

ELECTRON TUBES

Volume II

(1942-1948)

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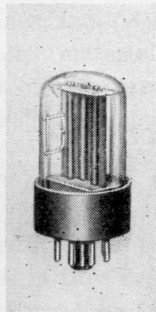
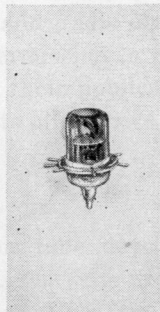
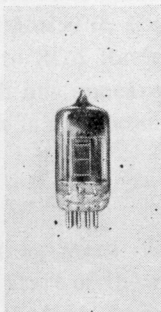
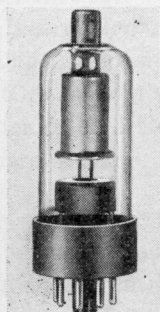
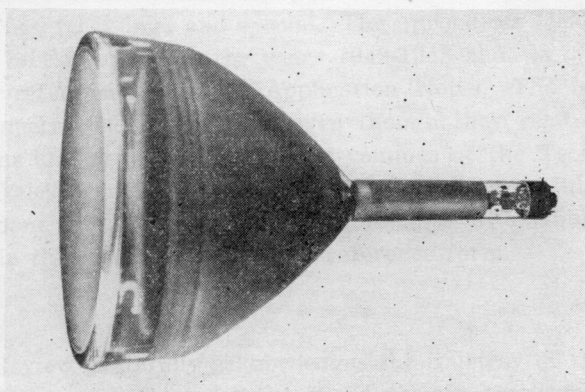
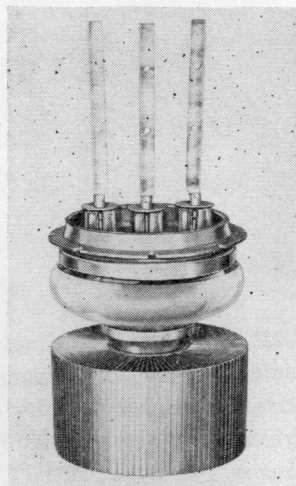
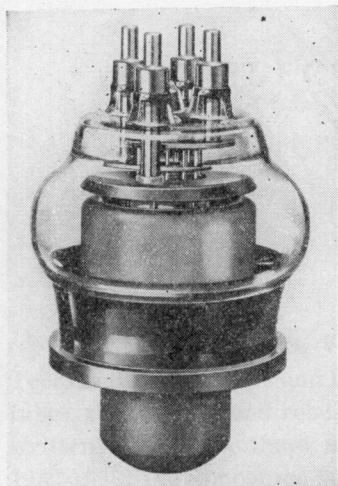
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ELECTRON TUBES OF TODAY

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PREFACE

ELECTRON TUBES, Volume II, is the tenth volume in the **RCA Technical Book Series** and the second on the general subject of vacuum tubes, thermionics and related subjects. This volume contains material written by RCA authors and originally published during the years 1942-1948; the companion book, ELECTRON TUBES, Volume I, covers the period 1935-1941.

The papers in this volume are presented in four sections: general; transmitting; receiving; and special. The appendices include an electron tube bibliography for the years 1942-1948 and, as an additional source of reference, a list of Application Notes. The bibliography lists all papers concerning tubes even though they relate to specific applications and are covered in other volumes of the Technical Book Series on television, facsimile, UHF, and frequency modulation. This has been done to insure that all applicable material on tubes would be available in this volume—at least in reference form.

* * *

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* * *

As outstanding as were electron tube developments from their invention until the start of the recent war, the progress in tube design and application technique during and since the war has been even more remarkable, particularly in power and miniature tubes. Still

newer work has already produced components which lend promise of replacing electron tubes for certain uses, but for the great majority of applications, electron tubes will continue to serve as the framework around which radio-electronic progress will be fashioned.

ELECTRON TUBES, Volume II, like its predecessor is being published, therefore, in the sincere hope that it will serve as a useful reference text and source of basic information to advance radio and electronics in all of its many facets.

The Manager, RCA Review

RCA Laboratories,
Princeton, New Jersey
March 19, 1949

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