1116-11-138   **Chadwick Arthur Gugg*** (`chadwick.gugg@gsw.edu`), Department of Mathematics, Georgia Southwestern State University, 800 GSW State University Drive, Americus, GA 31709. *On relations of Koike and Somos for the Rogers-Ramanujan functions.* Preliminary report.

In his notebooks, Ramanujan recorded 40 relations for the Rogers-Ramanujan functions. This list has inspired work by a number of authors seeking to understand and prove these relations, as well attempts to find further such identities and extensions to analogues of the Rogers-Ramanujan functions. We focus on proofs of identities found variously and independently by M. Koike, M. Somos, and by the author. (Received August 04, 2015)