1125-37-588   **Scott R. Kaschner*** (`skaschne@butler.edu`), Butler University, Dept. of Mathematics and Actuarial Science, 4600 Sunset Ave., JH270, Indianapolis, IN 46208, and **Roland K. W. Roeder**, 402 N. Blackford Rd., LD270, Indianapolis, IN 46202. *Dynamical Degrees and the Projective Heat Map Acting on Pentagons.*

In a recent monograph, Schwartz provided a nearly complete description of the dynamics of the projective heat map H, a rational map of $\mathbb{R}^2$ that maps any pentagon P to the pentagon whose vertices are the projective midpoints of the edges of P. We place Schwartz's work on the real dynamics of H into the complex perspective by computing its first dynamical degree and presenting some corollaries about the dynamics of H. (Received September 07, 2016)