Hilbert, David
The theory of algebraic number fields. Transl. from the German by Iain T. Adamson. With an introduction by Franz Lemmermeyer and Norbert Schappacher. (English) Zbl 0984.11001

This is the first English translation (made by I. T. Adamson) of the famous Zahlbericht of David Hilbert [Jahresber. DMV 4, i-xviii, 175-546 (1897; JFM 28.0157.05)]. The German original has been reprinted in Hilbert’s “Gesammelte Abhandlungen”, Springer (1932; Zbl 0004.09801; repr. 1970; Zbl 0195.00401), which contained an exposition of the theory of algebraic number fields and had a great influence on the development of that subject in the 20th century. An introduction written by F. Lemmermeyer and N. Schappacher describes certain aspects of Hilbert’s treatise from a modern point of view.

Reviewer: Władysław Narkiewicz (Wrocław)

MSC:

11-02 Research exposition (monographs, survey articles) pertaining to number theory
11-03 History of number theory
01A75 Collected or selected works; reprints or translations of classics
11RxX Algebraic number theory: global fields
01A55 History of mathematics in the 19th century
11D41 Higher degree equations; Fermat’s equation

Keywords:
algebraic numbers; algebraic number fields; JFM 28.0157.05