



The Microscope and the Eye: A History of Reflections, 1740-1870

By Jutta Schickore

Download now

Read Online 

The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore

The microscope's technical capabilities and uses expanded dramatically in the early nineteenth century, when it emerged as an important tool for medical education and played a key role in the development of the cell theory, among other advancements. Focusing on the decades surrounding this crucial period, Jutta Schickore weaves a fascinating story of microscopy by tracing the entwined history of the eye and the optical instrument.

Concentrating on Great Britain and the German lands—home to the period's most significant developments in microscopy—*The Microscope and the Eye* examines debates about such subjects as the legitimacy of human trespassing on the microcosm and the nature of light. Schickore also explores the microscope's role in investigations of the finer structure of the eye and the workings of nerve fibers and the microscopists' reflections on vision, illusion, artifacts, and the merits of instruments. Fully considering the epistemological, metaphysical, and methodological implications of this centuries-old relationship, *The Microscope and the Eye* will be an important contribution to the history of the life sciences, vision studies, and scientific methodology.

 [Download The Microscope and the Eye: A History of Reflectio ...pdf](#)

 [Read Online The Microscope and the Eye: A History of Reflect ...pdf](#)

The Microscope and the Eye: A History of Reflections, 1740-1870

By Jutta Schickore

The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore

The microscope's technical capabilities and uses expanded dramatically in the early nineteenth century, when it emerged as an important tool for medical education and played a key role in the development of the cell theory, among other advancements. Focusing on the decades surrounding this crucial period, Jutta Schickore weaves a fascinating story of microscopy by tracing the entwined history of the eye and the optical instrument.

Concentrating on Great Britain and the German lands—home to the period's most significant developments in microscopy—*The Microscope and the Eye* examines debates about such subjects as the legitimacy of human trespassing on the microcosm and the nature of light. Schickore also explores the microscope's role in investigations of the finer structure of the eye and the workings of nerve fibers and the microscopists' reflections on vision, illusion, artifacts, and the merits of instruments. Fully considering the epistemological, metaphysical, and methodological implications of this centuries-old relationship, *The Microscope and the Eye* will be an important contribution to the history of the life sciences, vision studies, and scientific methodology.

The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore Bibliography

- Rank: #3336592 in Books
- Published on: 2007-10-29
- Original language: English
- Number of items: 1
- Dimensions: 9.00" h x 1.00" w x 6.00" l, 1.30 pounds
- Binding: Hardcover
- 320 pages

 [Download The Microscope and the Eye: A History of Reflectio ...pdf](#)

 [Read Online The Microscope and the Eye: A History of Reflect ...pdf](#)

Editorial Review

Review

“*The Microscope and the Eye* will be of great interest to a broad range of historians of science, as well as scholars of visuality and visual culture. Shrewdly applying the most innovative methods in the field to a diverse body of source materials (some of them previously unexplored), this book deepens our knowledge and, more important, clarifies a number of confusions and conundrums that have long surrounded the history of microscopy, instruments, and questions of vision and physiological optics.”

(Robert Brain, University of British Columbia)

“In *The Microscope and the Eye*, Jutta Schickore brings a historian’s sensibility to the examination of fundamental philosophical issues surrounding sight and its instrumental extension before 1850. Developing her own instrument, the analysis of ‘second-order’ questions about the value and uses of the microscope, Schickore combines a broad field of view with an exquisitely sensitive resolving power. The resulting finely textured account shows what it meant to ‘know’ with the microscope before 1850 and explains just how this instrument—and the methodological discourses around it—became central to nineteenth-century science.”

(Lynn K. Nyhart, University of Wisconsin)

"A wonderfully detailed account of the tandem development of the seers (microscopes and their users) and the seen (functional organization of the eye) from the late-18th through the mid-19th centuries. More than a book about scientific advancement, this is a philosophical analysis of passionate human endeavor. . . . Highly recommended."

(*Choice*)

"While this book is written primarily for historians and philosophers of science, there is much here to interest historians of technology."

(Deborah Jean Warner *Technology and Culture*)

In this elegant, fine-grained study, Jutta Schickore makes a significant contribution to the history and philosophy of science and raises some historiographical issues that are likely to be of interest to more general historians."

(Lindsay Wilson *American Historical Review*)

About the Author

Jutta Schickore is assistant professor of the history and philosophy of science at Indiana University.

Users Review

From reader reviews:

Lydia Sanders:

Why don't make it to become your habit? Right now, try to prepare your time to do the important act, like

looking for your favorite book and reading a publication. Beside you can solve your problem; you can add your knowledge by the e-book entitled *The Microscope and the Eye: A History of Reflections, 1740-1870*. Try to stumble through book *The Microscope and the Eye: A History of Reflections, 1740-1870* as your friend. It means that it can for being your friend when you really feel alone and beside that of course make you smarter than ever. Yeah, it is very fortunated in your case. The book makes you far more confidence because you can know everything by the book. So , let's make new experience and knowledge with this book.

Maria Bruns:

The book untitled *The Microscope and the Eye: A History of Reflections, 1740-1870* contain a lot of information on the idea. The writer explains her idea with easy approach. The language is very straightforward all the people, so do not really worry, you can easy to read the item. The book was published by famous author. The author will bring you in the new time of literary works. You can read this book because you can read more your smart phone, or program, so you can read the book inside anywhere and anytime. If you want to buy the e-book, you can open up their official web-site along with order it. Have a nice go through.

Patrick Perkins:

Beside this particular *The Microscope and the Eye: A History of Reflections, 1740-1870* in your phone, it may give you a way to get nearer to the new knowledge or info. The information and the knowledge you can got here is fresh in the oven so don't be worry if you feel like an aged people live in narrow village. It is good thing to have *The Microscope and the Eye: A History of Reflections, 1740-1870* because this book offers to your account readable information. Do you often have book but you do not get what it's exactly about. Oh come on, that would not happen if you have this inside your hand. The Enjoyable option here cannot be questionable, just like treasuring beautiful island. Use you still want to miss the item? Find this book and also read it from now!

Norma Dickerson:

Do you like reading a reserve? Confuse to looking for your favorite book? Or your book ended up being rare? Why so many question for the book? But any kind of people feel that they enjoy with regard to reading. Some people likes looking at, not only science book but novel and *The Microscope and the Eye: A History of Reflections, 1740-1870* as well as others sources were given information for you. After you know how the truly amazing a book, you feel desire to read more and more. Science guide was created for teacher or perhaps students especially. Those ebooks are helping them to include their knowledge. In different case, beside science publication, any other book likes *The Microscope and the Eye: A History of Reflections, 1740-1870* to make your spare time a lot more colorful. Many types of book like this.

Download and Read Online The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore #QBF4DC5SP72

Read The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore for online ebook

The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore books to read online.

Online The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore ebook PDF download

The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore Doc

The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore Mobipocket

The Microscope and the Eye: A History of Reflections, 1740-1870 By Jutta Schickore EPub