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Jonathan W. Bayless* (BaylessJ@husson.edu), Mathematics Department, Husson University, One College Circle, Bangor, ME 04401, and **Dominic Klyve**. *On the sum of the reciprocals of the amicable numbers*. Preliminary report.

Two numbers m and n are considered amicable if the sum of their proper divisors, $s(m)$ and $s(n)$, satisfy $s(m) = n$ and $s(n) = m$. In 1981, Pomerance showed that the sum of the reciprocals of all such numbers, P , is a constant. We obtain both a lower and an upper bound on the value of P . (Received September 17, 2009)