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Laura E. Turner* (SILT@ivs.au.dk), Department of Science Studies, University of Aarhus, C.F. Møllers Allé, bygn. 1110, 8000 Aarhus C, Denmark. *Teacher and Mentor: Gösta Mittag-Leffler's influence on the Swedish mathematical community through his role as professor at Stockholms högskola*. Preliminary report.

The Swedish mathematician Gösta Mittag-Leffler had many characteristics of an “influential person”: he was politically active, wealthy, and passionate about his studies. Furthermore, he was a successful mathematician and in touch with the upper echelon of the late 19th- to early 20th-century European mathematical community. Though in recent years he has been discussed as an organizer of mathematics, a journal editor, and to some extent a mathematician, less attention has been paid to his role as a teacher and relatively little has been done to investigate his impact on mathematics through this area of his career. This paper thus aims to present a case study in which Mittag-Leffler appears as a professor and mentor for two of his first students at Stockholms högskola, Ivar Bendixson (1861-1935) and Edvard Phragmén (1863-1937), and to discuss his impact on the content and diffusion of their early mathematical research. More generally, their early publications, concerning Prussian mathematics with which Mittag-Leffler was well-acquainted, combined with lecture notes and correspondence provide a window through which to observe Mittag-Leffler’s teaching at the högskola and the nature of the mathematics he instilled within a new generation of Swedish mathematicians. (Received September 10, 2008)