Record Nr. UNINA9910822037203321 Autore Honsberger Ross <1929-> Titolo Episodes in nineteenth and twentieth century Euclidean geometry / / by Ross Honsberger Washington, DC,: Mathematical Association of America, 1995 Pubbl/distr/stampa **ISBN** 0-88385-951-3 Edizione [1st ed.] Descrizione fisica 1 online resource (x, 174 pages) : digital, PDF file(s) Collana Anneli Lax New Mathematical Library;; 37 Disciplina 516.2 Soggetti Geometry, Projective Geometry Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Nota di bibliografia Includes bibliographical references (p. [155]) and index. Nota di contenuto Cleavers and splitters -- The orthocenter -- On triangles -- On quadrilaterals -- A property of triangles -- The Fuhrmann circle -- The symmedian point -- The Miguel theorem -- The Tucker circles -- The Brocard points -- The orthopole -- On Cevians -- The theorem of Menelaus. Sommario/riassunto Euclidean geometry was worked out by Euclid and his predecessors more than 2300 years ago and is studied today mostly as a background to other branches of mathematics. In fact, however, as Professor Honsberger masterfully demonstrates, geometry in the style of Euclid is still alive and well. Mathematicians have again been studying the properties of geometric figures from a synthetic point of view and have discovered many new and unexpected results which Euclid himself never found. And since all of us have studied Euclidean geometry, at least the ancient version, this book is easily accessible. Exercises with

their solutions are included in the book.