QUERIES

37. *Proposed by M.J. Evans, Western Illinois University and C.E. Weil, Michigan State University.*

   Call a subset E of the real line R <u>symmetric</u> if for each

   $x \epsilon R$, there is a positive number δ_x such that for all

   $0 < h < \delta_x$, $x+h \epsilon E$ if and only if $x-h \epsilon E$. (That is, E is

   symmetric if its characteristic function is a symmetric

   function in the sense of M. Foran, <u>Real Analysis Exchange</u>,

   vol. 1 no. 1, p. 38.) Must such a set E be Lebesgue

   measurable?