Dima Sinapova* (sinapova@math.uic.edu), Chicago, IL. Scales, squares, and SCH. Scales and squares are combinatorial principles that are central to singular cardinal arithmetic. We will discuss the relationship between SCH, very good scales and the weak square principle. We will also present some old and new Prikry type forcings and their impact on scales, squares, and not SCH. (Received August 11, 2013)