1163-92-908   **Chris McCarthy*** (`cmccarthy@bmcc.cuny.edu`), BMCC City University of New York, 199 Chambers Street, New York, NY 10007, and **Johannes Familton** (`jfamilton@bmcc.cuny.edu`), BMCC City University of New York, 199 Chambers Street, New York, NY 10007. *Quasispecies and error catastrophe: some of the mathematics, history, and implications.*

Quasispecies refers to the paradigm of viewing a species as a distribution of mutating genotypes. Error catastrophe refers to deleterious effects due to excessive mutation rates. We will discuss some of the interesting mathematics, implications, and history of the quasispecies concept and the error catastrophe theory. (Received September 15, 2020)