1025-03-147     **Bernhard Koenig\*** (`bkoenig@math.toronto.edu`), Department of Mathematics, University of Toronto, Toronto, ON M5S 2E4, Canada. *Combinatorial principles above a supercompact cardinal.*

Many set-theoretic principles are decided above supercompact cardinals. The earliest results of this type are due to Solovay. Contrasting results were later obtained by Laver who showed how to preserve a supercompact cardinal in certain forcing extensions. We give some history and present new results in this area. (Received January 21, 2007)