

**Wolfgang Ziller** (University of Pennsylvania). *Manifolds with positive sectional curvature.*

*Abstract.* There are few known examples of manifolds with positive sectional curvature, whereas, comparatively, one knows a large class of examples with non-negative sectional curvature. Progress had been made recently under the assumption of a large group of isometries in which an interesting family of candidates for positive curvature arose. We will discuss results in this subject and put the candidates into context.