AN APPROACH
TO
AUDIO FREQUENCY AMPLIFIER
DESIGN

A Publication of
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This book has been prepared under the auspices of the G.E.C. Valve and Electronics Department with the aim of presenting, in a readily accessible form, the essential details and circuit diagrams of a comprehensive range of audio-frequency amplifiers. All the designs reflect various aspects of modern technique and have been built and tested. In this field, the experience and accumulated knowledge of the G.E.C., dating back to the earliest days of radio communication and large power valve design, are unique.

Altogether seventeen amplifiers are described, ranging from a "junior" 5-watt ultra-linear circuit to an 1000-watt Class A2B amplifier. In addition, various pre-amplifier units are discussed so that the information in the following chapters deals with all the equipment necessary between the signal source and the loudspeaker in most domestic, public address and industrial sound installations.

Since the book is essentially a work of reference it contains no constructional information—neither does it claim to be a text book, although as an exposition of modern design practice, it will be of considerable value in this respect.

As Approach to Audio Frequency Amplifier Design is the culmination of considerable design and development work on a.f. amplifiers carried out by W. J. Heath, B.Sc. (Eng.) and D. M. Leakey, B.Sc. (Eng.) in the Research Laboratories of the General Electric Co. Ltd. and by G. R. Woodville in the Applications Laboratory of the M.O. Valve Co. Ltd., a subsidiary of the G.E.C.

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CONTENTS

Page

PREFACE ........................................ vii

CHAPTER 1
THE DESIGN OF AN AUDIO FREQUENCY AMPLIFIER .......... 1
The Output Stage .................................. 1
Major Design Features ............................. 1
The Output Stage of a Domestic Amplifier .............. 2
The Output Stage of a Public Address Amplifier ........ 4
Output Stages for d.c.-a.c. Amplifiers .................. 7
Matching of Valves in Triode and Ultra-Linear Circuits ... 7
Recommended Precautions in Output Stage Design ........ 9
THE INPUT STAGE ................................ 11
Design Requirements ............................... 11
THE INTEGREATIVE STAGE .......................... 12
Some Typical Intermediate Stage Circuits ............... 12
THE POWER SUPPLY ............................... 16
Power Supply Categories ............................ 16

CHAPTER 2
A 5-WATT JUNIOR AMPLEIRED ....................... 20

CHAPTER 3
AMPLIFIERS OF 12 TO 14 WATTS ..................... 25
A 14W Ultra-Linear Amplifier ....................... 25
A 14W d.c.-a.c. Amplifier .......................... 33

CHAPTER 4
AMPLIFIERS OF 15 TO 30 WATTS ..................... 37
KT66 Triode Amplifier ................................ 37
Two 30W Ultra-Linear Amplifiers .................... 40
A 25W d.c.-a.c. Amplifier .......................... 44

CHAPTER 5
AMPLIFIERS OF 50 TO 100 WATTS ................... 51
Comparison of KT66 and KT88 ....................... 51
KT88 50W Ultra-Linear Amplifier .................... 53
KT88 50W Fixed Bias Ultra-Linear Amplifier .......... 56
KT88 100W Fixed Bias Ultra-Linear Amplifier .......... 60
CONTENTS

CHAPTER 6
CLASS B AMPLIFIERS OF 175 TO 300 WATTS
DA42 175W Amplifier ............................................. 65
DA42 200W Amplifier ............................................. 65

CHAPTER 7
CLASS AB AMPLIFIERS OF 100 TO 300 WATTS
DA100 115-175W Class AB1 Amplifier ....................... 77
DA100 200-270W Class AB2 Amplifier ....................... 82

CHAPTER 8
CLASS AB AMPLIFIERS OF 300 TO 1100 WATTS
V1805 300-450W Class AB1 Amplifier ....................... 86
V1805 600-1100W Class AB2 Amplifier ....................... 92
Quiescent Current in AB1 and AB2 .......................... 96
Protection Against Bias Failure .............................. 96

CHAPTER 9
PRE-AMPLIFIERS AND TONE CONTROL
The Purpose of a Pre-Amplifier ................................ 97
Pre-Amplifier Circuit No. 1 ..................................... 100
Pre-Amplifier Circuit No. 2 ..................................... 102

APPENDIX A
MULTIPLE-PAIR PUSH-PULL AMPLIFIERS ..................... 112

APPENDIX B
OUTPUT TRANSFORMERS AND STABILISATION ................ 119

APPENDIX C
VALUE RATINGS AND CHARACTERISTICS ................... 122

APPENDIX D
ABBREVIATIONS .................................................. 126