We consider a limit theorem for the distribution of a r.v. $Y_{n}=\arg \max _{1 \leq i \leq n}\left\{X_{i}\right\}$, where $X_{i}$ 's are independent continuous non-negative r.v.'s. The r.v.'s $X_{i}, i=1, \ldots, n$, may be interpreted as the gains of $n$ players in a game, and the r.v. $Y_{n}$ itself as the number of a "winner". In the case of i.i.d.r.v.'s, the distribution of $Y_{n}$ is, clearly, uniform on $\{1, \ldots, n\}$, while when the $X$ 's are non-identically distributed, the problem becomes more interesting.
(based on joint work with Vladimir Rotar)

