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Denise M Halverson* (halverson@math.byu.edu), 263 TMCB, Brigham Young University, Provo, UT 84602. *Paving the way to solving the R. L. Moore problem.*

The generalized version of the R.L. Moore problem asks to characterize spaces X such that $X \times \mathbb{R}$ is a manifold. This is a very important problem in geometric topology that is related other famous unsolved problems such as the Bink-Borsuk Conjecture and the Busemann Conjecture. An overview of the progress that has been made in this area, with particular emphasis on the contributions of Robert J. Daverman will be presented. (Received January 26, 2014)