1046-05-1184 **Tariq A Alraqad*** (tariq.alraqad@northern.edu), Mathematics Department, Northern State University, 1200 S. Jay st., Aberdeen, SD 57401, and **Mohan Shrikhande**. *Non-embeddable Quasi-residual Menon Designs.*

A Menon design of order h^2 is a symmetric $(4h^2, 2h^2 - h, h^2 - h)$-design. Quasi-residual and quasi-derived designs of a Menon design have parameters 2–$(2h^2 + h, h^2, h^2 - h)$ and 2–$(2h^2 - h, h^2 - h, h^2 - h - 1)$ respectively. We give a new method to construct non-embeddable quasi-residual and quasi-derived Menon designs using regular Hadamard matrices. As applications, we construct the first two new infinite families of non-embeddable quasi-residual and quasi-derived Menon designs. (Received September 15, 2008)