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**Chandra Kethi-Reddy\*** ([chan.dra@knights.ucf.edu](mailto:chan.dra@knights.ucf.edu)). *Gian-Carlo Rota and the Phenomenology of Mathematics*.

The celebrated combinatorialist Gian-Carlo Rota arguably produced a philosophy of mathematics more faithful to the actual practice of mathematics than any other American mathematician or philosopher of his time. While among his peers at MIT or the Los Alamos Research Laboratory, even while he was Vice President of the AMS, Rota had to fight the hegemonic and exclusionary institution of analytic philosophy in order to justify the intelligibility and practicality of his unique phenomenology of mathematics. In this presentation, I will take the audience through Gian-Carlo Rota's "Phenomenology of Mathematical Proof" in order to demonstrate the place of phenomenology in any rigorous philosophy of mathematics. I will also go through a selection of his advice from "Ten Lessons I Wish I Had Been Taught" and "Ten Lessons for the Survival of a Mathematics Department" to show how his philosophy can be lively, humorous, and close to life. I hope that this presentation will reinvigorate research in the phenomenology of mathematics and interest in the life and work of this titan. (Received September 14, 2017)