

# SPECIAL REPORT

NOW—A basic, down-to-earth  
guide to DIGITAL COMPUTERS...

fully explaining their operation and use  
in simple, non-technical language

This easy-to-understand book presents a concise survey of fundamental computer knowledge. It explains what computers are, how they work, and how they are being used today.

Such topics as computer organization...elementary coding...number systems...the control unit and other basic units...instructing the computer...checking results...and other essential subjects are carefully treated.

It defines the meaning of many important words and expressions used  
in the computer field, enabling you to read more advanced treatments  
with understanding and to discuss computers in knowledgeable terms.

Logical presentation—clear illustrations—a valuable general bibliography—an extensive index—these and many other features help make this a first book to read in order to know more about digital computers!

Newly Published

## DIGITAL COMPUTER PRIMER

By E. M. McCormick

Every significant detail of today's automatic digital computer is explained here. The book has been especially designed to give a broad general introduction to the computer field, without delving into the more specialized machines or applications.

You don't have to be a mathematician or electrical engineer to follow the treatment. The author shows that the basic principles of computers are concepts known by almost everyone...he explains what computers are and how they are used by extending the knowledge that you already have.

In expert fashion, this volume tells you:

- How the computer selects instructions to be performed, interprets them, and carries them out;
- How "logic" is used by a computer;
- How the computer operates on and modifies information;
- How problems are solved by a computer;
- How communication takes place;
- and much more!

The book concentrates exclusively on the general-purpose stored-program automatic digital computer of the general EDPM type (or its scientific

(over)

equivalent), inasmuch as the principles of this basic computer will continue to be essential in future years, and may be applied with modifications to more specialized computers.

All necessary concepts and details are described. The book gives clear explanations of—

instruction and	sequencing	multiple registers
number interchange-	access time	logical operations
ability	levels of storage	information transfer
cycling	size of memory	input-output instructions
iterations	magnetic drums	interpretive routines
loops	punched-tape systems	compilers
conditional transfers	address systems	universal code
		...and many other subjects

Computer logic is treated in a simple but meaningful manner, with such topics discussed as programming, flow charts, and the organization of basic logical elements. Applications of logic to game-playing devices and parlor puzzles help to make these ideas easy to understand.

An Appendix on the "Mathematics of Logic" discusses the usefulness of representing logical operations by Boolean algebra, and the basic manipulations possible.

Here, then, is a thoroughly readable coverage of computers that can give a quick over-all understanding of the field and can also be used for later reference on specific points.

SEE THIS BOOK FOR 10 DAYS—FREE!

Simply drop the enclosed Free Examination Card in the mail today and a copy of McCormick's DIGITAL COMPUTER PRIMER will be sent to you at once for a leisurely inspection.

Note for yourself how easy it is to read...how just a quick skimming (Chapter 2, on "The Organization of Computers," for instance) can give a better grasp of the subject.

At the end of ten days, if you wish to keep this practical primer, send us your remittance. Otherwise, simply return the book. There is no further obligation.

Mail the postpaid card now—while you have it handy.

Very truly yours,

*Ralph Holcomb*

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