



Preface	6		
Introduction	7		
Chapter 1:	8	The Discovery of Soaring	
	8	Pelzner	
	10	Schwatze Düvel	
	13	Weltensegler	
	15	Vampyr	
	17	Harth & Messerschmitt	
	21	Anthony Fokker's biplane	
	21	Peyret Tandem	
Chapter 2:	25	The Darmstadt School of Design	
	26	D - 7 Margarete	
	26	D - 9 Konsul	
	30	Württemberg	
	30	D - 17 Darmstadt and 'Chanute'	
	34	D - 19 Darmstadt 2	
	34	Musterle	
Chapter 3:	38	Learning to fly	
	38	Djävlar Anamma (Hols der Teufel)	
	40	Zögling and Prüfling	
	44	Dagling	
	47	Grüne Post	
	47	SG - 38	
Chapter 4:	50	The Rhön Ghost	
	50	Storch	
	54	Storch VIII Marabu	
	54	Delta	
	54	Falke	
Chapter 5:	58	Lippisch, Georgii and Thermal Soaring	
	59	Professor	
	62	Wien	
	65	Fafnir	
	70	Obs	
	70	Fafnir 2 Sao Paulo	
Chapter 6:	73	Dittmar and the Condors	
	73	Condor	
	76	Condor 2 & 3	
Chapter 7:	78	The very large and the very small	
	79	Ku - 3 Kakadu	
	81	Ku - 4 Austria	
	82	D - 28 Windspiel	
Chapter 8:	85	Schneider and Grunau	
	85	ESG 31	
	87	Grunau Baby	
	93	Moazagotl	
Chapter 9:	97	Schempp Hirth	
	97	Göppingen 1 Wolf	
	99	Göppingen 3 Minimoa	
	103	Göppingen 4 Gövier	
Chapter 10:	104	Hans Jacobs and the factory sailplanes	
	104	Jacobs' Hols der Teufel	
	106	Luftkurort Poppenhausen	
	106	Rhönadler	
	110	Rhönbussard	
	112	Rhönsperber	
	114	Sperber Senior	
	117	Sperber Junior	
	119	Kranich	
	120	Habicht	
	123	Reiher	
	126	Weihe	
	128	Meise/Olympia	
Chapter 11:	132	Steel tubes and fabric	
	132	München Mü 10 Milan	
	134	Mü 13	
	136	Mü 17	
	136	Helios	
Chapter 12:	140	More experiments	
	140	FVA - 10, Rheinland	
	143	The Hortens	
	147	D - 30 Cirrus	
Chapter 13:	150	Australia	
	150	Golden Eagle	
Chapter 14:	152	Austria	
	152	Austria 2 & 3	
	154	Musger MG - 9	
	156	The Hütters	
Chapter 15:	160	Britain	
	160	Airspeed Tern	
	162	The Scuds	
	162	Carden Baynes Auxiliary, Scud 3	
	165	The Wrens	
	168	Slingsby T - 4 Falcon III	
	168	Hjordis	
	171	Slingsby T - 6 Kirby Kite	
	173	Slingsby T - 7 Kadet	
	176	Slingsby T - 8 Tutor	
	176	King Kite	
	176	Slingsby T - 12 Kirby Gull	
	178	Slingsby T - 13 Petrel	
	182	Cambridge	
	182	Scott Viking	
Chapter 16:	184	Czechoslovakia	
	184	Tulak 37	
	186	VSB 35	
Chapter 17:	187	France	
	187	Avia 41P	
	191	Avia 40P	
	191	S.O.P. 1	
Chapter 18:	192	Hungary	
	192	Karakan	
	194	Nemere	
	196	M - 22	
Chapter 19:	198	Italy	
	198	AL - 3	
	198	CVV - 4 Pellicano	
	202	CVV - 6 Canguro	
Chapter 20:	203	Japan	
	203	Maeda 703	
Chapter 21:	206	Poland	
	206	Salamandra	
	206	Komar	
	209	SG - 21 Lwow and SG - 38	
	209	Czerwinski CW - 5	
	213	Orlik	
	213	PWS 101	
	215	PWS 102	
Chapter 22:	218	Switzerland	
	218	Spalinger 15	
	218	Spalinger 18	
	218	Spyr 3	
	221	Spyr 4	
	224	Moswey	
Chapter 23:	226	USA	
	226	Franklin PS - 2	
	227	Bowlus Albatross	
	229	Baby Albatross	
	231	Super Albatross	
	233	Laister Yankee Doodle	
	233	LK - 10A (TG - 4)	
	236	Ross - Stephens RS - 1 Zanoia	
	237	Schweizer SGU 1 - 6 Boom Tail	
	239	Schweizer SGU 1 - 7	
	244	Schweizer SGS 2 - 8 (TG - 2)	
	244	Schweizer SGS 2 - 12 (TG - 3)	
	244	Pratt Read G - 1 (LNE - 1 or TG - 32)	
Chapter 24:	246	USSR	
	246	Antonov PS - 2	
	246	Groshev GN - 7	
	246	Stakhanovetz	
	246	Rot Front 7	
Appendices:	251	About the drawings	
	251	Colours and markings	
	252	Acknowledgements	
	252	About the author	
	253	Bibliography	
	254	Index	