H. HANANI AND J. SCHONHEIM, On Steiner Systems. Israel Journal of Mathematics 2 (2) (1964).

The abstract purports to render a complete solution of the closed Steiner systems problem. I.e., the condition (1) is claimed to be necessary and sufficient. The main result obtained is an establishment of the sufficiency. The necessity as observed there would follow trivially from (2), a formula quoted by Netto [4] and first asserted by Steiner [6]. However, E. F. Assmus Jr. and H. F. Mattson Jr. informed us, constructing a counterexample, that (2) is incorrect. The question of the necessity of (1) is therefore still open. The completeness of the solution remains valid for minimal closed Steiner systems.