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Owen Dearnicott* (owie@math.ucr.edu), Department of Mathematics, University of California, Riverside, 900 University Avenue, Surge 246, Riverside, CA 92521. *Manifolds with positive curvature*

We display and discuss the geometry of a new 7-manifold of positive sectional curvature. The construction utilises the fact the manifold carries a 3-Sasakian structure of Grove-Wilking-Ziller over a self-dual Einstein 4-orbifold of Hitchin. (Received August 25, 2008)