ACKNOWLEDGEMENTS

The author feels great pleasure in expressing his sincere gratitude to Professor D. N. Kundu, Director, Saha Institute of Nuclear Physics, for his guidance, critical comments and valuable suggestions. He is grateful to Prof. S. K. Mukherjee, Head, E.S.G. Division for introduction to the subject and for providing excellent working facilities. It is a great pleasure to thank Prof. J. M. D'Auria, Simon Fraser University, Canada and Dr. K. P. Gopinathan, T.I.F.R., Bombay, and their respective groups for extending the facilities in their departments for doing some parts of the work.

The author is deeply indebted to Dr. S. C. Gujrathi and Mr. K. S. N. Murty for their continuous help and collaboration, and to Dr. A. K. Sengupta for his stimulating discussions and valuable suggestions. He is thankful to Professors P. Mukherjee, A. P. Patro, R. L. Bhattacharyya, Drs. N. K. Majumdar, M. L. Chatterjee, P. Sen and B. Sethi, and Messrs. N. C. Das, D. Basu, S. Sen, K. V. Chalapati Rao, G. Ramakrishna, H. Singh, B. Das Mahapatra and V. K. Tikku for their whole-hearted cooperation during the work. He is also thankful to Dr. S. C. Mukherjee and Mr. M. K. Sengupta for their help in assembling electronic circuits and Messrs. S. B. Banerjee, S. B. Dutta, S. S. Brahmachari, A. K. Kundu, B. Pramanick and P. Das for their help in various ways.
He thanks Mr. S. Manna for patiently typing the manuscript, Messrs. S. B. Chakraborty and A. Saha for tracing the diagrams and Mr. B. Pramanick for preparing the photostat copies.

Saha Institute of Nuclear Physics
Calcutta.


(Bhawani Prasad Pathak)
(Bhawani Prasad Pathak)