know your

OSCILLOSCOPE

by PAUL C. SMITH
KNOW YOUR

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HOWARD W. SAMS & CO., INC.
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PREFACE

This book has been prepared for all users of oscil-
oscopes. The approach is from a technical viewpoint, but
the subject matter does not require an engineering back-
ground 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 cer-
tainly 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. Samu & Co., Inc. for their assistance in preparing this
book for publication.

Paul C. Smith
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