1014-05-1170 **L Brown**, **G Coker**, **R Gardner** and **Janie Kennedy***, Samford University, Mathematics Department, 800 Lakeshore Drive, Birmingham, AL 35229. *On Maximal Packings of $K_v - E(K_w)$ with 6-cycles.* Preliminary report.

Under certain conditions on v and w, $K_v - E(K_w)$ can be decomposed into 6-cycles. When such a decomposition does not exist, we consider how close can we get to a 6-cycle decomposition, and we call this a packing. The edges of $K_v - E(K_w)$ that are not used in 6-cycles make up the leave L of the packing, and we call a packing maximal when the number of edges in the leave is as small as possible. (Received September 28, 2005)