1067-05-1905 **Michael E Young*** (myoung@iastate.edu) and **Giuseppe Mazzuoccolo** (giuseppe.mazzuoccolo@unimore.it). *Graphs of arbitrary excessive class.*

A 1-factor of a graph is a collection of independent edges, which together are incident on all the vertices of the graph. An *excessive factorization* is a minimum cover of the edge-set of a graph by a set of 1-factors. If such a cover exists, we denote the cardinality by $\chi'_e(G)$. The excessive class of an r-regular graph G is defined as $exc(G) = \chi'_e(G) - r$. We show that there exists a family of r-regular graphs of arbitrarily large excessive index for each integer r greater than 3. Furthermore, we answer a question by Bonisoli and Cariolaro showing that all the positive integers can be attained as excessive classes of regular graphs. (Received September 22, 2010)