

Contents

Introduction	1
--------------	---

Part I The Young Naturalist in Germany

1 Childhood and Youth	8
The Family	8
Birdwatching	15
The Duck with a Red Bill	22
University Student in Greifswald and Berlin	23
Friendships at School and University	33
2 The Budding Scientist	35
PhD Thesis and Examination	35
The Influence of Teachers	37
Erwin Stresemann—Teacher and Friend	39
Assistant Curator at the Museum of Natural History in Berlin	42
Expeditions to New Guinea and the Solomon Islands.....	48

Part II Ornithologist and Evolutionist in New York

3 The New York Years (1931–1953)	95
Emigration to the United States and Life in New York City.....	95
Curator of Ornithology at the American Museum of Natural History	113
4 Ornithologist and Zoogeographer	140
Birds of Oceania.....	140
Birds of Australia, the Malay Archipelago and Southeastern Asia.....	157
Descriptions of New Species and Subspecies of Birds	161
Zoogeography	163
5 Biological Species and Speciation—Mayr’s First Synthesis	183
A Modern Unified Theory of Evolution.....	183
Community Architect	232

6 Life in North America during World War II	242
New York and Tenaflly, New Jersey	242
Cold Spring Harbor (1943–1952)	243
Citizenship	250

Part III Professor of Zoology at Harvard University

7 The Harvard Years (1953–2005)	255
Teaching and PhD Students	259
Director of the Museum of Comparative Zoology	263
8 Evolutionary Biology—Mayr’s Second Synthesis	266
Overviews of Evolutionary Biology	266
Integrated Gene Complexes versus Beanbag Genetics	273
<i>Animal Species and Evolution</i>	275
Behavior and Evolution	277
Particular Topics of Evolutionary Biology	278
9 Ernst Mayr—the Man	283
Personality and General Views	283
Health	301
The Farm near Wilton, New Hampshire	306
Residence in Cambridge, Massachusetts	310
Adviser to the National Academy of Sciences and the NSF	311
National and International Recognition	313
10 Systematics and Classification	320
Diversity	320
Classification	321
Zoological Nomenclature	332
11 History and Philosophy of Biology—Mayr’s Third Synthesis	338
History of Biology	340
Philosophy of Biology	360
12 Summary: Appreciation of Ernst Mayr’s Science	375
Acknowledgments	382
List of Abbreviations	384
References	385

Part IV Appendices

1 Curriculum Vitae (Including Honorary Degrees, Honorary Memberships, Medals, and other Special Awards)	401
2 Bibliography of Ernst Mayr	406
List of Books by Ernst Mayr	454
Coauthorship.....	455
3 Subject Analysis of Ernst Mayr's Publications	456
4 A Chronological List of Published Interviews	459
5 A Chronological List of Appreciations and Festschriften	461
6 List of Obituaries	467
Index	469

Ornithology, Evolution, and Philosophy
The Life and Science of Ernst Mayr 1904-2005
Haffer, J.
2007, X, 474 p. 71 illus., Softcover
ISBN: 978-3-540-71778-2