

# THE HISTORY OF CONTACT LENSES

Volume Three

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

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## **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 corneo-scleral shells. It continues with the era in which polymethyl methacrylate rapidly superseded glass.. Next follow a period during which contact shells were 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.

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To the publisher *Jean-Paul Wayenborgh* comes the merit of having supported a sizeable historical memoir 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 Györffy*, *Pierre Jaquemin*, *Kiewiet De Jong*, *Richard Keeler*, *Herman Kemmetmüller*, *Drahoslav Lim*, *Christiane Maréchal-Courtois*, *Saiichi Mishima*, *Victor 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, Strasbourg and Washington D.C.

## TABLE OF CONTENTS

### Chapter XX

THE ZEISS CORNEO-SCLERAL SHELLS IN GERMAN-SPEAKING EUROPE (1920-1944)	1
<i>Introduction</i>	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 - Procksch (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 - Procksch'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)	12
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
<i>Introduction</i>	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 Müller Brothers Contact Shells	48

2 -	The Dallos Alternative	49
2.1 -	Criticisms and Proposals of Dallos	49
2.1.1 -	Dallos' Break-up with Zeiss	49
2.1.2 -	The Tholometer	49
2.1.3 -	The Dioptric Role of the Lachrymal Meniscus	49
2.2 -	The Ocular Molding with Poller's Negocoll (1932)	50
2.3 -	The Synthesis Publication of Dallos (1933)	51
2.3.1 -	The Principles of a Physiologic Contact Shell	51
2.3.2 -	The Ocular Molding	51
2.3.3 -	The Positive Cast	52
2.3.4 -	Contact Lenses from Ocular Molds	52
2.3.5 -	The Criticisms and the Eulogies	52
2.3.6 -	The Physiological Contact Shells	53
2.3.7 -	Shells for Special Indications	53
2.3.8 -	Testimonies about Dallos' Efficiency	53
2.4 -	Contact Glasses, the 'Invisible Spectacles'	54
2.5 -	Dallos in London	55
2.6 -	Sattler's Veil, Fenestration and Corneal Respiration	56
3 -	The Müller-Welt Glass Scleral Contact Lenses	58
3.1 -	The First Patents	58
3.2 -	The First Generation of Müller-Welt Contact Shells (1932-1934)	59
3.3 -	The Renewal of Müller-Welt Contact Shells (1935)	61
4 -	The Rakos 'Individually Fitted Glass Contact Shell (1935)	63
	Notes in Chapter XXI	66

## Chapter XXII

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

	<i>Introduction</i>	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

8 -	Which Contact Lens?	89
8.1 -	The Editorial of W.H. Crisp (1938)	89
8.2 -	The Propositions of Harry Eggers (1939)	89
8.3 -	Moldings with Dental Wax by Arno E. Town (1939)	89
8.4 -	Various Interesting Publications (1939-1940)	90
8.5 -	Feinbloom, Greenspoon and the Growing Interest of the Optometrists	91
8.6 -	The last Glass Corneo-scleral Shells in the United States of America	92
	Notes in Chapter XXII	93

### 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
1.2.1 -	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 -	Györffy 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 Györffy (1938-1944)	135
3.5 - Petrus Franciscus Xavnerus 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
<i>Introduction</i>	143
1 - Contributions from Theodor Obrig and Associates	144
<i>Introduction</i>	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
<i>Introduction</i>	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

3.7 - Joseph J. Carlson and Mitchell Silbert, New York	164
3.8 - Harry W. Ewald Jr., Pittsburg	165
3.9 - Isodore S. Finkelstein, New York	165
3.10 - Eugene and Milton Freeman (Freeman Laboratories), Chicago	165
3.11 - Reuben Greenspoon, Beverly Hills	166
3.12 - Arthur Hoare, Los Angeles	169
3.13 - Henry J. Hoff, New York	169
3.14 - Hugh L. Hunter, Chicago	169
3.15 - Frederick L. Kollmorgen (Kollmorgen Optical Co.), New York	170
3.16- Adolf Mueller-Welt and Joseph L. Breger, Toronto and Detroit	170
3.17 - John C. Neill, Philadelphia	172
3.18 - Joseph S. Nupuf, Canton	172
3.19 - Parson, San Francisco	173
3.20 - Joseph I. Pascal, New York	173
3.21 - Emerich Rakos (The Invisible Lens Inc.), New York	174
3.22 - Samuel W. Silverstein, New York	174
3.23 - Arno E. Town, New York	175
3.24 - Turner Veith (National Contact Lens Co.), New York	175
3.25 - Newton K. Wesley, George N. Jessen (Precision Plastic Contact Lens Company), Chicago	176
3.26 - Other publications and noteworthy contributions (1940-1950)	176
4 - Assessments and Perspectives (1940-1950)	178
4.1 - The Opinion of the Optometrists	178
4.1.1- Carel Christian Koch's Criticism	178
4.1.2- Charles J. Bridgman's 'Opposed Viewpoints in Fitting'	178
4.1.3- Louis M. Zabner's 'Economics of Contact Lens Fitting'	179
4.1.4- John Collins Neill's Comment	179
4.2 - The Viewpoint of the Ophthalmologists	179
4.2.1- The 'Contact Lens Problem' by Conrad Berens	180
4.2.2- The 'Clinical Status of the Contact Lens' by Abraham and Shanedling	180
4.3 - The US Army Contact Lens Evaluation Study	180
4.4 - The Therapeutic 'Flush-fitting' Scleral Contact Lens in the U.S.	181
Notes in Chapter XXV	183

## CHAPTER XXVI

CORNEO-SCLERAL SHELLS MADE FROM PMMA THROUGHOUT THE WORLD (1940-1950) <i>Except the USA</i>	187
<i>Introduction</i>	189
1 - In the United Kingdom (1940-1950)	189
1.1 - The Companies	189
1.1.1- Norman Bier	189
1.1.2- Joseph Dallos	193
1.1.3- Frank Dickinson and Keith Graham Clifford Hall	194
1.1.4- C.W. Dixey & Son	194
1.1.5- A.J. Forknall	195
1.1.6- Theodore Hamblin Ltd.	195
1.1.7- Charles Davis Keeler Ltd. Contact Lenses	195
1.1.8- Kelvin Lenses Ltd., (British Feincone Lenses)	196
1.1.9- George Nissel and 'Wide-angled Preformed' Lenses	196
1.1.10- R. A. Turner	197
1.2 - Medical and Research Activities	197
1.2.1 - F.A. Williamson-Noble and Frederick Ridley	197
1.2.2 - The 'Flush-fitting' Scleral Contact Lenses	199
1.2.3 - Contact Shells made from Pmma in Aviation	199
1.2.4 - Corneo-scleral Shells for Radiological Examination	200
1.2.5 - Other Noteworthy Publications	200
1.1.6 - The Contact Lens Society - Ida Mann	200
1.1.7 - Research Studies	201
2 - Pmma Corneo-scleral Shells in Continental Europe	201



2.1 -	In Hungary	201
2.1.1 -	István von Györfy	201
2.1.2 -	Géza Mihályhegyi	203
2.2 -	Belgium	203
2.3 -	Switzerland	204
2.3.1 -	German-speaking Switzerland	204
2.3.2 -	French-speaking Switzerland	205
2.4 -	France	206
2.5 -	Other European Countries	206
3 -	PMMA Contact Shells outside of the USA and Europe	208
3.1 -	South America	208
3.2 -	Japan	208
3.3 -	Australia and India	208
	Conclusions	209
	Notes in Chapter XXVI	209

## CHAPTER XXVII

	THE PMMA CORNEAL CONTACT LENSES	211
1 -	THE GENESIS OF CORNEAL CONTACT LENSES (1948-1952)	213
	<i>Introduction</i>	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
2.2.3 -	Indications	228
2.2.4 -	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. Wöhlk	233
3.1.8 -	J. Cabarrouy	234
3.1.9 -	A. Müller-Welt	234
3.2 -	SOME PRECURSORS OF CORNEAL CONTACT LENSES	235
	<i>Introduction</i>	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
<i>Introduction</i>	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
<i>Introduction</i>	265
1 - CONTACT SHELLS AND THERAPEUTIC CORNEO-SCLERAL LENSES IN USE BETWEEN 1920 AND 1950	267
<i>Introduction</i>	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
<i>Introduction</i>	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
<i>Introduction</i>	287
1 – PROCEDURES FOR THE MEASUREMENT OF OCULAR TOPOGRAPHY BY MECHANICAL CONTACT.	289
<i>Introduction</i>	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

1.6 –	Szymanski’s Metallic Shells	291	
1.7 –	Trial Contact Shells and Lenses	291	
1.7.1 -	Glass Trial Corneo-scleral Shells	291	
1.7.2 –	Pmma Trial Corneo-scleral Contact Shells	293	
1.8 –	Instrument for Measuring the Distance from Eye to Spectacle Lens	294	
2 -	OCULAR TOPOGRAPHY USING MOLDS	294	
	<i>Introduction</i>	294	
2.1 -	Csapody’s Ocular Moldings (1929-1933)	294	
2.1.1 -	Early Experiments	294	
2.1.2 –	Eyeball Moldings using Paraffin	295	
2.1.3 –	Dentokoll Trial Moldings	295	
2.1.4 –	The Presentation of Ocular Moldings	296	
2.1.5 –	Failure of Paraffin Molds	296	
2.1.6 -	Csapody’s Priority	296	
2.2 –	Negocoll Ocular Moldings	296	
2.2.1 –	Poller’s Negocoll (1931)	296	
2.2.2 –	Dallos’ Negocoll Ocular Moldings	297	
2.2.3 -	Stevens’ Corneal Moldings (1936)	298	
2.2.4 -	Obrig’s Negocoll Ocular Moldings (1938)	298	
2.3 -	Early Dental Wax moldings	299	
2.3.1 -	Priester’s ocular moldings (1933)	299	
2.3.2. -	Feinbloom’s Scleral Wax Moldings	299	
2.4 -	The Moldite of the Obrig Laboratories	299	
2.5 -	British Zelex	300	
2.6 –	Other Products used in Molding	300	
2.7 -	Evolution of Molding Shells, Molding Cups and Other Accessories required for Performing Moldings	300	
2.8 –	The Duplication of Molds	301	
3 –	Keratometry and Corneal Topography using Corneal Reflections	302	
3.1 -	Keratoscopes , Reflexographs and Keratographs	302	
3.2 -	The Pathway Towards Topographic Keratometry	302	
4 –	Examination of the Lateral View of the Eye using Photography and Radiography	303	
5 -	Evolution in the Fitting Practices for Contact Shells and Lenses: a 50-year Survey	303	
5.1 -	Fitting Glass Corneo-scleral Shells: an Empirical Approach	303	
5.2 -	An Approach to Physiological Fitting by Ocular Moldings	304	
5.3 -	Advances in Corneo-scleral Contact Shells made from Plastic Materials	305	
5.4 -	Corneal Contact Lenses	305	
	<b>PLATES I-X</b>	307	
	Notes in Chapter XXIX	318	
	<b>BIBLIOGRAPHY</b>	321	
	<b>INDEX OF PERSONAL NAMES</b>	345	