

# CONTENTS

## VOLUME ONE

Notes on the Editors of this Volume .....	ix
List of Contributors .....	xi
List of Illustrations .....	xv
Introduction .....	xix
CLAUS ZITTEL	

### PART I

#### BEGINNINGS

“Industrious Observations, Grounded Conclusions, and Profitable Inventions and Discoveries; the Best State of That Province”: Technology and Culture during Francis Bacon’s Stay in France .....	3
LUISA DOLZA	
Francis Bacon’s <i>Scientia Operativa</i> , The Tradition of the Workshops, and The Secrets of Nature .....	21
JÜRGEN KLEIN	
Technical Knowledge and the Advancement of Learning: Some Questions about ‘Perfectibility’ and ‘Invention’ .....	51
ROMANO NANNI	
The Weatherglass and its Observers in the Early Seventeenth Century .....	67
ARIANNA BORRELLI	

## PART II

## BACON: MECHANICS, INSTRUMENTS AND UTOPIAS

- The Role of Mechanics in Francis Bacon's *Great Instauration* .... 133  
SOPHIE WEEKS
- Bacon's Brotherhood and its Classical Sources: Producing  
and Communicating Knowledge in the Project of the  
Great Instauration ..... 197  
DANA JALOBEANU
- The Whale under the Microscope: Technology and  
Objectivity in Two Renaissance Utopias ..... 231  
TODD ANDREW BORLIK