1020-94-6   **Jay A. Wood*** (`jay.wood@wmich.edu`), Office of the Provost, 1903 W. Michigan Ave., Kalamazoo, MI 49008-5204. *Equivalence of Linear Codes over Finite Rings.*

In April 1992, Vera Pless suggested to the speaker that he re-examine MacWilliams's theorem on code equivalence over finite fields. This talk will be a progress report, emphasizing recent work that characterizes finite Frobenius rings as those finite rings over which MacWilliams's theorem is valid. (Received April 10, 2006)