962-11-1222   **Adrian Diaconu*** (`cad@math.columbia.edu`), Department of Mathematics, Columbia University, 2990 Broadway, New York, NY 10027, and **Jeffrey Hoffstein** (`jhoff@math.brown.edu`), Mathematics Department, Brown University, Providence, RI 02912. *Multiple Dirichlet series and moments of quadratic L-series, II.*

This will be a continuation of Jeffrey Hoffstein's talk. We will see how our conjecture implies, for $m = 4$, the asymptotic formula for the mean value of $L(1/2, \chi_d)^4$, as d varies over the fundamental discriminants of quadratic fields. We will also give an indication of how a probable proof of this conjecture would go in this case. It should be emphasized that the arguments we will give are specialized to the case $m = 4$. (Received October 02, 2000)