1035-58-1306 **Ognjen Milatovic*** (omilatov@unf.edu), Department of Mathematics and Statistics, University of North Florida, Jacksonville, FL 32224. *On m-accretive Schrödinger operators with singular potentials on Riemannian manifolds.*

We consider Schrödinger-type differential expression $H_V = \nabla^*\nabla + V$, where ∇ is a Hermitian connection on a Hermitian vector bundle E over a complete Riemannian manifold (M, g) with metric g and positive smooth measure $d\mu$, and V is a locally integrable section of the bundle of endomorphisms of E. We explain a sufficient condition for m-accretivity of a realization of H_V in $L^2(E)$. (Received September 19, 2007)