THE HISTORY OF CONTACT LENSES

Volume Three

FROM CORNEO-SCLERAL SHELLS TO CORNEAL CONTACT LENSES (1920-1970)

Robert Fernand Heitz
M.D. Faculty of Medicine, University of Strasbourg, France
Emeritus Chief, Dpt. of Ophthalmology, Hospital Center, Haguenau, France
Ph.D. Historical and Philological Sciences (EPHE, Paris)

Translated by
Colin Mailer, FRCS (C), London/ON Canada
Preface

This is the third volume of the History of Contact Lenses and it basically covers a half-century in the evolution of contact glasses and lenses, starting in 1920 with the first descriptions of glass corneoscleral shells. It continues with the era in which polymethyl methacrylate rapidly superseded glass. Next follow a period during which contact shells where replaced by corneal lenses. This epoch ended around 1970, with their gradual replacement by contact lenses made from other materials. There were soft or rigid and gas-permeable.

For a historian, this ambitious project has meant assembling fifty years of evolving cognitions, placing the facts in a hierarchy without short-changing, mistaking essentials or losing oneself in small detail. The historian has, in fact, to make him invisible behind the subject under study and avoid any temptation to surprise by false transcription or interpretation. He must reproduce this data for transmission, but without betraying the thoughts of the actors or the context in which the facts have been produced or reported.

Nearly 2000 original documents have been studied in order to reconstitute this half-century in the history of development of contact lenses. Essential passages have been quoted, at least, in part. If translated, the original version has been reproduced in order to allow understanding of possible nuances expressed by the authors in their mother tongue. Certain episodes have been finalized by evidence received from the actors themselves, intermediaries and surviving witnesses from the era. These meetings have been wonderful and tremendously useful to me in assembling all types of factual material consulted in libraries, archives and museums.

The reader will be able to judge if the historical reconstitution of the facts has been accurate and truthful. Such is also my sincere wish as author.

Robert Fernand Heitz
M.D. (Ophthalmologist), Ph.D. (Historical Sciences)

23A, Rue Trubner
F 67000 Strasbourg (France)

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To the publisher Jean-Paul Wayenborgh comes the merit of having supported a sizeable historical memoire in an area of ophthalmic science minimally explored previously. In the face of various reports and anecdotes widely disseminated by the media, Jean-Paul has courageously backed up my efforts to document the real historical truth. The History of Contact Lenses also complements his large collection of volumes published in the same series and with the same purpose.

My thanks go also to all those who have contributed evidence directly or indirectly to this volume. I also thank them for their support and encouragement: Philippe Baronet, Timothy Bowden, Herschell Boyd, Werner Claas, Paul Cochet, Oliver Dabezies, Joseph Dallos, Maximilian Dreifus, Wulf Ehrich, Jay Enoch, Andrzej Grzybowski, István von Győrffy, Pierre Jaquemin, Kiewiet De Jong, Richard Keeler, Herman Kemmetmüller, Drahoslav Lim, Christiane Maréchal-Courtois, Saiichi Mishima, Víctor Much, George Nissel, Jean Nordmann, Montague Ruben, Richard Pearson, Pierre Rocher, Otto Wichterle, Wolfgang Wimmer. I am also particularly grateful to the museum curators and members of their staff in archives and libraries for their warm welcome and their enthusiasm for the cherished treasures from the history of science conserved in prestigious locations under their jurisdiction in Berkeley (California), Jena, London, Paris, San Francisco, Strasbour and Washington D.C.
TABLE OF CONTENTS

Chapter XX
THE ZEISS CORNEO-SCLERAL SHELLS IN GERMAN-SPEAKING EUROPE (1920-1944) 1
Introduction 3
1 - The Zeiss Contact Shells for Keratoconus (1920 – 1929) 4
1.1 - In Germany and Switzerland 4
1.1.1 - The Three Trial Contact Glasses of Zeiss and their Use by Dohme (1922) 4
1.1.2 - The Publications of Siegrist (1925) 6
1.1.3 - Sommer’s Doctoral Thesis (1927) 7
1.1.4 - Hegner (1927) 8
1.1.5 - Presentation of the Four Zeiss Trial Overlay-Glasses (1927) 8
1.1.6 - Von Clausen and Discussions of Erggelet, Fischer and Hartinger (1928) 9
1.1.7 - Non-optical Use of Zeiss Contact Shells 10
1.2 - In Austria 10
1.2.1 - Lauber and Discussions of Sachs, Meller, Kestenbaum and Krämer 10
1.2.2 - Pröcksch (1928) 10
1.2.3 - Aust and Discussions of Lauber, Sachs, Lindner (1929) 11
1.2.4 - Deutsch and Discussions of Lauber and Krämer (1929) 12
1.2.5 - The 49 Contact Lens Fittings of Deutsch (1929) 12
1.2.6 - Pröcksch’s Protest and Lindner’s Reply (1929) 13
2 – The Zeiss Contact Shells for all Refractive Errors (1930-1933) 13
2.1 - The Presentations of Leopold Heine (1929-1933) 13
2.1.1 - The Presentation to the Congress of Amsterdam (1929) 13
2.1.2 - The Publication in the Münchner Medizinische Wochenschrift (1930) 15
2.1.3 - The Publication in The Lancet (1931) 15
2.1.4 - The New Indications (1931) 16
2.1.5 - The Absence of Risks from Adherent Lenses (1931) 16
2.1.6 - Heine’s Final Synthesis (1933) 17
2.2 - The Presentations by Hans Hartinger 18
2.2.1 - Hartinger’s ‘Optical Theory’ (1930) 18
2.2.2 - The Improvements in Zeiss Contact Glasses and ‘Special Shapes’ (1930-1931) 21
2.3 - The Presentations by Victor Much 22
2.3.1 - The Clinical and Historical Publications 22
2.3.2 - The ‘Orthopedic Treatment’ (1932) 22
2.4 - The Epilogue to the Commitments of Heine and Much 23
3 – The Evolution of Zeiss Ground Glass Shells (1933-1944) 24
3.1 - Dallos’ Short Collaboration with Zeiss (1930-1931) 24
3.2 - Documents Showing Use of Zeiss-Heine Contact Glasses 25
3.3 - The Contributions of C.H. Sattler 26
3.3.1 - The Doubts of Sattler (1930) 26
3.3.2 - Sattler’s Veil and the Contact Glasses of Zeiss-Sattler (1935) 26
3.3.3 - Sattler’s Experience (1937) 29
3.4 – The Evolution of the Zeiss Contact Shells 29
3.4.1 - Zeiss Shells with Molded Haptic (1936) 29
3.4.2 - Hartinger’s Assessment (1938) 31
3.4.3 - Reviews of Serr and Fertsch (1942) 31
3.4.4 - Obrig and Zeiss Molded Contact Shells 31
Notes in Chapter XX 33

Chapter XXI
THE ALTERNATIVES TO ZEISS CONTACT SHELLS IN GERMAN-SPEAKING EUROPE 39
Introduction 41
1- The Blown Glass Contact Shells of Müller Brothers 42
1.1 - Ten Years of an Alternative to Ground Contact Shells for Keratoconus (1920 – 1930) 42
1.2 - The Decline of Traditional Blown Contact Shells (1930-1939) 46
1.3 - Technical Improvements in Muller Brothers Contact Shells 48

ix
Chapter XXII

GLASS CORNEO-SCLERAL SHELLS IN THE UNITED STATES OF AMERICA (1928-1940) 73

Introduction 75

1 - The First Publications (1928-1929) 76
1.1 - The First Ground Contact Shells of Zeiss 76
1.1.1 - Donald O’Rourke (1928) 76
1.1.2 - Robert von der Heyd (1928) 76
1.1.3 - George Strong Derby (1928) 77
1.1.4 - Dewey Katz (1929) 78
1.2 - The First Blown Corneo-scleral Shells 78
1.2.1 - Olga Sitchevska and James Watson White (1931) 78
1.2.2 - Legrand H. Hardy, Clyde E. McDannald and W.S. Knighton (1932) 79
1.2.3 - Blatt’s translation (1932) 80
2 - The Contact Shells of Zeiss-Heine (1930-1933) 80
2.1 - Robert von der Heydt and Harry Gradle (1930-1932) 80
2.2 - Louis Kazdan and Others (1931, 1932) 81
2.3 - William Feinbloom (1930, 1932) 82
2.4 - Milton F. Little, Daniel M. Rollet (1933, 1936) 82
3 - Renewal of Interest in Ocular Moldings 82
3.1 - The Moldings of Joseph Dallos and C.L. Stevens (1936) 82
3.2 - Jacob R. Feldmann and the Lachrymal pH (1937) 83
4 - The Evidence of Mostyn-Brown (1936) 83
5 - The Contributions of T.E. Obrig (1937-1938) 84
5.1 - The Fitting of Contact Lenses (1937) 84
5.2 - The Molded Contact Lens (1938) 85
5.3 - The Cobalt Blue Filter (1938) 86
6 - Other Contact Lens Fitters and Manufacturers 87
6.1 - Kollmorgen Optical Corporation 87
6.2 - Feinbloom and Others 87
7 - Müller-Welt Glass Contact Shells in the United States of America 88
7.1 - Fritz Nelson (1937) 88
7.2 - William F. Moncrieff (1938) 88
CHAPTER XXIII

THE GLASS CORNEO-SCLERAL SHELLS IN OTHER COUNTRIES THROUGHOUT THE WORLD (1920-1942) 95

1 - The Glass Corneo-scleral Shells in the United Kingdom 97
1.1 - The Awakening of Interest in Contact Lenses (1920-1930) 97
1.2 - Zeiss-Heine Contact Shells in the United Kingdom (1930-1935) 97
1.2.1 - Rugg-Gunn (1930) 97
1.2.2 - Heine's Reply to Rugg-Gunn (1931) 97
1.2.3 - Rugg-Gunn, Rycroft and Wright (1932) 98
1.2.4 - Rycroft, Williamson-Noble and Other Fitters (1933-1935) 99
1.3 - Dallos' Influence (1936-1954) 100
1.3.1 - The Hamblin-Dallos Contact Lenses 100
1.3.2 - The Individual Fitting of Contact Glasses (1937) 101
1.3.3 - Emulation in London 101
1.3.4 - The Contact Lens Centre 102
1.3.5 - Description of the Sattler's Veil by Dallos (1946) 104
1.3.6 - Further Evidences from Dallos 105
2 - The Glass Corneo-scleral Shells in Utrecht (1932-1939) 106
2.1 - Weve and Thier's Interest 106
2.2. - The Utrecht Clinical Laboratory 107
3 - The Glass Corneo-scleral Shells in Italy 108
3.1 - Vincenzo Gualdi (1931-1935) 108
3.2 - Bruno Prister and other Fitters (1933-1935) 109
4 - The Glass Corneo-scleral Shells in the other Western European non-German speaking Countries (1920-1940) 110
4.1 - In France 110
4.1.1 - Georges Weill (1928) 110
4.1.2 - The Haas Report (1937) 111
4.2 - In Switzerland 111
4.3 - In Belgium 112
5 - The Glass Corneo-scleral Shells in Central and Eastern non German-speaking Europe – (1920-1940) 113
5.1 - In Hungary 113
5.1.1 - Fésus and Dallos (Budapest, 1929) 113
5.1.2 - Györfy and Mihályhegyi 113
5.2 - In Poland 114
5.3 - In Rumania 114
5.4 - In Czechoslovakia and Slovenia 115
6 - The Glass corneo-scleral Shells in other Countries, outside of USA and Europe 115
6.1 - In South America 115
6.2 - In Africa, Australia and Asia 115

Notes in Chapter XXIII 117

CHAPTER XXIV

THE FIRST CORNEO-SCLERAL SHELLS MADE FROM SYNTHETIC THERMOPLASTIC MATERIALS 123

1 - Attempts and Discoveries 125
1.1 - First Attempts to Produce Contact Shells from Synthetic Materials 125
1.2 - Janislav and Victor Teissler's Celluloid Corneo-scleral Shells (1937) 125
1.3 - The Introduction of PMMA 126
2 - Combined Corneo-scleral Contact Shells 127
2.1 - The Patents 127
2.1.1 - Patents B.L. Wilhelm (1928, 1931) 127
2.1.2 - Patent E. Möller (1930) 127
2.1.3 - Patent D.H. Row (1936) 128
2.1.4 - Patents W. Feinbloom (1936 - 1938) 128
2.1.5 - Patent H. Dannheim (1937) 128
2.1.6 - Patent American Optical (R.J. Beitel Jr., 1938) 128
2.1.7 - Patent American Optical (L.L. Gagnon & H.R. Moulton, 1938) 128
2.1.8 - Other Patents (1937-1946) 128
2.2 - William Feinbloom’s Combined Contact Lenses 129
2.2.1 - The ‘Semi-plastic’ Contact Lens (1936) 129
2.2.2 - The Evidence from Mostyn-Brown (1936) 131
2.2.3 - Obrig’s Appreciation (1942) 133
2.2.4 - Feinbloom’s Abandonment of Combined Contact Shells (1945) 133
3 - The First Pmma Corneo-scleral Contact Shells (1937-1940) 133
3.1 - Honors and Priorities 133
3.2 - The Patents describing Contact Shells made entirely from Polymerized Materials (1936, 1937) 134
3.3 - Theodor Obrig and John Mullen (1938-1939) 135
3.4 - István von Györgyi (1938-1944) 135
3.5 - Petrus Franciscus Xavierus Thier (1938-1940) 136
3.6 - Adrien Fritz (1939-1940) 137
3.7 - Other Pioneers 137
4 – The Great Rupture 137
Notes in Chapter XXIV 139

CHAPTER XXV
CORNEO-SCLERAL SHELLS MADE FROM PMMA IN THE UNITED STATES OF AMERICA (1940-1950) 141

Introduction 143
1 - Contributions from Theodor Obrig and Associates 144

Introduction 144
1.1 - Obrig’s Manual ‘Contact Lenses’ (1942) 144
1.1.1 - The Manual 144
1.1.2 - The Obrig ‘All-Plastic Molded’ Contact Lens 146
1.1.3 - Obrig Technique for making Casts of the living Human Eye 146
1.1.4 - Fitting of ‘All-Plastic Molded’ Contact Lenses 147
1.1.5 - Solutions used for the Liquid Lens 147
1.1.6 - Contact Lens Patents and Bibliography 147
1.2 - Obrig’s ‘Moldite’ molding Powder (1943) 148
1.3 - The ‘Science of Fitting’ by Salvatori and Oriani (1943) 148
1.4 - The First National Contact Lens Conference (1944) 149
1.5 - The Impasse of Contact Lens Solutions (1947) 151
1.6 - The ‘Solutionless Lacrilens’ Contact Lens (Salvatori) 152
2 – THE CONTRIBUTIONS OF WILLIAM FEINBLOOM (1940-1950) 153

Introduction 153
2.1 – The Feinbloom Plastic Contact Lenses 154
2.2 – Absence of Drugs in Fitting Contact Lenses 154
2.3 – The Practice of Fitting Contact Lenses (1940) 155
2.4 – The ‘Feincone’ Contact Lenses 155
2.5 – The ‘Tangent Cone’ Contact Lens 156
2.6 – The Feinbloom ‘Self-centering’ Corneal Lens 158
2.7 – Other Feinbloom Initiatives 158
3 - Other Manufacturers and Fitters of Pmma corneo-scleral Contact Shells in the United States (1940-1950) 159
3.1 - Ewing Adams, Detroit 159
3.2 - Edmond Alvis, St Louis 159
3.3 - Albert L. Anderson (Precision Contacts) Minneapolis 160
3.4 - E. Anderson, Canada 162
3.5 - Lawrence L. Beacher (Contact Lens Research Laboratory), New York 162
3.6 - Solon M. Braff, Los Angeles 163
CHAPTER XXVII
THE PMMA CORNEAL CONTACT LENSES  211
1 -  THE GENESIS OF CORNEAL CONTACT LENSES (1948-1952)  213

Introduction  213
1.1 -  The Discovery and the First Opinions (1947-1949)  213
1.1.1 -  K.M. Tuohy’s Discovery (1947)  213
1.1.2 -  The Primary Publication of M.W. Nugent (June 1948)  215
1.1.3 –  The Tuohy Patent (1948 - 1949)  216
1.1.4 -  The First Opinions and Experiments (1948-1949)  217
1.2 -  The Second Wave of Commentaries (1950 to 1952)  219
1.2.1. –  The ‘Second Reports on the Tuohy Corneal Lens’ by M.W. Nugent (1949-1950)  219
1.2.2 -  The Presentation of the ‘Corneal Lens’ by H.S. Harris  222
1.2.3 -  The Guarded Opinion of S.V. Abraham and P.D. Shanedling (1950)  222
1.2.4 –  J.C. Neill’s Second Commentary (1951)  222
1.2.5 –  The Prudent Optimism of R. Graham (1951-1952)  223
1.2.6 –  The Clinical Trials Carried out by C. Berens, L. Girard and K. Force (1952)  224
1.2.7 –  Other Publications and Extension of the Indications (1951-1952)  224
1.2.8 -  The ‘Army Contact Lens Evaluation Study’ (1952)  225
2 -  The Tuohy Corneal Lenses in 1952  225
2.1 -  Documentations of Solex Laboratories (1948-1952)  225
2.2 -  The Tuohy Corneal Lens in 1952  227
2.3.1 -  Presentation.  227
2.3.2 -  Fitting  228
2.3.3 -  Indications  228
2.3.4 -  Appreciation  228
3 -  Contemporaries, Precursors and Contestations  228
3.1 -  Contemporaries of the Discovery  228
3.1.1 –  D.C. England (1946)  229
3.1.2 –  X.R. Villagran (1946)  229
3.1.3 -  G.C. Butterfield (1949-1951)  230
3.1.4 –  S.W. Silverstein (1950-1953)  231
3.1.5 -  N.O. Stimson (1951-1953)  231
3.1.6 –  J.J. Hornstein (1952-1957)  232
3.1.7 –  H. Wöhlk233
3.1.8 –  J. Cabarrouy  234
3.1.9 –  A. Müller-Welt  234
3.2 -  SOME PRECURSORS OF CORNEAL CONTACT LENSES  235

Introduction  235
3.2.1 -  Attributions to Da Vinci, Descartes, Herschel and Others  236
3.2.2 -  A.E. Fick’s Contact Lenses (1888)  236
3.2.3 -  E. Kalt’s Monocurved Small-diameter Lenses (1888)  237
3.2.4 – Müller’s Corneal Lens (1889) 237
3.2.5 – Zeiss Corneal Contact Lenses for Stock, Rohr and Erggelet (1912-1921) 238
3.2.6 – Zeiss Corneal Contact Lenses for H.J.M. Weve (1932) 238
3.2.7 - Other Attributions 239
3.3 – Protests and Lawsuits 239
3.3.1 – Lawsuits Launched by Solex Laboratories (1950-1960) 239
3.3.2 – Lawsuits Conducted by the Plastic Contact Lens Co. (1960-1969) 241
3.3.3 – Lawsuits Initiated by Butterfield 242
4 – TWENTY YEARS OF PROGRESS IN PMMA CORNEAL CONTACT LENSES 243
   Introduction 243
4.1 - The Decade of Contact Lens Optics and Lens Design 244
4.1.1 – The Micro-lens Episode (1954) 244
4.1.2 – The Apical Alignment and Clearance Design 246
4.1.3 - The Aspheric Design 247
4.1.4 - Evolution and Special Design 248
4.2 – The Decade of Corneal Physiology and Oxygen Need 249
4.3 – The Decade of New Contact Lens Materials 250
4.4 – Major PMMA Corneal Lens Laboratories around the World 250
   4.4.1 – In the United States 250
   4.4.2 - Major PMMA Corneal Contact Lens Laboratories in Europe 258
   4.4.3 – Major PMMA Corneal Contact Lens Laboratories in other Countries throughout the World 260
   Notes in Chapter XXVII 261

CHAPTER XXVIII
THERAPEUTIC AND DIAGNOSTIC APPLICATIONS OF CONTACT SHELLS AND CONTACT LENSES 265
   Introduction 265
   1 - CONTACT SHELLS AND THERAPEUTIC CORNEO-SCLERAL LENSES IN USE BETWEEN 1920 AND 1950 267
   Introduction 267
   1.1 - Contact Shells and Lenses in the Presence of Ocular and Palpebral Pathologies 267
   1.2 Contact Shells used for Protection against Radiation 271
   1.2.1 – Prevention of Photophobia 271
   1.2.2 – Protection against Ionizing Radiation 273
   1.2.3 - For Use with Ocular and Orbital Surgery 273
   1.3 – Contact Devices for Diagnostic Aid 274
   1.3.1 – Shells for Radiological Location of orbital and intraocular Foreign Bodies 274
   1.3.2 – Shells for Examination of Ocular Media 275
   1.3.3 – Devices for the Study of Ocular Movements 276
   1.3.4 – Aid for Study of Binocular Vision 276
   1.4 - Contact Shells in Retinal Diseases as Ocular in a Telescopic Device 277
   1.5 - Cosmetic Contact Shells 278
   1.6 - Contact Shells for ‘Orthopedic Corneal Reshaping’ 279
   2 - Therapeutic Corneo-scleral Shells after 1950 and Flush-fitting Shells 280
   Introduction 280
   2.1 – The New Approach of Frederic Ridley 280
   2.2 – Flush-fitting Shells in the USA 283
   Notes in Chapter XXVIII 284

CHAPTER XXIX
50 YEARS OF ADVANCES IN FITTING PROCEDURES FOR CONTACT LENSES - AN OVERVIEW 287
   Introduction 287
   1 – PROCEDURES FOR THE MEASUREMENT OF OCULAR TOPOGRAPHY BY MECHANICAL CONTACT. 289
   Introduction 289
   1.1 – Sclerometer of Friede (1926) 289
   1.2 - Von der Heydt’s Gauges (1928, 1932) 290
   1.3 – Helmbold’s Sclero-Keratometer 290
   1.4 - Dallos’ Tholometer (1930, 1932) 290
   1.5 - The Utrecht Gauge 290

xv