

Contents

<i>Foreword by the Editors</i>	vii
I Gauge Field Theory and Particle Physics	1
1. Noncovariant Gauges at Zero and Nonzero Temperature <i>P. V. Landshoff</i>	3
2. Non-Relativistic Bound States: The Long Way Back from the Bethe–Salpeter to the Schrödinger Equation <i>A. Vairo</i>	9
3. Distended/Diminished Topologically Massive Electrodynamics <i>S. Deser</i>	25
4. Dynamical Spin <i>P. G. O. Freund</i>	33
5. Quantum Corrections to Solitons and BPS Saturation <i>A. Rebhan, P. van Nieuwenhuizen and R. Wimmer</i>	41
6. Gauging Noncommutative Theories <i>H. Grosse and M. Wohlgenannt</i>	75
7. Topological Phases and Contextuality Effects in Neutron Quantum Optics <i>H. Rauch</i>	91

8.	First Class Constrained Systems and Twisting of Courant Algebroids by a Closed 4-Form	115
	<i>M. Hansen and T. Strobl</i>	
9.	Some Local and Global Aspects of the Gauge Fixing in Yang-Mills-Theories	145
	<i>D. N. Blaschke, F. Delduc, F. Gieres, M. Schweda and S. P. Sorella</i>	
10.	Frozen Ghosts in Thermal Gauge Field Theory	175
	<i>P. V. Landshoff and A. Rebhan</i>	
II	Classical and Quantum Gravity	181
11.	Wolfgang Kummer and the Vienna School of Dilaton (Super-)Gravity	183
	<i>L. Bergamin and R. Meyer</i>	
12.	Order and Chaos in Two Dimensional Gravity	215
	<i>R. B. Mann</i>	
13.	2-D Midisuperspace Models for Quantum Black Holes	231
	<i>J. Gegenberg and G. Kunstatter</i>	
14.	Global Solutions in Gravity. Euclidean Signature	249
	<i>M. O. Katanaev</i>	
15.	Thoughts on the Cosmological Principle	267
	<i>D. J. Schwarz</i>	
16.	When Time Emerges	277
	<i>C. Faustmann, H. Neufeld and W. Thirring</i>	

17. Towards Noncommutative Gravity <i>D. V. Vassilevich</i>	293
18. Superembedding Approach to Superstring in $AdS_5 \times S^5$ Superspace <i>I. A. Bandos</i>	303
19. Heterotic (0,2) Gepner Models and Related Geometries <i>M. Kreuzer</i>	335
20. Canonical Analysis of Cosmological Topologically Massive Gravity at the Chiral Point <i>D. Grumiller, R. Jackiw and N. Johansson</i>	363
III Wolfgang Kummer and the Physics Community	375
21. Wolfgang Kummer at CERN <i>H. Schopper</i>	377
22. Wolfgang Kummer and the Little Lost Lane Boy <i>K. Lane</i>	381
23. Mitigation of Fossil Fuel Consumption and Global Warming by Thermal Solar Electric Power Production in the World's Deserts <i>J. Steinberger</i>	387
24. (My) Life with Wolfgang Kummer <i>M. Schweda</i>	399
25. Schubert in Stony Brook and Kinks in Vienna <i>P. van Nieuwenhuizen</i>	403
<i>Author Index</i>	407