Zbl 297.05133
Erdős, Paul
Some problems in graph theory. (In English)
Proc. 1rst Working Sem. Hypergraphs, Columbus 1972, Lecture Notes Math. 411, 187-190 (1974).

[For the entire collection see Zbl 282.00007.]

Let G denote a graph with n nodes whose complement does not contain a complete k-graph, where $n > 4k^4$. The author shows that if G has an n-cycle then it must have an r-cycle for all r such that $3 \leq r \leq n$.

J.W.Moon

Classification:
05C35 Extremal problems (graph theory)
05C99 Graph theory
00A07 Problem books