

# Contents

<i>SCIENTIFIC COMMITTEE AND CONTRIBUTORS</i>	<i>iii</i>
<i>CONTENTS OF VOLUME II</i>	<i>xi</i>
<i>Introduction</i> <b>Antonio Carrelli</b>	<i>1</i>
<i>1 Search for Gravitational Waves</i> <b>E. Amaldi and G. Pizzella</b>	<i>9</i>
<i>2 The Space–Time Concept in General Relativity</i> <b>Peter G. Bergmann</b>	<i>141</i>
<i>3 The Experimental Foundations of Gravitation</i> <b>Bruno Bertotti</b>	<i>157</i>
<i>4 Is “General Relativity” Necessary for Einstein’s Theory of Gravitation?</i> <b>Sir Hermann Bondi</b>	<i>179</i>

- 5 *Introduction of the Chronon in the Relativistic Theory of the Electron* 187  
**P. Caldirola**
- 6 *Wave–Corpuscle Dualism in the Work of Albert Einstein* 225  
**Louis V. de Broglie**
- 7 *Einstein and Several Contemporary Tendencies in the Theory of Elementary Particles* 247  
**L. Faddeev**
- 8 *Inertia Here Is Fixed by Mass-Energy There in Every  $W$  Model Universe* 267  
**James Isenberg and John Archibald Wheeler**
- 9 *Perennial Modernity of Einstein’s Theory of Gravitation* 295  
**D. Ivanenko**
- 10 *Einstein and Gravitation* 355  
**Pascual Jordan**
- 11 *Albert Einstein and the Photon Concept* 379  
**Alfred Kastler**