PREFACE TO THE 1977 SEMINAR EDITION


This volume contains Parts I and II of that book, updated wherever specific converter products are referred to, in order to reflect the revolution in cost, size and (in some cases) performance brought about by the development of converters in integrated-circuit and hybrid form.

Two entirely new chapters have been added to further reflect changes in the structure of the technological marketplace brought about by the availability of both converters and computers as true components. Chapter II-2 is a consideration of the relationship between processes, configurations, and performance in miniature low-cost converters. Chapter I-4 considers the application of converters with parallel and serial digital interfaces, micro-computers, asynchronous serial data ports, and proprietary integrated data-conversion-subsystem architectures—a natural sequel to the wide-ranging discussion of system considerations in Chapters I-2 and I-3.

As with the earlier volume, it is our hope that this volume will help the purely digital or purely analog designer obtain appropriate practical knowledge of the complementary field and the interface between them, and that it will serve as a useful text and reference source for all designers and users of interface equipment. We will welcome the comments and suggestions of our readers for the benefit of future editions and readers.

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Norwood, Mass.

D.H. Sheingold
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