

RADIO, TELEVISION, INDUSTRIAL TUBE, DIODE and TRANSISTOR EQUIVALENTS MANUAL

By B. B. BABANI

**MORE THAN
20,000 TYPES
INCLUDED**

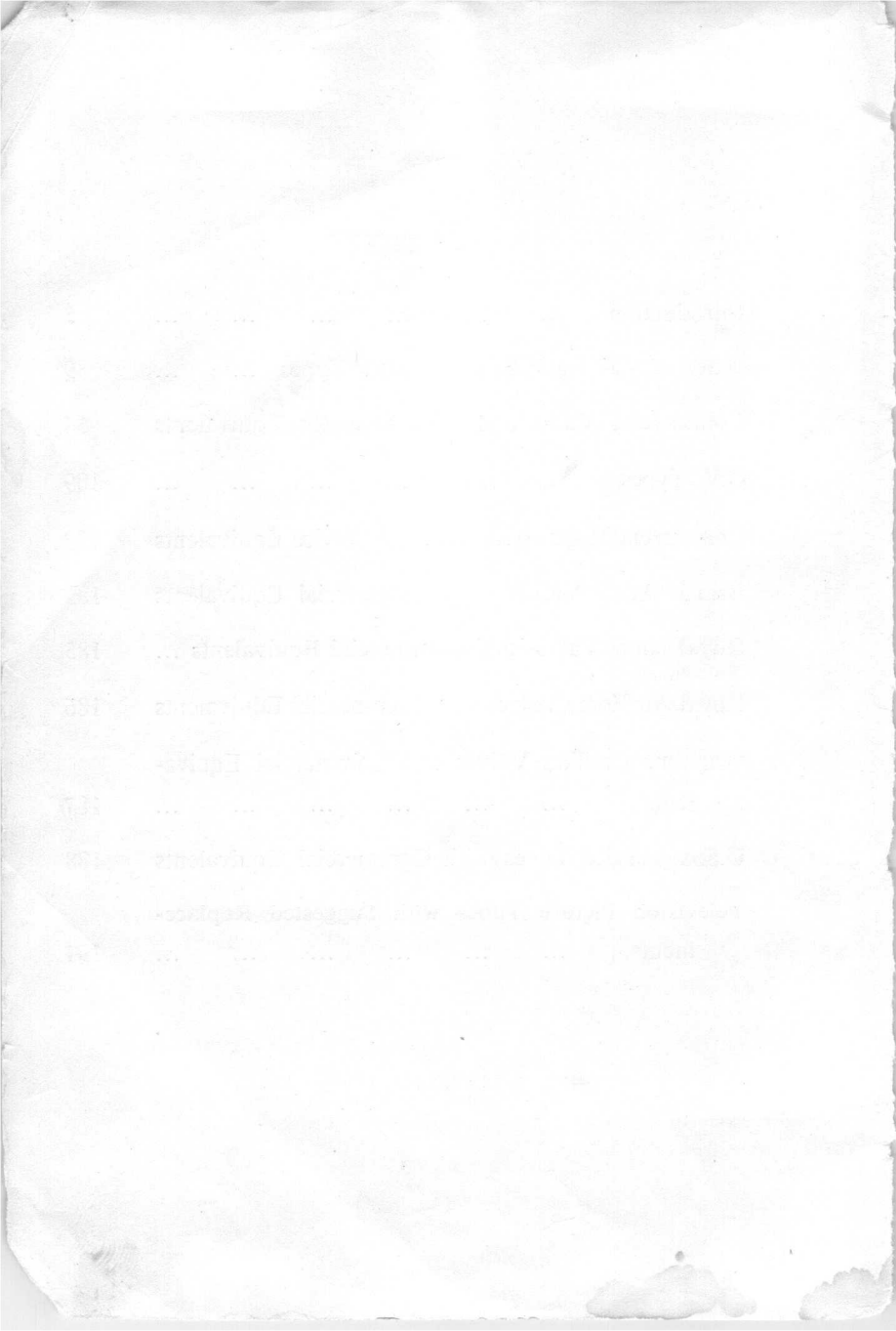
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INTRODUCTION

Due to the introduction of many hundreds of new types of receiving valves during the last two years, it has been decided to adopt in this latest edition an entirely new method of presentation, otherwise the book would become unwieldy in use. At the same time, because of many requests we have included in addition all industrial and transmitting valves with their equivalents and all diodes and transistors with their equivalents, therefore there are some 8,000 more types included in this book than in any other previous book either published by ourselves or any other publisher.

To use the table of commercial equivalents, find the valve or semi-conductor to be replaced in the index. Against the type there is shown a number denoting the section in the equivalents portion of the book in which this type appears; every other type in this section is a directly interchangeable equivalent.

When replacing a valve in the high frequency stages of a receiver it should be remembered that re-alignment is desirable to ensure peak performance.

Attention is drawn to the industrial types quoted in the Equivalent Tables. These have been developed to meet the stringent demands of modern industry where reliability is of the utmost importance, electrically they have standard equivalents. An example is type 6058, for normal working this may be replaced with a 6AL5 or an EB91, but if the equipment is intended for continuous working conditions an industrial long life type should be selected.

Certain valves are suitable for use with either parallel or series heater circuits, that is AC or AC/DC equipment. Equivalents of a given valve are not necessarily suitable for both applications. An example is the 0M10. Types 6K8, X147, 6C31, ECH35, X61M, 6E8, and 6TH8 are equivalents when used with parallel heater circuits because they all have 6.3 volt heaters. Equivalent types ECH3G and ECH33 have the same heater voltage and current rating as the 0M10 (6.3v. 0.2A) and are equally suitable for series or parallel circuits. The CCH35 has a heater rating of 7.0v. 0.2A and is intended for series circuits only.

In view of the fact that many of the early Octal based valves are now becoming obsolete, and in many cases rather rare equivalents have been shown which are not necessarily identical electrical equivalents, it has been felt that this was necessary so as to enable