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Sheldon W Davis* (sdavis@uttyler.edu), Department of Mathematics, University of Texas at Tyler, Tyler, TX 75799. *Symmetrizable L-spaces and Symmetrizable Dowker Spaces*. Preliminary report.

In his famous 1966 survey, A. V. Arhangel'skii said, "So far, everything that has been asserted about symmetric spaces shows that along with ordinary metrics, they refer to the most important of those numerical structures that occur in general topological spaces. Problems connected with them merit special consideration." We discuss the questions of the existence of certain symmetrizable spaces of the types mentioned in the title, and we give some partial results. (Received August 31, 2017)