1064-20-407 **David Ben McReynolds\***, 5734 S. University, Chicago, IL 60637. Submanifold spectra of Riemannian manifolds.

I will present some recent results on the relationship between the geometry of submanifolds of a manifold and the geometry of the manifold. This work is joint with Alan Reid and separately Amir Mohammadi. (Received September 15, 2010)