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Valentino Tosatti* (tosatti@math.northwestern.edu), 2033 Sheridan Road, Evanston, IL 60208, and **Xiaokui Yang**. *Compact Kähler manifolds with nonpositive holomorphic sectional curvature.*

I will discuss our proof of the following result: if a compact Kähler manifold has nonpositive holomorphic sectional curvature then its canonical bundle is nef, and if the holomorphic sectional curvature is strictly negative then the canonical bundle is ample. The second statement confirms a conjecture of Yau, and was proved by Wu-Yau when the manifold is projective. (Received January 11, 2016)