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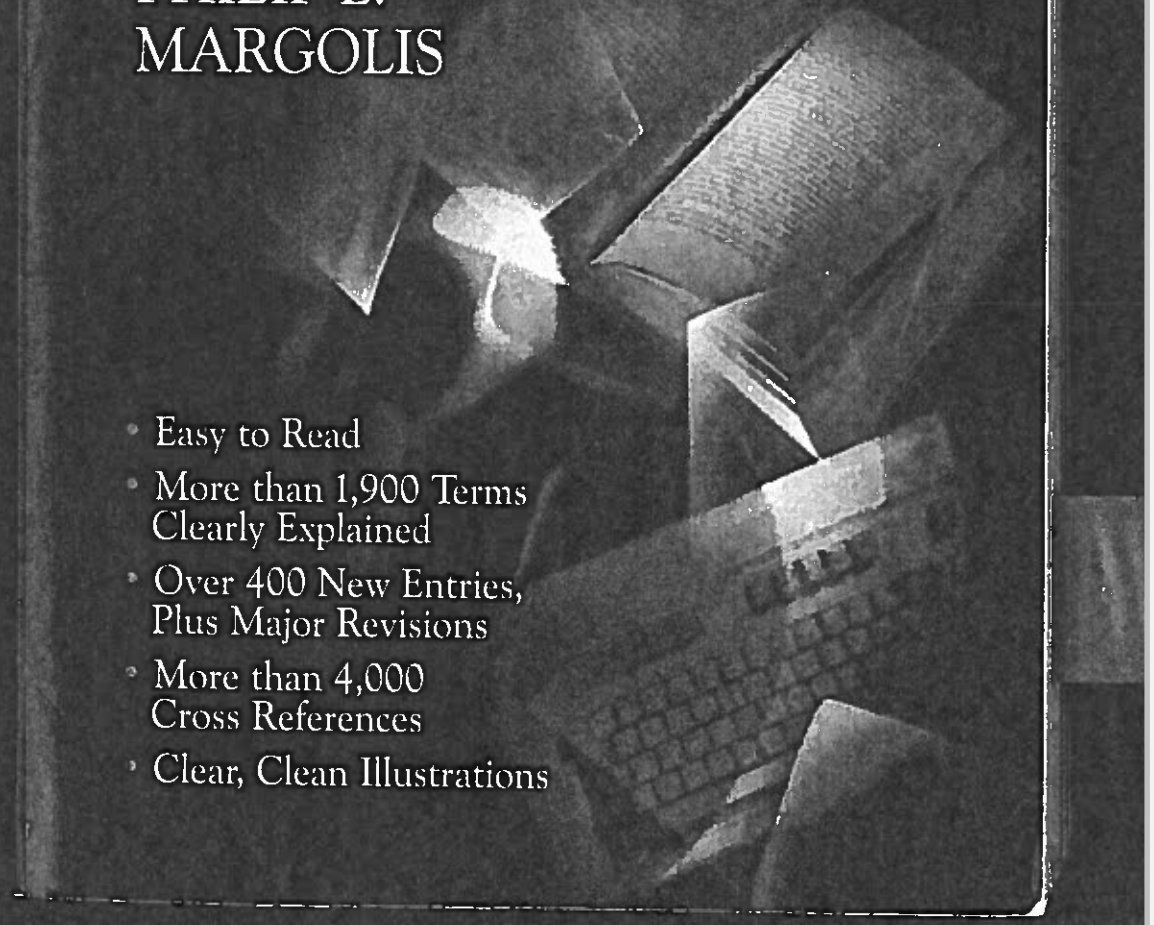

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Published in the United States by Random House, Inc., New York, and simultaneously
in Canada by Random House of Canada, Limited.

The first edition of this book was published by Random House in 1991.

Library of Congress Cataloging-in-Publication Data

Margolis, Philip E.
Random House personal computer dictionary/
Philip E. Margolis.—2nd ed.
p. cm.
ISBN 0—679—76424—0
1. Microcomputers—Dictionaries. I. Title.
QA76.15.M37 1996
004.16'03—dc20
95-45508
CIP

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Book design © REM Studio, Inc.
Illustrations by Jared Schneidman Design Inc.
Desktop publishing by Philip E. Margolis

Typeset and printed in the United States of America
9 8 7 6 5 4 3 2 1

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➨ See also *gigabyte; mass storage; megabyte; sequential access; tape.*

data: (1) Information, usually formatted in a special way. All softwa
divided into two general categories: *data* and *programs*. Programs
collections of instructions for manipulating data.

Data can exist in a variety of forms—as numbers or text on pie
of paper, as bits and bytes stored in electronic memory, or as fact
stored in a person's mind.

Strictly speaking, data is the plural of *datum*, a single piece of i
mation. In practice, however, people use *data* as both the singular
plural form of the word.

➨ See also *program; software.*

(2) The term *data* is often used to distinguish binary machine-re
able information from textual human-readable information. For
example, some applications make a distinction between *data files*
that contain binary data) and *text files* (files that contain ASCII d

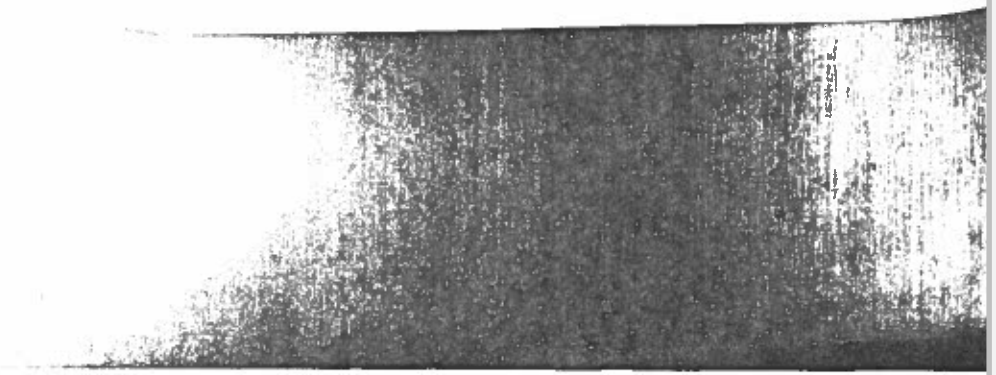
➨ See also *binary; ASCII.*

(3) In database management systems, data files are the files that
the database information, whereas other files, such as index file
data dictionaries, store administrative information.

➨ See also *database management system; data dictionary.*

database: (1) A collection of information organized in such a wa
a computer program can quickly select desired pieces of data.
can think of a database as an electronic filing system.

Traditional databases are organized by *fields*, *records*, and *file*
field is a single piece of information; a record is one complete
fields; and a file is a collection of records. For example, a telep
book is analogous to a file. It contains a list of records, each of
consists of three fields: name, address, and telephone number
ure 21).



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