

Cambridge University Press

978-1-107-11764-8 - The Future of Phylogenetic Systematics: The Legacy of Willi Hennig

Edited by David Williams, Michael Schmitt and Quentin Wheeler

Table of Contents

[More information](#)

vii

Contents

List of contributors	page ix
Foreword	xi
NORMAN I. PLATNICK	
Introduction	1
DAVID WILLIAMS, MICHAEL SCHMITT and QUENTIN WHEELER	
1. Mission impossible: the childhood and youth of Willi Hennig	10
WILLI E.R. XYLANDER	
2. Willi Hennig: a shy man behind a scientific revolution	21
MICHAEL SCHMITT	
3. Willi Hennig's legacy in the Nordic countries	31
OLE SEBERG, TORBJØRN EKREM, JAAKKO HYVÖNEN and PER SUNDBERG	
4. Hennigian systematics in France, a historical approach with glimpses of sociology	70
PASCAL TASSY	
5. Are we all cladists?	88
ANDREW V.Z. BROWER	
6. How much of Hennig is in present day cladistics?	115
MICHAEL SCHMITT	
7. The evolution of Willi Hennig's phylogenetic considerations	128
RAINER WILLMANN	
8. What we all learned from Hennig	200
GARETH NELSON	
9. Semaphoronts: the elements of biological systematics	213
LEANDRO C.S. ASSIS	
10. Why should cladograms be dichotomous?	230
RENÉ ZARAGÜETA BAGILS and SOPHIE PÉCAUD	
11. Hennig's auxiliary principle and reciprocal illumination revisited	258
RANDALL D. MOOI and ANTHONY C. GILL	
12. Dispersalism and neodispersalism	286
MALTE C. EBACH and DAVID M. WILLIAMS	

Cambridge University Press

978-1-107-11764-8 - The Future of Phylogenetic Systematics: The Legacy of Willi Hennig

Edited by David Williams, Michael Schmitt and Quentin Wheeler

Table of Contents

[More information](#)

viii CONTENTS

13. Molecular data in systematics: a promise fulfilled, a future beckoning	329
WARD C. WHEELER and GONZALO GIRIBET	
14. Hennig, Løvtrup, evolution and biology	344
ROBIN BRUCE	
15. Willi Hennig as philosopher	356
OLIVIER RIEPPEL	
16. Hennig and hierarchies	377
CHARISSA S. VARMA	
17. Chain, tree, and network: the development of phylogenetic systematics in the context of genealogical visualization and information graphics	410
NOBUHIRO MINAKA	
18. The relational view of phylogenetic hypotheses and what it tells us on the phylogeny/classification relation problem	431
STÉPHANE PRIN	
19. This struggle for survival: systematic biology and institutional leadership	469
QUENTIN WHEELER	
Index	479