Manuscrits de Evariste Galois. Publiés par Jules Tannery. Paris, Gauthier-Villars, 1908. 67 pp.

THE articles published by Galois related to periodic continued fractions, the algebraic solution of equations (summary of results), and the introduction of quantities (now known as Galois imaginaries) determined as the roots of irreducible congruences. These brief articles appeared during the years 1828–1830 in the Annales de Mathématiques de M. Gergonne, and the Bulletin des Sciences mathématiques de M. Férussac. They have been reprinted as pages 1-23 of Œuvres mathématiques d'Evariste Galois, Paris, 1897. Pages 25-61 of the latter book give a reproduction of certain posthumous papers by Galois, which first appeared in Liouville's Journal de Mathématiques, volume 11 (1846), pages 408-444, fourteen years after the tragic death of These posthumous papers are the celebrated letter the author. to Auguste Chevalier, his fundamental memoir on the conditions for the solution of algebraic equations by radicals, and an incomplete manuscript on solvable primitive equations.

Chevalier prepared for publication the manuscripts entrusted to him by Galois and placed them in the hands of Liouville. The latter published the three papers just mentioned, promising in a footnote to add later some other fragments extracted from the papers of Galois, which, although without great importance, could be read with interest by geometers. However, this additional manuscript by Galois is now published, for the first time, by Tannery, who gives in a most faithful manner a minute account of all the Galois manuscripts, points out as far as possible the few annotations by Chevalier, and indicates by detailed references the occasional divergence between the original manuscript by Galois, the copy by Chevalier, the text by Liouville, and that of the Œuvres. On page 15, line 7, the correct reading 1, 2, 3 should replace 1, 3, 3, and not 1, 1, 3.

In contrast to the statement in Picard's Introduction to the Œuvres, "les deux Mémoires qu'il présenta à l'Académie des Sciences ayant été perdus," Tannery has now made it clear, on pages 5 and 6, that the manuscript presented to the Academy by Galois was not lost, but is precisely the one which passed into the hands of Chevalier, thence to Liouville, and has finally been given to the Academy of Sciences by Liouville's daughter. What was rejected in 1831 has now been received with honor! The manuscript bears the names Lacroix and Poisson of the