The Andrews spt-function, spt(n), is the number of smallest parts in the partitions of n. This function has a number of surprising arithmetic properties, and has been studied by a number of authors. The parity of spt(n) is completely determined by the prime factorisation of $24n - 1$. The parity result was proved by Andrews, the author and Liang, and corrected an earlier result of Folsom and Ono. In this talk we present a number of conjectures for spt(n) mod 4. (Received September 18, 2016)