1154-11-696        **Maggie Wieczorek*** (`mwieczor@vols.utk.edu`). *Andrews-Bressoud Series and Wronskians.* Preliminary report.

The Andrews-Bressoud identities are one of many families of $q$-series identities relating an infinite sum to an infinite product. While the original motivation for studying these series relates to partitions, they can also be viewed in relation to irreducible characters of minimal models in the theory of vertex operator algebras. Furthermore, considering certain Wronskians of the Andrews-Bressoud series for a given $k$ produce additional $q$-series, which themselves exhibit interesting and predictable modularity properties. In this paper, we connect the Andrews-Bressoud series to modular forms and prove results about the modularity of their associated Wronskians. (Received September 09, 2019)