1135-11-1648   **Frank Garvan*** (`fgarvan@ufl.edu`), Department of Mathematics, University of Florida, Gainesville, FL 32611-8105. *New Ramanujan mock theta function identities.* Preliminary report.

In his last letter to Hardy, Ramanujan defined ten mock theta functions of order 5 and three of order 7. He stated that the three mock theta functions of order 7 are not related. We show how we discovered new identities for the fifth order functions and there are actually surprising relationships between the order 7 functions. (Received September 24, 2017)