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Chadwick Gugg* (chadwick.gugg@gsw.edu), Chadwick Gugg, Georgia Southwestern State University, 800 GSW State University Drive, Americus, GA 31709. *On Conjectures of Somos for identities for the Rogers-Ramanujan functions*. Preliminary report.

S. Ramanujan recorded in his notebooks 40 identities for the Rogers-Ramanujan functions. M. Somos used numerical methods to rediscover some of these relations, as well further new ones. K. Bringmann and H. Swisher subsequently proved these identities using the theory of modular forms. We revisit some of these identities using more elementary methods “in the spirit of Ramanujan”, and derive some further relations in the process. (Received February 04, 2015)