

CONTENTS

Preface	<i>page</i> ix
Acknowledgments	xi
1 COUNTING SYNAPSES	1
2 DISCOVERING SYNAPTIC PRUNING	5
3 ELSE, PETER'S MOTHER	13
4 RICHARD, PETER'S FATHER, AND PETER'S UNCLE FRITZ	24
5 GREIZ: KRIEGSKINDER (CHILDREN OF WAR)	28
6 IN BRAUBACH, AFTER THE WAR	37
7 ARRIVAL IN AMERICA	46
8 HARVARD MEDICAL SCHOOL	52
9 UNDERSTANDING SLEEP AND CONSCIOUSNESS: RESEARCH AT THE NATIONAL INSTITUTES OF HEALTH	57
10 ENTERING THE COGNITIVE REVOLUTION: NEUROSCIENCE AND COGNITIVE PSYCHOLOGY	64
11 PHYSICIAN FIRST, SCIENTIST SECOND?	69
12 COMPARATIVE BRAIN REGIONS AND SYNAPSE FORMATION	77
13 STIMULATING PROGRESS ON DEVELOPMENTAL BRAIN DISORDERS	88

viii	<i>Contents</i>
14	NEURODEVELOPMENTAL DISORDERS AND SCHIZOPHRENIA: A ROLE FOR SYNAPTIC PRUNING? 92
15	EARLY CHILDHOOD EDUCATION 100
16	PETER AND JANELLEN'S COLLABORATION 104
17	MICROGLIAL CELLS AND THE MECHANISMS OF SYNAPTIC PRUNING 109
18	LOOKING FORWARD: BEING A PHYSICIAN AND A SCIENTIST 116
19	PARKINSON'S DISEASE AND BERLIN 121
20	AUF DEUTSCH: BACK TO GERMAN 126
21	MEMORIES AND REFLECTIONS AT THE END: A RETURN TRIP TO GREIZ 129
Glossary	135
Index	140