1107-37-93   **Jane Hawkins*** (`jmh@math.unc.edu`), Mathematics Department, CB #3250, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599. *Lattices, elliptic functions, and dynamics.* Preliminary report.

We discuss the important roles of elliptic functions in dynamics. Specifically we review how the Weierstrass elliptic P function leads to ergodically interesting rational maps of the sphere and we also iterate elliptic functions as meromorphic maps of the plane. We make some number theoretic connections along the way. (Received January 04, 2015)