Record Nr. UNINA9910735795903321 Autore Hunter Tim B. Titolo The Barnard Objects: Then and Now / / Tim B. Hunter [and five others] Pubbl/distr/stampa Cham, Switzerland: ,: Springer Nature Switzerland AG, , [2023] ©2023 **ISBN** 3-031-31485-9 Edizione [First edition.] Descrizione fisica 1 online resource (377 pages) Collana The Patrick Moore Practical Astronomy Series Disciplina 520.92 Astronomical photography - History - 19th century Soggetti Astronomy - United States - History - 19th century Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Chapter 1. Introduction -- Chapter 2. Nebulae: an overview -- Chapter 3. Astronomical Catalogs: an overview -- Chapter 4. Barnard and his photography -- Chapter 5. Visual Observation of the Barnard Objects -- Chapter 6. Modern Imaging of the Barnard Objects -- Chapter 7. Selected Barnard Objects -- Chapter 8. The Missing Barnard Objects --Chapter 9. The Barnard Objects Now. The Barnard Objects have fascinated professional and amateur Sommario/riassunto astronomers for over one hundred years. Many of those objects first imaged by E.E. Barnard on black-and-white photographic plates are now being captured daily in thousands of color astrophotographs. This book tells of Barnard's story; describing his life and work as well as how the fields of astronomy and astrophotography have transformed ever since. The chapters in this book are equal parts history and science. It will provide readers with an introduction to nebula science and the incredible discoveries made in this field over the decades; including an overview of popular astronomical catalogues and a detailed look at how astronomical imaging has advanced since Barnard' s time, from early plates to digital imaging and chips. In addition, the book features a comprehensive guide to viewing and imaging these

objects yourself. A glossary of astronomical and photographic terms is

displaying the locations of these Barnard Objects; including the missing

provided, along with detailed references. And, an updated table

twenty-five objects from E.E. Barnard's original catalogue. Richly researched and illustrated, this fascinating reference will attract astronomers of all skill levels interested in astrophotography and how it has changed over the past hundred years.