

**CONTENTS - Fundamentals of Radio-Valve Technique by J. Deketh - code 3008**

<b>title</b>	<b>page No.</b>
Basic principles of the action of a radio valve	3
Physical conception of electrons and electric currents	7
Electron emission	21
Secondary emission	36
The principal compnoents of a radio valve	41
The construction of radio valves	51
The manufacture of radio valves	72
The function of radio valves	100
Coventional method of representing valve electrodes in circuit diagrams	116
Classification and function of radio valves	117
Properties of the valves	123
Action of the various grids	145
Valve capacities	162
Consequences of curvature of the characteristic	177
Representation of the transfeer characteristic by exponential series and its application	193
Final or Power amplification	205
Rectification of the RF or IF signal	235
Mains voltage rectifiers	255
Generation of oscillations	266
Frequency conversion	281
Automatic volume control	322
Noise of amplifying valves	341
Short-wave properties of amplifying valves	352
Tuning indicators	367
Negative feedback	377
Hum arising from the mains	408
Microphonic effect	420
Phenomena occurring during the life of a valve	431
Possible disturbances due to secondary emission from insulating parts in the wave	439
Feeding of the valves	445
The sensitivity of a receiver or an amplifier	468
APPENDIX	471