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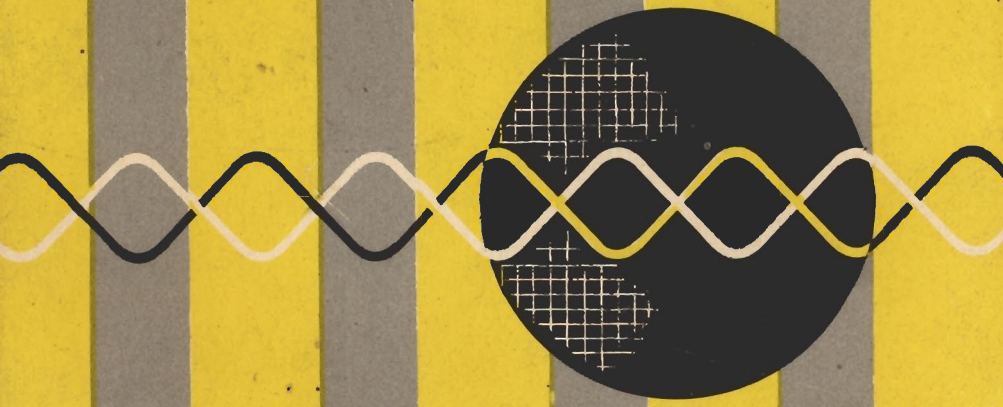

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PREFACE

This book has been prepared for all users of oscilloscopes. The approach is from a technical viewpoint, but the subject matter does not require an engineering background on the part of the reader in order to be understood.

As the title suggests, the reader is first introduced to the principal circuits in an oscilloscope and the function of each. The various accessories available for use with oscilloscopes are then described, along with their special functions. One chapter is devoted to the maintenance and proper adjustment of the oscilloscope, since a defective scope, sitting unused on a shelf and gathering dust, is certainly no asset. The last four chapters in the book describe many of the countless applications of oscilloscopes in the field of electronics.

A few applications have, of necessity, been merely touched upon, but they were introduced with the intention of stimulating the curiosity of the reader and possibly leading him into further investigation. Two examples of this type of coverage are the cyclograms presented in Chapter 3 and the tube characteristic curves in Chapter 12.

Finally, the author wishes to express his indebtedness to members of the engineering and technical staffs of Howard W. Sams & Co., Inc. for their assistance in preparing this book for publication.

Paul C. Smith

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