1135-VO-1345 **L.-H. Huang** and **D. Martin***, 52 Mount Vernon Drive, Apartment C, Vernon, CT 06066, and **P Miao**. *Static Potentials and Area Minimizing Hypersurfaces.*

We show that if an asymptotically at manifold with horizon boundary admits a global static potential, then the static potential must be zero on the boundary. We also show that if an asymptotically at manifold with horizon boundary admits an unbounded static potential in the exterior region, then the manifold must contain a complete non-compact area minimizing hypersurface. (Received September 21, 2017)