanujan's discoveries. This talk will discuss a few of these challenges. (Received September 17, 2018)