962-34-1230 **Yik-Man Chiang*** (`machiang@ust.hk`), Department of Mathematics, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, China, and **Shupei Wang** (`shupei28@hotmail.com`), 7530 Brompton Street, #788, Houston, TX 77025, USA. *On a question of Hellerstein and Rossi regarding the equation $y'' + P(z)y = 0$.*

Let $P(z)$ be a non-constant polynomial. Hellerstein and Rossi posed the question to characterize those polynomials $P(z)$ such that the differential equation $y'' + P(z)y = 0$ $(*)$ admits a solution with only real zeros and infinitely many. We shall report on the progress on this problem. (Received October 02, 2000)