System 35 Desktop Computer

Read Me First

HEWLETT-PACKARD

Computer Museum

Read Me First

Before you start using your System 35 consult this manual to find a suggested order of reading to best suit your programming background. A list of System 35 documentation is also provided.

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The purpose of **Read Me First** is to explain the System 35 documentation.

Your first question might be: "Where do I start?" Check below for the description that is nearest to your programming background, and turn to the page shown. You will find a suggested manual progression diagram that shows which manuals are best suited to your needs. An explanation of Manual Changes is provided for you on page 6.

COMPUTER SET UP AND TURN ON

You want to know how, see the Owner's Manual.

BEGINNERS

For those with no programming background, see page 2 of this booklet.

ADVANCED PROGRAMMERS

For those with other systems or programming languages, see page 3 of this booklet.

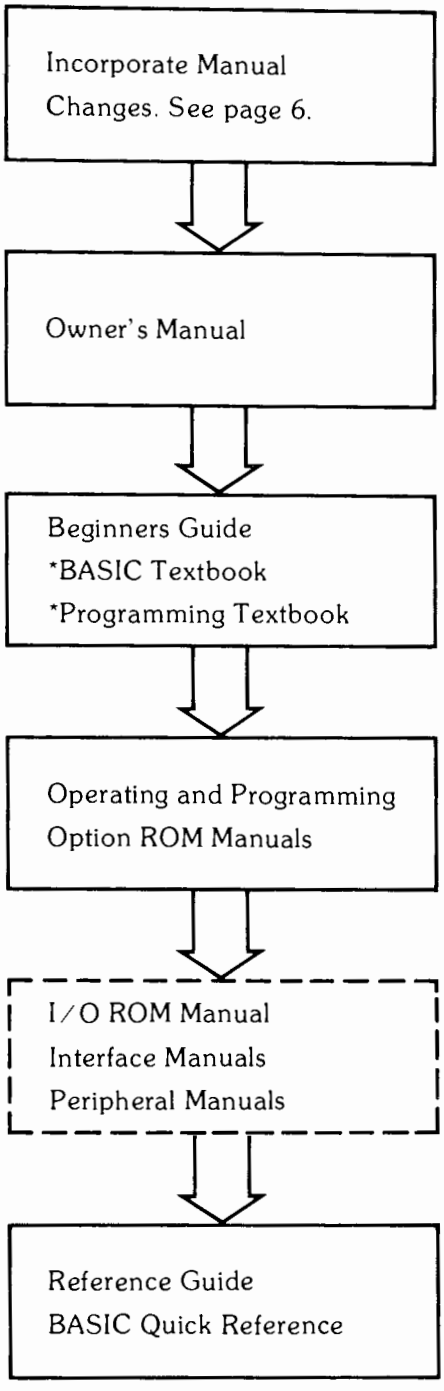
EXPERIENCED DESKTOP USERS

For those with previous experience with HP Desktop Computers, see page 4 of this booklet.

ASSEMBLY LANGUAGE PROGRAMMERS

For those doing assembly language programming, see page 5 of this booklet.

Beginner



Set up and turn on procedures for your System 35.

Learn BASIC Language programming.

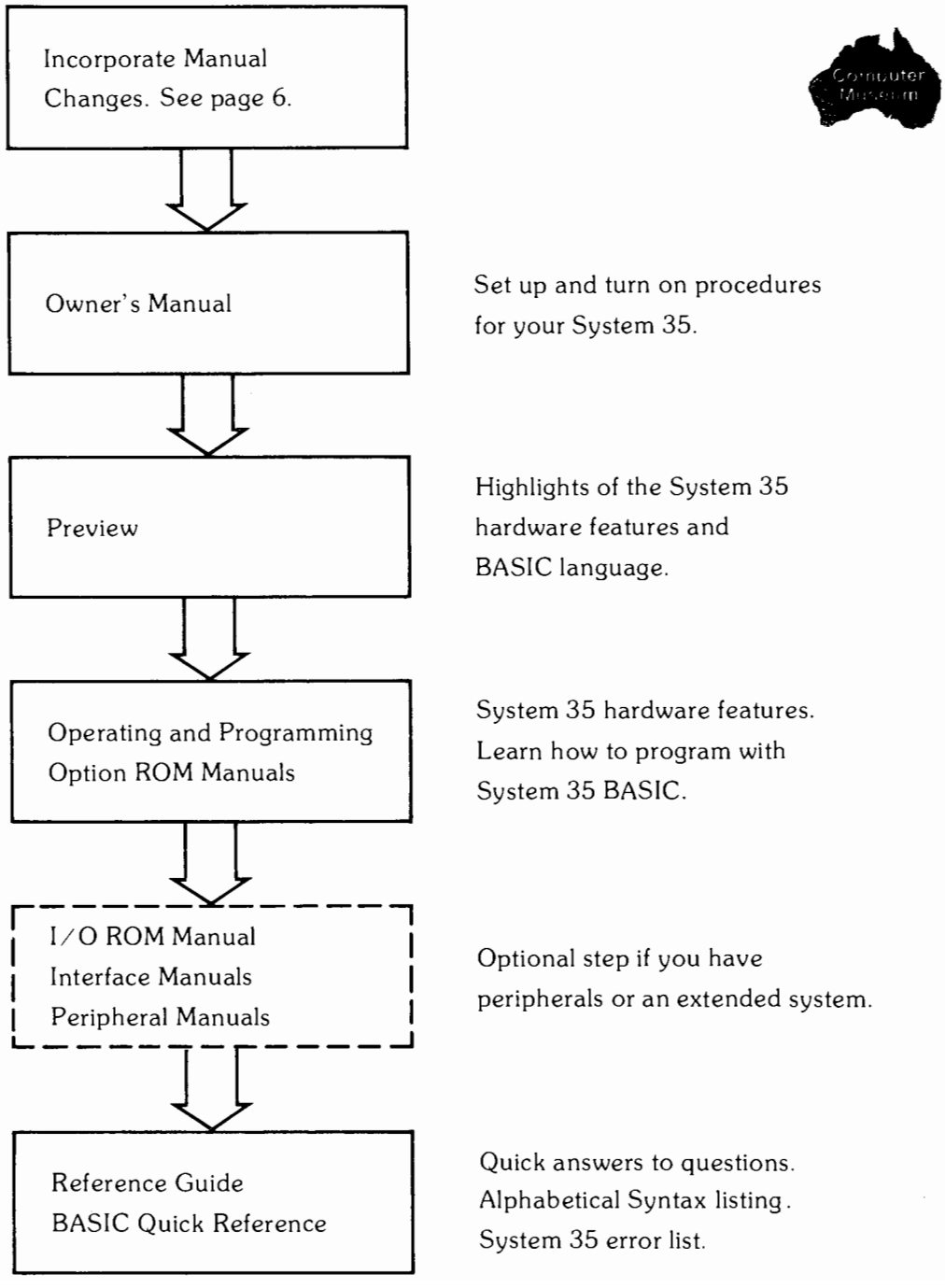
System 35 hardware features. Learn how to program with System 35 BASIC.

Optional step if you have peripherals or an extended system.

Quick answers to questions. Alphabetical Syntax listing. System 35 error listing.

* Not included with System 35 documentation. Textbooks covering these subjects may be found in most bookstores.

Advanced



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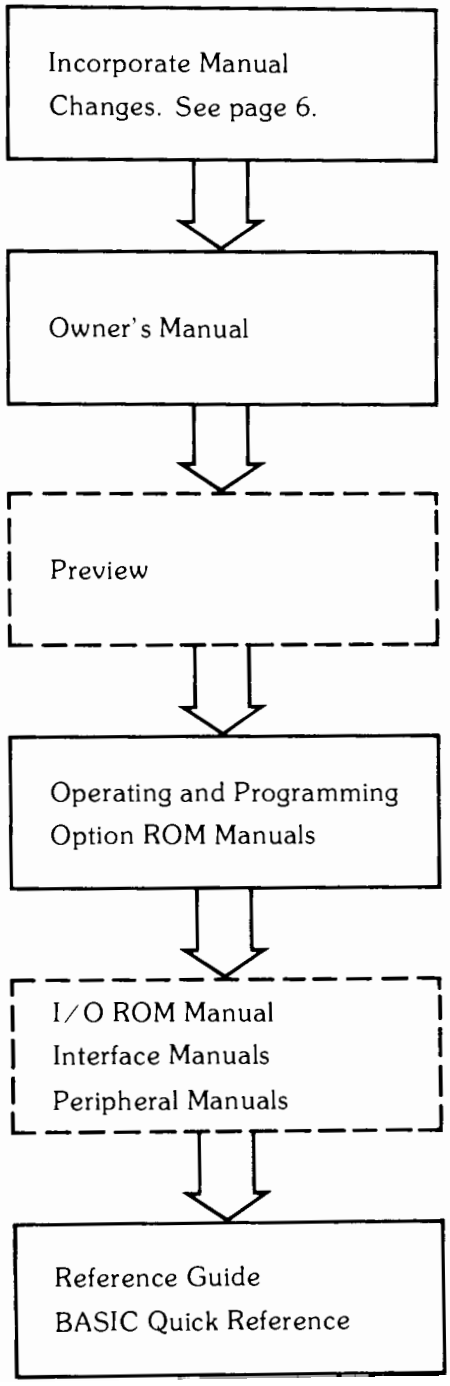
Experienced



Set up and turn on procedures for your System 35.

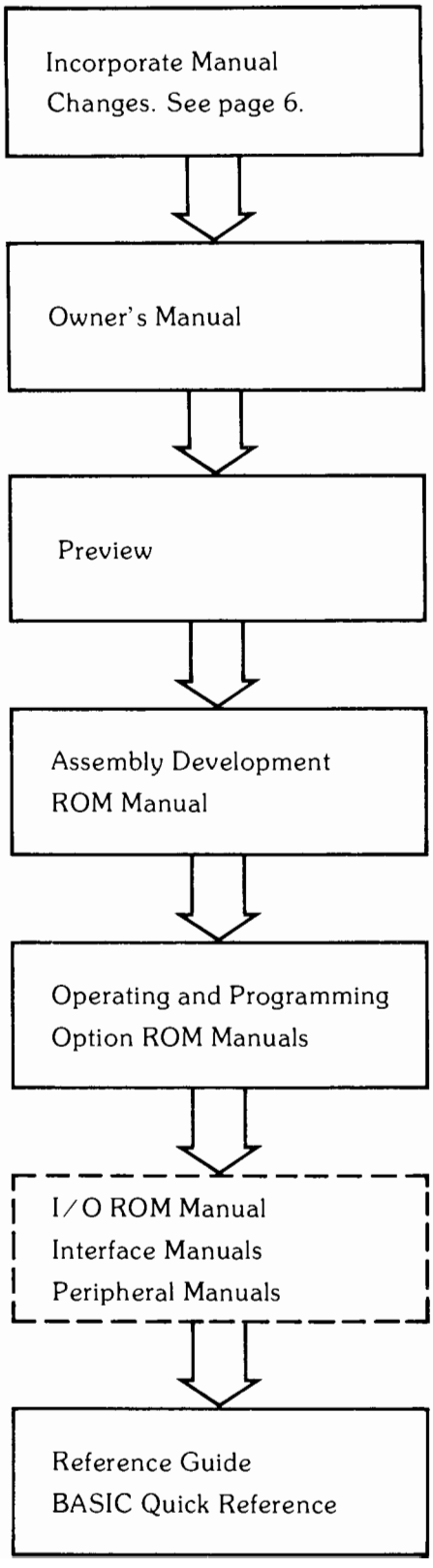
Highlights of the System 35 hardware features and BASIC Language (Optional step for those who are familiar with HP BASIC).

System 35 hardware features. Learn how to program with System 35 BASIC.

Optional step if you have peripherals or an extended system.

Quick answers to questions. Alphabetical Syntax listing. System 35 Error list.

Assembly Language



Set up and turn on procedures for your System 35.

Highlights of the System 35 hardware features and BASIC language.

Programming instructions for the Assembly Language ROM.

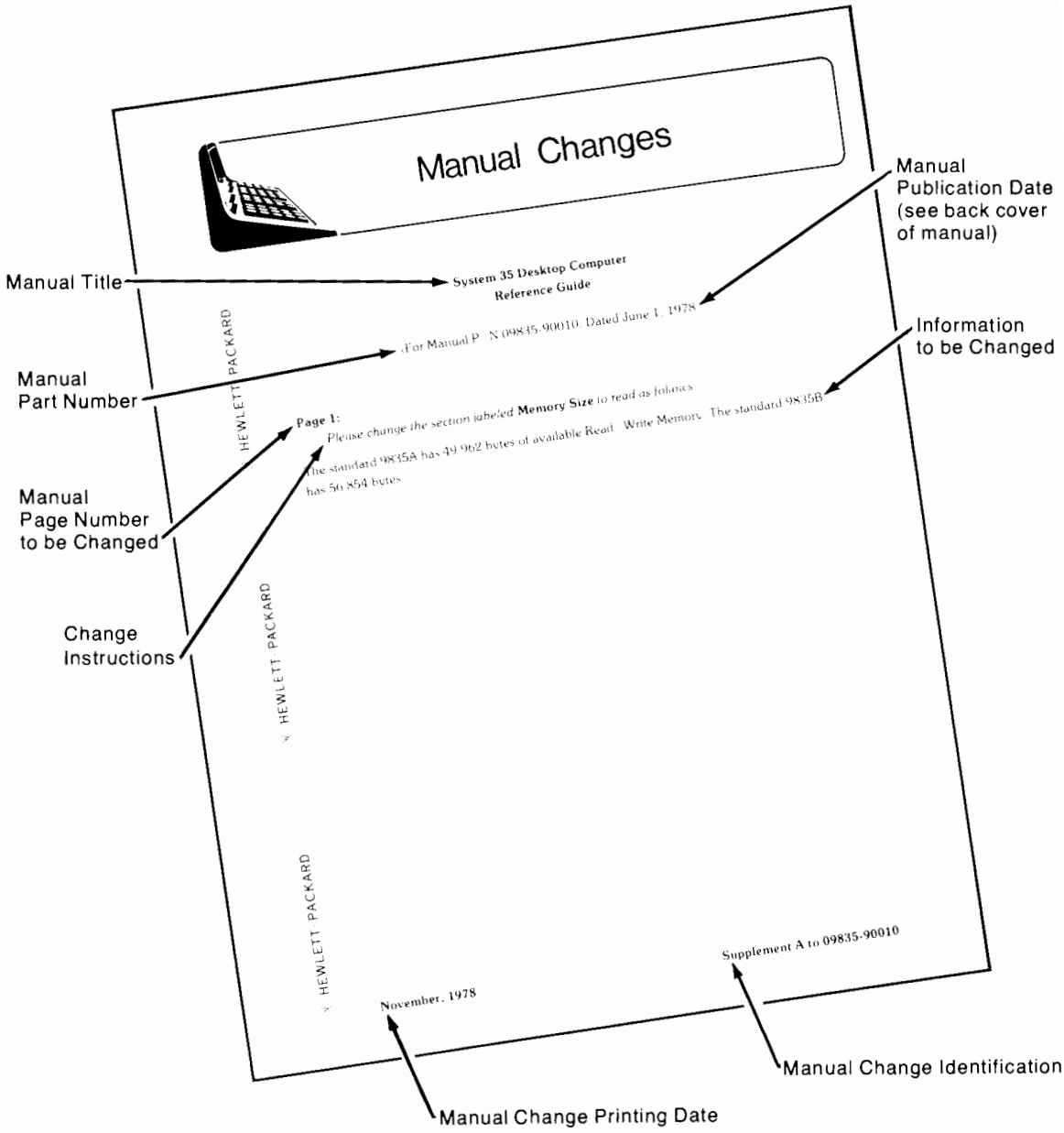
System 35 hardware features. Learn how to program with System 35 BASIC.

Optional step if you have peripherals or an extended system.

Quick answers to questions. Alphabetical Syntax listing. System 35 error list.

Manual Changes

Manual changes are included for you so that you can update your manuals. You should note the information provided by the Manual Change and enter these changes into the appropriate manual. See the following example.



System Manuals

"Owner's Manual" (P/N 09835-90005) is for the System 35 owner.

It covers initial set-up, cleaning the computer, ROMs, the tape cartridge, and available peripherals and interfaces.

"Beginner's Guide" (P/N 09835-90001) is for the novice programmer.

It covers the fundamentals of programming and the BASIC language. The beginner can then progress to the Operating and Programming Manual.

"Operating and Programming" (P/N 09835-90000) is for all users.

The features of the computer and its programming language are explained.

"Preview" (P/N 09835-90002) is for the experienced BASIC programmer.

It is a brief "demonstration" to introduce the hardware features and extensions to the BASIC language of the System 35.

"Reference Guide" (P/N 09835-90010) is for all users.

It is a reference to general machine features and all language syntax.

"System Exerciser" (P/N 09835-90040) is for all users.

Refer to this manual to check your desktop computer system if there is any doubt that it is operating properly. This manual also has a companion data cartridge.

"BASIC Quick Reference" (P/N 09835-90015) is for all users.

This is a pocket reference guide to the 9835 language syntax.

Extended Programming Manuals

The following manuals are used in extended programming, and all require the installation of their associated ROM.

Plotter Programming Techniques Manual	P/N 09835-90050
I/O Programming Manual	P/N 09835-90060
Mass Storage Techniques Manual	P/N 09835-90070
Assembly Language Quick Reference Manual	P/N 09835-90080
Assembly Language Execution ROM Manual	P/N 09835-90082
Assembly Language Development ROM Manual	P/N 09835-90083

Peripheral Manuals

The list below is comprised of manuals for peripheral devices that are specifically designed to be used with the System 35 Computer. In some cases there is a **programming manual** available to support the language necessary to use the device.

2631A Line Printer	
Operator's Manual	P/N 02631-90901
Programming Manual	P/N 02631-90903
Reference Manual	P/N 02635-90905
9866A/B Thermal Printer	
Peripheral Manual	P/N 09866-90001
9869A Card Reader	
Peripheral Manual	P/N 09869-90002
Programming Techniques Manual	P/N 09845-90669
9871A Impact Printer	
Installation Manual	P/N 09871-90035
Option 001 Operating and Service Manual	P/N 09871-90001
Programming Techniques Manual	P/N 09845-90671
9872A Plotter	
Operating and Service Manual	P/N 09872-90000
Programming Techniques Manual	P/N 09835-90050
9874A Digitizer	
Documentation	P/N 09874-90000
Programming Techniques Manual	P/N 09835-90674
9875A Cartridge Tape Unit	
Installation and Operation Manual	P/N 09875-90000
Programming Techniques Manual	P/N 09845-90675
9878A I/O Expander	
Installation and Service Manual	P/N 09878-90000
9881A Line Printer	
Operator's Manual	P/N 02607-90005

9883A Tape Reader

Operating and Programming Manual	P/N 09883-90001
Programming Techniques Manual	P/N 09845-90683

9884A Tape Punch

Operating and Service Manual	P/N 09884-90000
Programming Techniques Manual	P/N 09845-90684

9885 Flexible Disk Drive

Installation Manual	P/N 09885-90010
Mass Storage Techniques Manual	P/N 09835-90070

Interface Manuals

The following manuals relate to the mainframe/peripheral interconnecting cable systems.

The Real Time Clock is a special interface device since it has an internal source of data. Because of this, it also has a programming manual.

98032A 16-bit Interface

Installation and Service Manual	P/N 98032-90000

98033A BCD Interface

Installation and Service Manual	P/N 98033-90000

98034A Revised HP-IB Interface

Installation and Service Manual	P/N 98034-90000

98035A Real Time Clock Interface

Installation and Operation Manual	P/N 98035-90000
Programming Techniques Manual	P/N 09845-90635

98036A Serial I/O Interface

Installation and Service Manual	P/N 98036-90000

98040A Incremental Plotter Interface

Installation and Service Manual	P/N 98040-90000

98041A Disc Interface

Installation Manual	P/N 98041-90000

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