962-05-1201 **R. Julian R. Abel**, **Norman J. Finizio**, **Malcolm Greig** and **Scott J. Lewis*** (slewis@math.mursuky.edu). *Pitch Tournament Designs and Other BIBD's - Existence Results for the Case v=8n.*

A pitch tournament is a resolvable or near resolvable (v,8,7) BIBD that satisfies certain criteria in addition to the usual condition that v = 8n or v = 8n+1. Here we establish that for the case v = 8n the necessary condition for pitch tournaments is sufficient for all n > 1615, with at most 187 smaller exceptions. The four missing cases for (v,8,7) BIBDs are provided, thereby establishing that the necessary existence conditions are sufficient without exception. Some constructions for resolvable designs are also provided, reducing the existence question for (v,8,7) RBIBDs to 21 possible exceptions. (Received October 02, 2000)