The Constitution of Phenomenal Consciousness

Toward a science and theory

Edited by

Steven M. Miller

Monash University

John Benjamins Publishing Company Amsterdam/Philadelphia

Table of contents

Acknowledgments	VI
The constitution of visual and phenomenal consciousness: An introduction Steven M. Miller	1
Section I. The scientific study of consciousness	
Theories and methods in the scientific study of consciousness P. Christiaan Klink, Matthew W. Self, Victor A. F. Lamme and Pieter R. Roelfsema	17
The scientific study of coma and related states Vanessa Charland-Verville, Audrey Vanhaudenhuyse, Steven Laureys and Olivia Gosseries	48
De-confounding the neural constitution of phenomenal consciousness from attention, report and memory Jeroen J. A. van Boxtel and Naotsugu Tsuchiya	81
The correlation/constitution distinction problem: Foundations, limits and explanation in consciousness science Steven M. Miller	104
The neural correlates of consciousness: Causes, confounds and constituents Jakob Hohwy and Tim Bayne	155
On the various neural correlates of consciousness: Are they distinguishable? Tom A. de Graaf and Alexander T. Sack	177
On why the unconscious prerequisites and consequences of consciousness might derail us from unraveling the neural correlates of consciousness Jaan Aru, Talis Bachmann, Wolf Singer and Lucia Melloni	205
The neuroevolutionary sources of mind: The ancestral constitution of affective consciousness and the CORE-SELF Jaak Panksepp	226
The future of consciousness science: From empirical correlations to theoretical explanation Antti Revonsuo	260

Section II.	Philosophy	of mind
-------------	------------	---------

The philosophy of phenomenal consciousness: An introduction Zoe Drayson	2 73
The philosophy of mind needs a better metaphysics Martin Mahner	293
The scientific evidence for materialism about pains Andrew Melnyk	310
The status of consciousness in nature Berit Brogaard	330
Identity over time, constitution and the problem of personal identity Benjamin L. Curtis and Harold W. Noonan	348
Constitution, realization and identity: Empirical implications for three theories of the metaphysics of consciousness Douglas Keaton	372
Correlation, causation, constitution: On the interplay between the science and philosophy of consciousness Benjamin P. Kozuch and Uriah Kriegel	400
The material constitution of phenomenal consciousness Derk Pereboom	418
Material constitution, the neuroscience of consciousness, and the temporality of experience Benjamin L. Curtis	433
The structure of phenomenal consciousness Jonathan P. Opie and Gerard J. O'Brien	445
Index	465