Table of Contents

PETER HEERING / ROLAND WITTJE
Introduction
Objects of Understanding – Historical Perspectives on Material Artefacts
and Practices in Science Education
SOFIA TALAS
At the Beginnings of Experimental Physics Teaching
JIP VAN BESOUW/PIETER T. L. BECK
From Throw to Flow, and Back
Fountains for Research and Teaching in 18th-Century Leiden
Peter Heering
's Gravesande's Hydrostatic Balance(s)
Performative Aspects in a Demonstration Device
STEPHEN JOHNSTON
Object Lessons from the Asylum
The Portable Museum of Thomas E. Dexter
KRISTIN HALVERSON
Instructing Instruments
Teaching Ophthalmoscopes, Laryngoscopes, Rhinoscopes, and Endoscopes
in Swedish and Danish Medical Journals, 1850–1865
JEAN DAVOIGNEAU / DELPHINE ISSENMANN / LOÏC JEANSON
Two Meridian Rooms
Teaching and Research at the Strasbourg Astronomical Observatory 125

Table of Contents

JÖRG ZAUN / KIRSTEN VINCENZ The Object Tableau as a Didactic Form of Knowledge Representation
MARÍA GABRIELA MAYONI Artifacts and Pedagogical Practices for Natural History Teaching in Argentinian Secondary Education in the Late 19 th Century
PANAGIOTIS LAZOS Demonstrating the Vibrations of an Incandescent Wire The Journey of Argyropoulos Apparatus from Athens to Western Europe
JAMILLA NOTEBAARD / DULCE DA ROCHA GONÇALVES Academic and Public Lantern Lectures in the Netherlands through the Lens of the Educational Dispositif (ca. 1900s–1920s)
RICHARD L. KREMER Introducing Electronic Apparatus into Physics Teaching in the 1920–1930s 217
DAVID P. D. MUNNS The Atom Goes to College Nuclear Engineering, Teaching Reactors, and the Atomic Age
ROLAND WITTJE Training Engineers in India German Instruments, Methods, and Transcultural Insights at IIT Madras
ROSANNA EVANS A Culture of Creativity Handmaking School Science Equipment in England in the Second Half of the Twentieth Century
JOCHEN LANGE Designing Objects of Understanding The Practice of Manufacturing School Artefacts in the Educational Tool Industry of the 21st Century