1049-53-158 **Catherine E Searle*** (csearle@matcuer.unam.mx), Av. Universidad s/n, Apartado Postal 273. Admon. de Correos #3, Colonia Lomas de Chamilpa, 62210 Cuernavaca, Morelos, Mexico, and **Fernando Galaz-Garcia**, Department of Mathematics, Mathematics Building, University of Maryland, College Park, MD 20742-4015. *Non-negatively curved manifolds with maximal symmetry rank in low dimensions.*

We show that closed, simply-connected, non-negatively curved 5 manifolds admitting an (almost) effective, isometric T^3 action are equivariantly diffeomorphic to one of $S^5, S^3 \times S^2$ or $S^3 \tilde{\times} S^2$. If we allow only T^2 symmetry, the Wu manifold may also occur and we have a classification up to homeomorphism. As a direct consequence we can show that the maximal symmetry rank for manifolds under the same hypotheses of dimension up to and including 9 is equal to $[\frac{2n}{3}]$. (Received March 02, 2009)