998-42-317 **Galia D Dafni*** (gdafni@mathstat.concordia.ca), Department of Mathematics and Statistics, LB 525, SGW, 1455 de Maisonneuve Blvd. West, Montreal, Quebec H3G1M8, Canada, and **Jie Xiao** (jxiao@math.mun.ca), Department of Mathematics and Statistics, Memorial University of Newfoundland, St. John's, NF A1C 5S7, Canada. *On the spaces $Q_\alpha(R^n)$ and their dyadic versions.*

We study the spaces $Q_\alpha(R^n)$, which are subpaces of BMO, and their relationship with their dyadic counterparts. We also prove a quasi-orthogonal decomposition for functions in $Q_\alpha(R^n)$, analogous to that for functions in BMO. (Received March 01, 2004)