1014-30-1365 **Douglas C Bowman*** (bowman@math.niu.edu) and **James McLaughlin**. *Accumulation Point Sets for Infinite Matrix Products and Continued Fractions.*

We study the sets of accumulation points for infinite matrix products and apply the results to continued fractions. In one particular example we prove that an identity between an infinite continued fraction and the quotient of series continues to hold, even when both sides diverge, as long as the correct interpretation is applied to both sides of the equality. This work generalizes previous work of the authors on the case in which a finite set of accumulation points was present. (Received September 28, 2005)