1127-37-210   **William J Floyd*** (`floyd@math.vt.edu`), Dept of Mathematics, 460 McBryde Hall, Virginia Tech, 225 Stanger St, Blacksburg, VA 24061-0123, and **Kevin M Pilgrim** and **Walter R Parry**. *Dynamic portraits for nearly Euclidean Thurston maps.* Preliminary report.

A nearly Euclidean Thurston (NET) map is a branched map from the 2-sphere to itself such that there are exactly four postcritical points and every critical point is simple. I'll discuss the classification of dynamic portraits for NET maps and an algorithm to compute a NET map representative for each dynamic portrait. For the NET maps website, www.math.vt.edu/netmaps, this algorithm was used to compute NET map presentations for the 10,626 dynamic portraits of NET maps of degree at most 40. (Received February 03, 2017)