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Caroline Ehrhardt* (caroline.ehrhardt@univ-paris8.fr). *The editor as a scientific entrepreneur: Emile Borel and the promotion of new fields of investigation in mathematics.*

French mathematician Emile Borel (1871-1956) was the editor of several scientific journals, book series and textbooks throughout his career. IN this talk, I will focus on two of them, the "collection de monographies sur la théorie des fonctions" and the Revue du mois, which he launched respectively in 1895 and 1906. In both cases, Borel used his editing function to promote new areas of research on which he worked, namely integration theory in the collection and probabilities in the Revue du mois. As he edited this two publications, Borel took advantage of his position to make cutting edge research available to a large group of readers beyond the world of mathematics. Indeed, as a series the collection offered short textbooks while the revue was a journal aimed at showcasing recent scientific work to the general public. The Revue du Mois deserves special emphasis, for it allow us to glimpse at the way Borel highlighted new research questions and provided explicit mathematical explanations to show that the probabilities had a role to play in the society of the early 20th century. (Received September 24, 2017)