dandelon.com
© 2008 AGI-Information Management Consultants
May be used for personal purposes only or by
libraries associated to dandelon.com network.

On Architecture, the City, and Technology

Edited by
MARC M. ANGELIL

ASSOCIATION OF COLLEGIATE SCHOOLS OF ARCHITECTURE

BUTTERWORTH ARCHITECTURE

UNIVERSITÄTSBIBLIOTHEK
HANNOVER
TECHNISCHE
INFORMATIONSBIBLIOTHEK

Contents

Acknowledgements 7

Introduction 9
MARC M. ANGELIL

The New Plurality in Architecture 13
FREI OTTO

The Second-Hand City: Modern Technology and Changing Urban Identity 16
FRITZ NEUMEYER

Responding to Fritz: On Disarming Words and Pictures in the Telling of Teleological Stories 26
JOHN WHITEMAN

PART ONE: TECHNOLOGY AND THE METROPOLIS

1. Mapping the Post-Modern City: Two Arguments for Notation 33
STANLEY ALLEN

2. Technology, the Metropolis and the Avant-Garde Function 37
SHAYNE O'NEIL

PART TWO: TECHNOLOGY AND SOCIETY

3. The Roman Latrine: Urban Technology and Socialization 41
DIANE FAVRO

4. Pandora's Black Box: The Cellular Prison in France, 1830-1860 44
DAVID VANDERBURGH

5. Designing the Inaccessible Plaza 48
ANASTASIA LOUKAITOU-SIDERIS

PART THREE: TECHNOLOGY AND AESTHETICS

6. The Construction Drawings of a Blind Architect 52
MARCO FRASCARI

7. Drawing Out of Architecture 55
JAMES P. WILLIAMSON

8. Automatic Determinism or the Devil in Mr. Meyer 58
PRESCOTT MUIR

PART FOUR: TECHNOLOGY AND DRAWING REPRESENTATION

9. Technological Advances Affecting Architectural Representational Methods 62
OMAR FAWZY

10. Modernity, Technology and Caricature: The Representational Qualities of Erich Mendelsohn's Sketches 65
KENDRA SCHANK SMITH

11. *In Transitu*: Material Simulation in the Design Studio 69
PETER WONG

12. The Model Represents a Measure of Modernity 74
ALBERT C. SMITH

PART FIVE: TECHNOLOGY AND THE CULTURE OF MODERNITY

13. A Monument to the End of Modernity: Implications of Gianni Vattimo's Discourse on Architecture 77
GEVORK HARTOONIAN

14. Invisible/Visible Technology 80
DAVID EVAN GLASSER

15. An Interpretation of Urban High Tech: Its Essence and Existence 83
NADIA M. ALHASANI

PART SIX: TECHNOLOGY AND ARCHITECTURAL DESIGN

16. The Act of Making 86
MICHAEL BOROWSKI

17. Ronchamp: Structure as Symbol - Symbol as Structure 89
ROBERT L. COOMBS

18. Kahn's Details at Salk 93
DANIEL S. FRIEDMAN

PART SEVEN: TECHNOLOGY AND BUILDING CONSTRUCTION

19. The Crisis of the Construction Pattern Book 99
KENT KEEGAN AND GIL SNYDER

20. Chicago - Los Angeles: The Concrete Connection 103
KATHRYN A. SMITH

21. The Poetics of Thermal Technology 106
JOSEPH B. ODOERFER

PART EIGHT: TECHNOLOGY AND HIGH-RISE BUILDINGS

22. High-Rise Building Structure Types 109
WOLFGANG SCHUELLER

23. Building Heights and the Calculation of Early Skyscraper Frames 114
ELWIN C. ROBISON

24. High-Rise Buildings: Firmness, Commodity, or Delight? 117
IVAN ZAKNIC

PART NINE: TECHNOLOGY AND THE HOUSE

25. Appearance - Innovation -Synthesis: The Technology of Frank Lloyd Wright's Residential Work 121
MAX UNDERWOOD

26. The Architect and the Housewife 124
JACQUELINE LEAVITT

27. The Home as Information Factory: The Changing Role of the Home for Home-Based Workers 128
PENNY GURSTEIN

PART TEN: TECHNOLOGY AND TEACHING

28. Teaching Technology: What *Do* Architects Need to Know About Structures? 131
JONATHAN OCHSHORN

29. Beyond the Bauhaus: Integrating Technology and Design in the Studio 135
DR. MARK GELERNTER

30. Representation and Function: Teaching the Art of Detailing 139
GIL SNYDER

PART ELEVEN: TECHNOLOGY AND THE LANDSCAPE

31. Boston's Central Artery 143
YIM LIM

32. Landfills: The Confluence of Technology and Landscape 146
RICHARD W. MAYER

33. The Urban Landscape and Technology 148
ACHVA BENZINBERG STEIN

Appendix 151