1113-05-64   **Jozsef Balogh*** (`jozsebal@gmail.com`), **Hong Liu**, **Maryam Sharifzadeh** and **Andrew Treglown**. *On problems of Cameron and Erdos.*

In 1990 and 1999, Cameron and Erdos proposed several problems in additive combinatorics. They asked about the number of sum-free sets, number of maximal sum-free sets, number of Sidon sets in [n]. Additionally they asked the number of sets in [n] without k-term arithmetic progression. In the talk we survey the recent progress on these questions. (Received August 07, 2015)