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**Jozsef Balogh\*** (josebal@gmail.com), Urbana, IL 61821, and **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)