1038-58-83 Anders Karlsson and François Ledrappier\* (fledrapp@nd.edu), Department of Mathematics, Hurley Hall, University of Notre Dame, Notre Dame, IN 46556. *Liouville property on regular* covers.

Let (M, g) be a complete connected Riemannian manifold with bounded sectional curvature. Under the assumption that M is a regular covering of a manifold with finite volume, M is Liouville (i.e. the only bounded harmonic functions are the constant functions) if, and only if, the linear rate of escape of the Brownian motion on M vanishes. (Received January 29, 2008)