USING TRANSISTORS

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BY

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FOREWORD

Ten years after the announcement of its discovery, the transistor has ensured for itself an extremely important place in electronic techniques. This is due, to no small extent, to its special characteristics, which in many cases make the use of the transistor preferable to that of the thermionic valve. There are even applications in which the transistor has already completely or partially displaced the thermionic valve, in portable radio receivers, computers and satellites for example. The result is that a continually increasing number of technicians are being confronted with the transistor, either directly or indirectly.

The principal object of this book is thus to introduce technicians and students to the transistor, its specific characteristics and the present state of circuit techniques. With this object in view, the material is approached from the practical angle, so that the reader will find a number of hints on the construction and repair of transistor circuits, but no detailed mathematical treatment.

I should like to express my gratitude to Mr. P. J. Arthern for his English translation.

D. J. W. SJOBBEMA

November 1959.

FOREWORD TO THE THIRD EDITION

In the light of the rapid development of transistor techniques, I have not only revised the examples of chapter IX but also included an appendix giving a survey of certain other much used electronic components and a sketch of the manufacturing techniques in use at present.

D. J. W. SJOBBEMA

September 1964.

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