1038-05-26   **Petr Vojtěchovský*** (`petr@math.du.edu`), 2360 S Gaylord St, Denver, CO 80208. *Code loops of both parities.* Preliminary report.

The most accessible construction of the Monster sporadic group is via the Golay code and the corresponding code loop—the Parker loop. Griess showed how to associate a code loop with any doubly even binary code, and Richardson successfully obtained p-locals of the Monster for certain odd primes p by a similar procedure. The goal of this talk is to arrive (from four different directions) at a general definition of code loops in the odd case. One of the approaches involves self-orthogonal codes with prescribed intersections of codewords. This is joint work with Aleš Drápal, Charles University, Prague. (Received December 18, 2007)