

## RECIPROCITY LAWS. FROM EULER TO EISENSTEIN

REVIEWER CH. BAXA, WIEN

The author describes the history of reciprocity laws from Euler to Eisenstein. Among other things he deals with quadratic, cubic, quartic, octic and Eisenstein reciprocity as well as their classic and modern ramifications. This volume gives a comprehensive modern account of a wealth of material which almost disappeared from textbooks during the last decades. This way it may help its readers to understand the roots of many of today's abstract concepts. However, it is not meant to be a textbook and some knowledge of algebraic number theory is a prerequisite as the author uses modern notions throughout. In the preface he describes his plans to write a sequel covering the connection between reciprocity laws and class field theory. In the reviewer's opinion this would be a most welcome addition.