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John McCleary*, Box 69 Vassar College, Poughkeepsie, NY 12604. *Dehn and Hilbert's Third Problem*. Preliminary report.

Among Hilbert's celebrated Paris problems, the third of the published list was the first to be solved, by Hilbert's student Max Dehn. In this presentation I will consider Dehn's solution in the context of research into the foundations of geometry that was part of Hilbert's work and the work of earlier researchers. I will consider work of Bricard and of Sforza who are cited in Dehn's Annalen paper on the third problem. Dehn's solution will also be put into relief against the reformulations that followed on the heels of his work. (Received September 23, 2017)