

BOOK REVIEWS

***Cosmic Pages: Atlanti Stellari Negli Osservatori Astronomici Italiana*, edited by Ileana Chinnici and Mauro Gargano. (Naples, Artem, 2022). Pp. xxiii + 175. ISBN 978-88-5690894-7 (softcover), 240 × 300 mm, Euro 34.53.**

This book on star atlases found in Italian archives is quite different from the other star atlas book reviewed in this issue. Even though the subtitle indicates it is entirely about star atlases, it is actually much more than that.

Thirty-three pages (consisting of both English and Italian text) include three extended essays. The first, “The Representation of the Sky: Cultural Evolution and Scientific Development”, is written by Mauro Gargano (Osservatorio Astronomico di Capodimonte) and Valeria Zanini (Osservatorio Astronomico di Padova). They begin with the fragment of a Seleucid astrological table from the third century BCE and end in 1928 with the adoption of the 88 canonical constellations by the IAU. That entire cartographic survey is completed in just five pages that also include illustrations.

The second essay, by Antonella Vallenari (Osservatorio Astronomico di Padova), is “The 3D Map of the Galaxy: The Measure of the Parallaxes”. This more focused study, in four pages, includes one point which is often glossed over. We all know about the early nineteenth century discovery of parallax, but along the way an

... experiment lead [*sic*] to the detection of a small systematic shift in the star position, very different from the parallax effect. Bradley called it aberration ... This was the first proof of the Earth [*sic*] motion in space and confirmed Newton’s hypothesis of star huge [*sic*] distances. (page 24)

This brief excerpt from James Bradley’s attempt to measure parallax also highlights the fact that the text is littered with issues that presumably arose in the translation from Italian to English. Securing the services of a native English speaker would have been an easy way to clean up the text.

The final essay is “Imaginations of Astronomical Sky in Italian Visual Art”, by Oleh Petruk (National Academy of Sciences of Ukraine/Osservatorio Astronomico di Palermo). This is the essay that one hopes will eventually be turned into a full book. It is a fine but extremely condensed survey of astronomy as depicted in the very broad remit of Italian art. This includes such things as ceiling paintings in various palaces and villas (Farnese, Besta, Farnesina), churches (Basilica of San Lorenzo), and the Vatican. Those are just the ones actually pictured—the text lists scores more, and one yearns to see detailed imagery of all of them.

Following the essays are the star atlases. Most of these are quite famous: the ones by Bayer (1661), Hevelius (1690), Flamsteed (1753), Bode (1801) and Argelander (1843). Others less so prominent are: Piccolomini (1548), Toaldo (1790), a Chinese star map created by Gustaaf Schlegel (1875), and Gould (1877). The uncompleted photographic survey *Carte Photographique du Ciel* concludes the volume: an image from 1897 is shown.

A great strength of this final section is the use of fold-out plates that enable the reader to see large swaths of a star chart without the bedevilling centre-fold of the book. For Flamsteed and Bode there are four fold-outs each, which thus measure twice the size of the book. They allow one to see the minutest detail in these extraordinary examples of artistic astronomy, which is the prime subject matter of this beautifully constructed book. The first editor of the book is Ileana Chinnici, who kindly allowed me to view the Ramsden Circle at Palermo Observatory on my visit there in 2013.



