Contents

Note on Typographical Conventions x

Note on Terminology xi

List of Archives xvi

List of Figures xvii

List of Tables xxvi

Acknowledgements xxvii

1 Introduction 1

Arabic Type in the New Millennium 1
Situating this Book 8
Aspects of the Arabic Script 14
The Typographic Representation of the Arabic Script 22
Arabic Publishing at the Turn of the Twentieth Century 26

2 Mechanical Composition of Arabic 35

The Industrialisation of Printing The Beginning of Arabic Mechanical Composition Mergenthaler Linotype's First Arabic Linecaster Founts The Beginning of Arabic Type-Making at Linotype & Machinery The Arabic Typewriter 73 **Arabic Script Reform** Nasri Khattar's Endeavours in Arabic Type Design 86 Ahmed Lakhdar Ghazal and the ASV Codar Type 90 The Printing Trade and the Middle East after the Second World War 104 Simplified Arabic, Kamel Mrowa, and Al-Hayat 109 Simplified Arabic: Proof of Concept Intertype Abridged Arabic A New Design: Series 8 with 9 Monotype Hot-Metal Composition Monotype's First Arabic Typeface: Series 507 A Design for Urdu



69

A New Typeface for the Middle East 155

Monotype Series 549, the Unwitting Mechanisation of
Qur'an Typography 160

Monotype Series 589, Full Vocalisation 170

The Beginning of Computer-Aided Arabic Composition 183

The Development of Character Selection and
Kashida Insertion Routines 187

3 Photocomposition: Towards Immaterial Type 205

Beginnings of a New Technological Era 205
Arabic on the Monophoto 213
Expansion of Monotype's Arabic Type Catalogue 219
Simplified Arabic for Monophoto 225
Arabic on Linotype Photocomposition Machines 229
Towards an Arabic Photocomposition Programme 237
Arabic Type Developments by Linotype-Paul Ltd. 253
A Widening Field, the Emergence of New Developers 261
Arabic Type by the Photon Company 261
Endeavours in Arabic Type by Dr Edward Plooij 274

4 Persian Type and Typography 285

Early Persian Printing and Typography 285 A Simplified Typeface for Persian 290 Mitra and Nazanin, the Consolidation of a Persian Typographical Identity 306

5 Beginnings of Digital Arabic Type 319

Type Loses its Material Properties 319
Pierre MacKay and Computer-generated Arabic Type 323
The KITAB Software for the Hell Digiset 327
Compugraphic's Venture into Arabic Type 335
Digital Tools in the Service of the 'Hanging'
Styles Nasta'līq and Ruq'ä 340
Nasta'līq on the Monotype Lasercomp 346
Linotype Ruq'ah, the Exploration of a Writing Style 352
Linotype Sheeraz, a New Approach to Arabic Type 368

6 Looking Forward: PostScript and Beyond 383

The End of Machine-dependence 383 Linotype's Arabic PostScript Programme 392 Upheaval and Convergence, on the Road to Unicode 400 Desktop Publishing Tools for Arabic 406 DecoType 410

7 Complexities and Simplifications:

Factors in the Evolution of Arabic Type-Making 435

Progress through Technology 435
Collaboration between East and West 439
Cultural Identity Expressed through Type 445
Radical Innovation and its Limits 451
Did Technological Advances Improve Arabic Type? 458
Epilogue: Arabic Type-Making Today 467

Annex 1 475

Annex 2 478

Bibliography 483

Published Sources 483
Patents 494
Online Sources 496
Unpublished Sources 499

Index 500

People 500 Subjects 502