7 EDITORIAL

11 IMAGE DESCRIPTION

Kathrin Friedrich

Layers of Operation. Lars Leksell's Neurosurgical Planning Image

15 John A. Nyakatura

Description, Experiment, and Model. Reading Traces in Paleobiological Research Exemplified by a Morpho-functional Analysis

29 IMAGE DESCRIPTION

Kathrin M. Amelung, Thomas Stach

Visualizing Viruses. Notes on David S. Goodsell's Scientific Illustrations and Their Use in Molecular Biology between Picture Model and Trace

35 Dieter G. Weiss, Günther Jirikowski, Stefanie Reichelt Microscopic Imaging. Interference, Intervention, Objectivity

55 Soraya de Chadarevian

"It is not enough, in order to understand the Book of Nature, to turn over the pages looking at the pictures. Painful though it may be, it will be necessary to learn to read the text." Visual Evidence in the Life Sciences, c. 1960

65 Bettina Bock von Wülfingen

Giving a Theory a Material Body. Staining Technique and the "Autarchy of the Nucleus" since 1876

75 INTERVIEW

Traces and Patterns. Pictures of Interferences and Collisions in the Physics Lab. A Dialogue between Dr. Anne Dippel and Dr. Lukas Mairhofer

89 Barbara Orland

Liquid or Globular? On the History of Gestalt-seeing in the Life Sciences of the Early 19th Century

99 Marietta Kesting

Traces of Bodies and Operational Portraits. On the Construction of Pictorial Evidence

111 Sophia Kunze

Reduced Complexity or Essentialism? Medical Knowledge and "Reading Traces" in the History of Art

121 IMAGE CREDITS

123 AUTHORS

