

Contents

Portrait by Richard Feynman	ii
List of contributors	vii
A Memorial to P. A. M. Dirac	ix
<i>Behram N. Kursunoglu</i>	
Preface	xv
<i>Behram N. Kursunoglu and Eugene P. Wigner</i>	
Chronology	xvii

1 HUMAN SIDE

1 Thinking of My Darling Paul	3
<i>Margit Dirac</i>	
2 Dirac in Coral Gables	9
<i>Sevda A. Kursunoglu</i>	
3 Recollections of Paul Dirac at Florida State University	29
<i>Joseph E. Lannutti</i>	
4 My association with Professor Dirac	34
<i>Harish-Chandra</i>	
5 What Paul Dirac meant in my life	37
<i>N. Kemmer</i>	
6 Dirac's way	43
<i>Rudolf Peierls</i>	
7 An experimenter's view of P. A. M. Dirac	46
<i>A. D. Krisch</i>	
8 Dirac at the University of Miami	53
<i>Henry King Stanford</i>	
9 Remembering Paul Dirac	57
<i>Eugene P. Wigner</i>	

Contents

2 MORE SCIENTIFIC IDEAS

10	Another side to Paul Dirac	69
	<i>R. H. Dalitz</i>	
11	Playing with equations, the Dirac way	93
	<i>A. Pais</i>	
12	Paul Dirac and Werner Heisenberg – a partnership in science	117
	<i>Laurie M. Brown and Helmut Rechenberg</i>	
13	Dirac's magnetic monopole and the fine structure constant	163
	<i>William J. Marciano and Maurice Goldhaber</i>	
14	Magnetic monopoles and the halos of galaxies	174
	<i>F. Hoyle</i>	
15	The inadequacies of quantum field theory	194
	<i>P. A. M. Dirac</i>	
16	Dirac and the foundation of quantum mechanics	199
	<i>P. T. Matthews</i>	

3 INFLUENCED AND INSPIRED BY ASSOCIATION

17	At the feet of Dirac	228
	<i>J. C. Polkinghorne</i>	
18	Reminiscences of Paul Dirac	231
	<i>Nevill Mott</i>	
19	From relativistic quantum theory to the human brain	235
	<i>Harry J. Lipkin</i>	
20	Dirac in 1962, weak and gravitational radiation interactions	245
	<i>J. Weber</i>	
21	Schrödinger's cat	250
	<i>Willis E. Lamb, Jr.</i>	
22	Dirac and finite field theories	263
	<i>Abdus Salam</i>	
23	Dirac's influence on unified field theory	277
	<i>Behram N. Kursunoglu</i>	
	Index	292

