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RADIOTRON DESIGNER'S HANDBOOK

Edited By
F. LANGFORD-SMITH
B.Sc., B.E. (1st class honours)
Senior Member I.R.E. (U.S.A.)
A.M.I.E. (Aust.)

FOURTH EDITION

Published by the Wireless Press
for
AMALGAMATED WIRELESS VALVE COMPANY PTY. LTD.
47 YORK STREET, SYDNEY, AUSTRALIA
1953

Reproduced and Distributed
by
Tube Division
RADIO CORPORATION OF AMERICA
HARRISON, N. J.

621.384136
L264

First Edition 1934
Second Edition 1935
Third Edition 1940
Fourth Edition 1952

TK
6563
.L34
1956

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Commercial Engineering
Tube Division
RADIO CORPORATION OF AMERICA
Harrison, New Jersey

August, 1956

327243

PREFACE

This book has been written as a comprehensive, self-explanatory reference handbook for the benefit of all who have an interest in the design and application of radio receivers or audio amplifiers. Everything outside this field—television, radio transmission, radar, industrial electronics, test equipment and so on—has been excluded to limit the book to a reasonable size.

An effort has been made to produce a handbook which, in its own sphere, is as self-contained as possible. Extensive references to other sources of information have been included for the reader who might require additional detail.

The success of the previous edition, of which over 280,000 copies have been sold throughout the world, encouraged Amalgamated Wireless Valve Company Pty. Ltd., to undertake the compilation of the present up-to-date edition which is more complete, great pains having been taken to fill in many of the gaps in the data published hitherto. This has involved a considerable amount of both experimental and analytical work by the editor and by engineers assisting in the project. Some original work, previously unpublished, has been included.

Although the various chapters have been written by individual authors, all are truly the result of team work, each having been carefully and critically examined by several other engineers specializing in that particular field. In this way the accuracy of mathematical calculations and of individual statements was checked and re-checked to ensure that the reader would not be misinformed.

I wish to express my grateful thanks to Mr. R. Lambie, Manager, Mr. D. M. Sutherland, Works Manager, and to the following collaborating engineers—

J. E. Bailey, Dr. W. G. Baker, D. Barnett, J. D. G. Barrett, Dr. G. Builder, N. V. C. Cansick, W. N. Christiansen, Dr. E. R. Dalziel, K. G. Dean, H. L. Downing, J. Gilchrist, I. C Hansen, R. Herbert, F. Holloway, I. Hood, D. G. Lindsay, W. S. McGuire, E. J. Packer, J. Pritchard, R. J. Rawlings, B. Sandel, J. Stacey, R. D. Stewart, J. E. Telfer, R. Vine, E. Watkinson.

I also wish to express my thanks to Mr. R. Ainsworth for his invaluable work in sub-editing and assistance in indexing and to Mr. R. H. Aston for compiling data.

F. LANGFORD-SMITH

Amalgamated Wireless Valve Company Pty. Ltd.

NOTES

References to valve types are to the prototype (*e.g.* 6J7) *and include all equivalent types* (*e.g.* 6J7-G, 6J7-GT *etc.*) *unless otherwise indicated.*

If any errors are noted, please write to the Editor, Radiotron Designer's Handbook, Amalgamated Wireless Valve Co. Pty. Ltd., 47 York Street, Sydney, Australia.

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ACKNOWLEDGEMENTS

The editor wishes to acknowledge his indebtedness to the publishers of the following periodicals for permission to reproduce the diagrams listed below. In some cases the diagrams are based largely on the originals, although modified.

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Audio Engineering **13.** 50D, 50E. **14.** 1A, B, C, D, E, F, G, H. **15.** 15, 16, 57A, 57B, 60. **16.** 15. **17.** 7, 8, 15A, 15B, 15C, 18, 19A, 19B, 19C, 20, 22, 24B, 24C, 27A, 27B, 27C, 31, 37A. **19.** 6A. **20.** 10, 13, 14.

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Other acknowledgements are given in the titles.

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Note:—References in the text to R.M.A. Standards should be taken as having been issued by RTMA.

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PART 7: SUNDRY DATA

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