

Bibliography and Master Index

Programming Family



Personal
Computer
Software

Bibliography and Master Index

Programming Family



Personal
Computer
Software

Second Edition (June 1987)

This edition applies to Version 2.1.1 of the AIX Operating System, and to all subsequent releases until otherwise indicated in new editions or technical newsletters. Changes are made periodically to the information herein; these changes will be reported in technical newsletters or in new editions of this publication.

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Products are not stocked at the address given below. Requests for copies of this product and for technical information about the system should be made to your authorized IBM RT PC dealer or your IBM marketing representative.

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About This Book

Audience and Purpose

This book is intended for all persons who will be using the IBM RT Personal Computer ¹ publications library. It contains a library overview and an index to the books you might need to install, operate, or program the IBM RT ¹ PC.

This book will lead you to the answers for such commonly asked questions as: How can I customize my system? What books help me set up the system? Where can I find the procedure to copy a file? What is a *relative path name*?

This book is not intended to tell you everything about a subject, but it is intended to tell you where to look for answers to questions about the RT PC ¹.

¹ RT, RT PC, and RT Personal Computer are trademarks of International Business Machines Corporation.

How This Book is Arranged

This book is divided into two chapters:

- Chapter 1, "Bibliography," describes the books that make up the IBM RT PC hardware library and the AIX² Operating System library. It shows you how the books relate to the tasks you will want to perform with the RT PC.
- Chapter 2, "Master Index," is an index to the books in the RT PC library. If you need information about a particular item but do not know where to find the information, turn to the Master Index. Each index entry is followed by an abbreviation, such as *Cmd*. This abbreviation refers to the *Commands Reference*, and directs you to that book for the information. You can then use the index or table of contents for the specific book to get to a specific page number or chapter.

A list of indexed books and their abbreviations is at the beginning of chapter 2. Also, in Chapter 1, "Bibliography", the book abbreviation follows the book name in each individual description.

Ordering Additional Copies of This Book

To order additional copies of this book from your IBM representative, use Order Number SC23-0788.

² AIX is a trademark of International Business Machines Corporation.

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Chapter 1. Bibliography

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About This Chapter

This chapter contains an overview of the publications that support the IBM RT PC hardware and the IBM RT PC AIX Operating System. In this chapter, you can find information about ordering additional publications, as well as brief descriptions of the publications. You can use these descriptions to help determine which books you need to use to do specific tasks with the RT PC system. An index to each of these publications is contained in Chapter 2.

Introducing the RT PC Hardware and AIX Operating System Library

The IBM RT PC and AIX Operating System library is designed to help you easily find and use the information you need when installing and operating the RT PC system.

Three basic types of information describe how to install and use the system: tutorial, guide, and reference.

Tutorial Information

Tutorial information presents procedures and explanations to help the inexperienced computer user understand and use the basic system concepts and functions. For example, tutorial information explains what a file is, why you need files, and how to create files using screen prompts. Basic steps take you through each action required.

Guide Information

Guide information includes more user tasks than tutorial information, and is directed toward someone who is familiar with computers or with the RT PC system, or someone who has worked through tutorial information. Guide information generally contains more discussion of concepts than does tutorial information, and also includes instructional steps for some tasks. Guide information is layered to teach you about the basic concepts, followed by the more complex. This layering allows you to proceed at the pace that is most comfortable for you. Layered information also consists of two paths. The first path contains only the minimum steps required to do a task. These steps are surrounded by a box so that you can more easily find them. Following the step box, a second path is provided to give you more detailed information. This second path shows you, for example, the display screen that appears after doing a step, or it gives you tips or useful information about completing a step.

Reference Information

Reference information provides complete descriptions of the available functions, not just selected task information. For example, in command reference material, all the commands are listed alphabetically with brief, but complete, descriptions of the command purpose, the command parameters or operands, and examples where appropriate. This type of information is directed toward the more experienced computer user or one who has worked through tutorial and guide information.

Library Description

When you received the RT PC system, it included the publications you need for general operations and use. Other technical publications are available optionally and are directed toward specific uses of the system, such as programming. Each of these publications is described on the following pages.

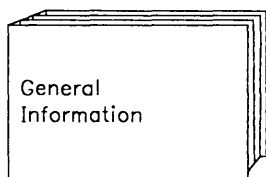
If you want additional copies of any of these publications, you can use the order number listed after the book name to order copies from your IBM representative.

Introductory Publications

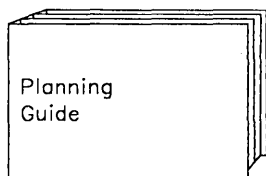
The following books introduce you to the RT PC system hardware and software. These books are:

- *IBM RT Personal Computer General Information, Version 2.1.1* (Order Number: GC23-0783)
- *IBM RT PC Planning Guide, Version 2.1.1* (Order Number: GC23-0782).

Following are brief descriptions of these publications.



General Information (GInfo) gives an overview of the RT PC's hardware, software, and communications facilities. It also includes information on international character support.



Planning Guide (Plan) provides information for site planning and preparation, software planning, and communications planning. The site planning and preparation information includes some physical specifications of the RT PC system units, devices, and cables. The software planning information includes prerequisites, corequisites, and recommended memory for certain software products. The communications planning information includes prerequisites, corequisites, and network configuration requirements of certain communications products. This book should be consulted before ordering RT PC products.

Hardware Library

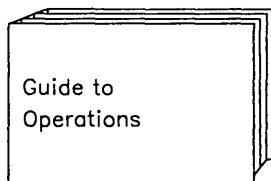
When you receive the IBM 6151 System Unit, or the IBM 6150 System Unit, a separate box contains the following books:

- *IBM RT PC Guide to Operations* (Order Number: SV21-8021)
- *IBM RT PC User Setup Guide* and *IBM RT PC Options Installation* (Order Number: SV21-8020)
- *IBM RT PC Problem Determination Guide* (Order Number: SV21-8022).
- *IBM 6150 System Unit, Hardware Maintenance and Service* (Order Number: SV21-8025)

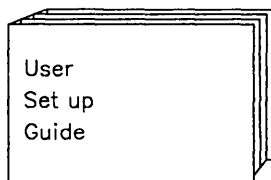
OR

- *IBM 6151 System Unit, Hardware Maintenance and Service* (Order Number: SV21-8026)

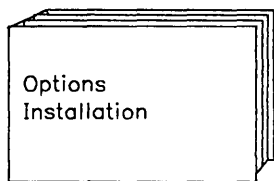
Following are brief descriptions of the books.



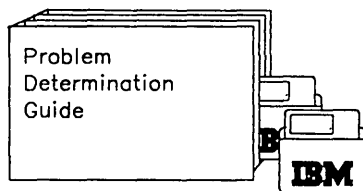
Guide to Operations (GTO) describes the IBM 6151 System Unit, the IBM 6150 System Unit, the IBM displays, keyboard, and other devices that can be attached to the system units. This guide also includes procedures for operating the hardware and for moving the system units.



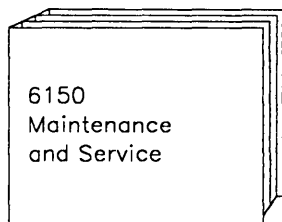
User Setup Guide (Setup) contains information to help you set up the RT PC system. Included is information about identifying, unpacking, and connecting devices and testing the system setup. (Packaged with *Options Installation*)



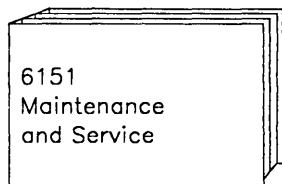
Options Installation (Opt) tells you how to remove the covers from the system units, install optional fixed-disk and diskette drives on the IBM 6150 System Unit, and install optional adapters in the IBM 6151 and IBM 6150 System Units. You can use this guide to install options in a new system or a system you are already using. (Packaged with *User Setup Guide*)



Problem Determination Guide (PDG) helps you take the steps necessary to isolate problems with the hardware or the AIX Operating System. Included are instructions for running diagnostic routines to locate and identify problems. High-capacity (1.2M bytes) diskettes containing the RT PC diagnostic routines are shipped with this guide.

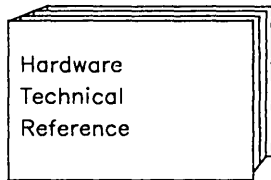


6150 Maintenance and Service (6150) provides service procedures for the service technician to isolate and repair hardware failures in the 6150 system unit. This book also includes two high-capacity (1.2M bytes) diskettes containing the IBM RT PC diagnostic routines and a set of wrap plugs.



6151 Maintenance and Service (6151) provides service procedures for the service technician to isolate and repair hardware failures in the 6151 system unit. This book also includes two high-capacity (1.2M bytes) diskettes containing the IBM RT PC diagnostic routines and a set of wrap plugs.

You can also purchase the *IBM RT PC Hardware Technical Reference* (Order Number: SV21-8024), which gives you more detailed information about the RT PC devices.



Hardware Technical Reference (HwTR) is a two-volume set. Volume I describes the system unit operation, I/O interfaces, serial ports, memory interfaces, and the central processing unit interface instructions. Volume II describes adapter interfaces for optional devices and communications and includes information about IBM Personal Computer family options and the adapters supported by IBM 6150 and IBM 6151 System Units. This reference is intended for use by hardware and program designers, programmers, and engineers.

Operating System Library

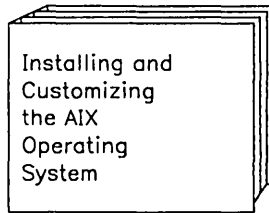
When you receive the AIX Operating System, a box includes the following books:

- *IBM RT PC Installing and Customizing the AIX Operating System, Version 2.1* (Order Number: SBOF-0127)
- *IBM RT PC Messages Reference, Version 2.1* (Order Number: SBOF-0129)
- *IBM RT PC Using the AIX Operating System* (Order Number: SBOF-0169)
- *IBM RT PC Managing the AIX Operating System* (Order Number: SBOF-0168)
- *IBM RT PC AIX Operating System Communications Guide, Version 2.1* (Order Number: SBOF-0156)
- *IBM RT PC Usability Services Guide, Version 2.1* and *IBM RT PC Usability Services Reference, Version 2.1* (Order Number: SBOF-0149)
- *IBM RT PC INed¹, Version 2.1* (Order Number: SBOF-0160)
- *IBM RT PC Commands Reference, Version 2.1* (Order Number: SBOF-0128).

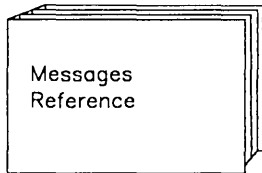
In addition to these books, *IBM RT PC Exploring Usability Services, Version 1.0*, an online tutorial, is shipped with the AIX Operating System diskettes.

¹ INed is a trademark of INTERACTIVE Systems Corporation.

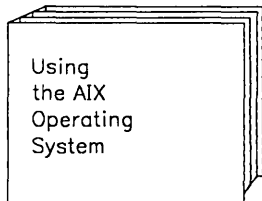
Following are brief descriptions of these publications.



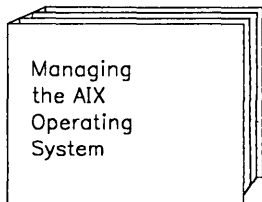
Installing and Customizing the Operating System (Install) provides step-by-step instructions for installing and customizing the AIX Operating System, including how to add or delete devices from the system and how to define device characteristics. This book also explains how to create, delete, or change AIX and non-AIX minidisks.



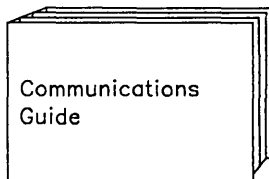
Messages Reference (Msgs) lists the messages that are displayed by the RT PC and explains how to respond to them. This reference is designed so that you can add to it the message sections from other licensed program publications.



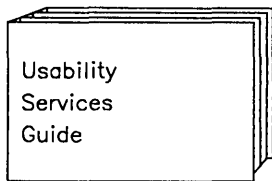
Using the AIX Operating System (Use) describes using the AIX Operating System commands, working with file systems, and developing shell procedures.



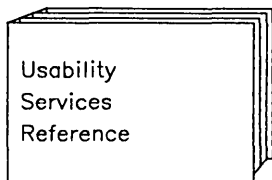
Managing the AIX Operating System (Man) provides instructions for performing such system management tasks as adding and deleting user IDs, creating and mounting file systems, and repairing file system damage.



Communications Guide (Comm) provides information and customizing details about communicating with other users in a multiple work station environment and in two system-to-system configurations. One configuration links a single interactive work station with a remote host, and the other links two AIX-based systems for batch file transfer. This guide tells you how to send and receive messages and files and carry out certain commands remotely.



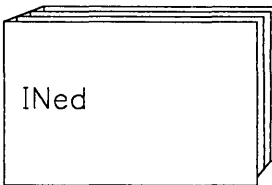
Usability Services Guide (USGd) shows you how to log in to the AIX Operating System, if necessary, then start *Exploring Usability Services*. After you work through *Exploring Usability Services*, this guide gives you practice in creating and printing text files, working with directories, starting application programs, and doing other basic tasks with Usability Services. (Packaged with *Usability Services Reference*)



Usability Services Reference (USRef) supplements *Usability Services Guide* by including information on using all of the Usability Services commands. Commands are listed alphabetically, and the steps required to use commands are included. This reference is designed so that you can add to it information about Usability Services commands available through other licensed programs. This reference assumes that you have completed *Usability Services Guide*. (Packaged with *Usability Services Guide*)

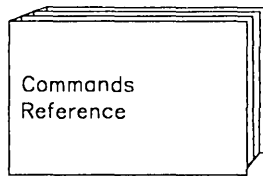


Exploring Usability Services is an online tutorial for first-time users of Usability Services. This tutorial simulates the user interface and shows how to use the keyboard and the optional mouse, how to manipulate windows, how to use files and the AIX Operating System, and how to enter AIX commands.



INed (INed) guides you in using the INed editor and the other facilities of the TEN/PLUS² user interface on the RT PC. The TEN/PLUS user interface consists of the the INed editor, the file manager, and the history display. This book provides both guide and reference material on creating and revising files, formatting text, printing files, using special structured files, and displaying the history of structured files.

² TEN/PLUS is a trademark of Interactive Systems Corporation.



Commands Reference (Cmd) describes the AIX Operating System commands. Commands are described in alphabetical order, and a command index is provided to help you locate the commands you need to perform specific tasks. Command descriptions tell you how to call commands, who can call them, what they do, how they read input, how they write output, and how to modify their actions. This reference assumes that you are familiar with using AIX commands.

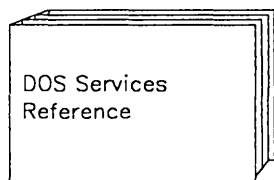
You can purchase the following books to learn to use DOS Services and to do advanced programming:

- *IBM RT PC Using DOS Services, Version 2.1* and *IBM RT PC DOS Services Reference, Version 2.1* (Order Number: SBOF-0158)
- *IBM RT PC C Language Guide and Reference, Version 2.1* (Order Number: SBOF-0134)
- *IBM RT PC Programming Tools and Interfaces, Version 2.1* (Order Number: SBOF-0132)
- *IBM RT PC Operating System Technical Reference, Version 2.1* (Order Number: SBOF-0135)
- *IBM RT PC Assembler Language Reference, Version 2.1* (Order Number: SBOF-0133)
- *IBM RT PC Virtual Resource Manager Technical Reference, Version 2.1* (Order Number: SBOF-0136)
- *IBM RT PC VRM/Hardware Quick Reference, Version 2.1* (Order Number: SC23-0777)
- *IBM RT PC Interface Program for use with TCP/IP, Version 2.1* (Order Number: SBOF-0148)
- *IBM RT PC Keyboard Description and Character Reference, Version 2.1* (Order Number: SC23-0126)
- *IBM RT PC Base PC Network Services, Version 2.1* (Order Number: SBOF-0131)
- *IBM RT PC AIX Operating System Text Formatting Guide, Version 2.1* (Order Number: SBOF-0157)
- *IBM RT PC SNA Services Guide and Reference, Version 2.1* (Order Number: SBOF-0150)
- *IBM RT PC X-Windows Guide and Reference* (Order Number: GC23-0804, available late 1987)

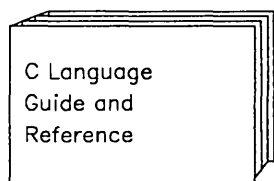
Following are brief descriptions of these publications.



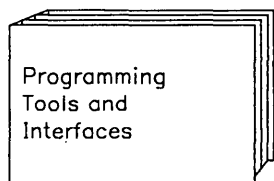
Using DOS Services (UsingDOS) provides step-by-step information for using DOS Services. (Packaged with *DOS Services Reference*)



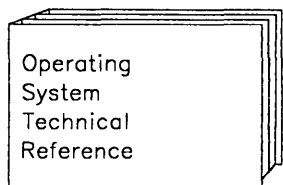
DOS Services Reference (DOSRef) provides reference information about the AIX Operating System DOS Services. This book also includes information on sharing DOS files with Personal Computer AT Coprocessor Services, and on the differences between PCDOS and DOS Services. (Packaged with *Using DOS Services*)



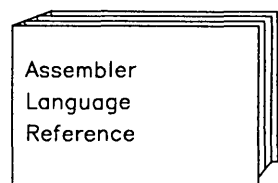
C Language Guide and Reference (CLang) provides guide information for writing, compiling, and running C language programs. It includes reference information about C language data structures, operators, expressions, and statements. This guide is intended for persons with some knowledge of general programming concepts and some experience in writing programs.



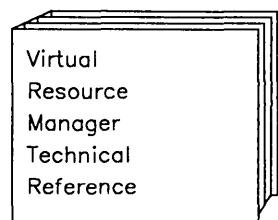
Programming Tools and Interfaces (Tools) describes the programming environment of the AIX Operating System and includes information about using the operating system tools to develop, compile, and debug programs. In addition, this book describes the operating system services and how to take advantage of them in a program. This book also includes a diskette that contains programming examples written in C language to illustrate how to use system calls and subroutines in short, working programs. This book is intended for use by programmers with experience in writing application programs that run in single- or multi-user system environments.



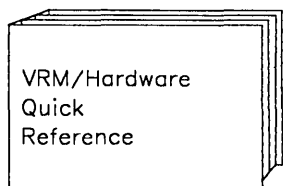
Operating System Technical Reference (OSTR) describes system calls and subroutines used in C language programs that interface with the AIX Operating System. It also provides information about files shipped with the AIX Operating System and about device driver creation. This reference is intended for persons who are programming, customizing, or managing the AIX Operating System.



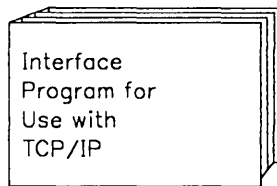
Assembler Language Reference (Asmb) contains information about the IBM RT PC Assembler Language and the 032 Microprocessor, including descriptions of syntax and semantics, machine instructions, and pseudo-operations. It also shows how to link and run assembler language programs, including linking to programs written in C language. This reference is intended for applications and systems programmers who know another assembler language.



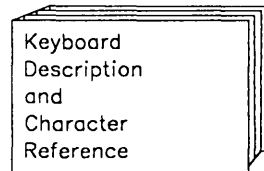
Virtual Resource Manager Technical Reference (VRM) is a two-volume set. The first volume, *Virtual Resource Manager Programming Reference*, describes the VRM programming environment, including the internal VRM routines, VRM floating-point support, use of the VRM debugger, and the supervisor call instructions that form the Virtual Machine Interface. The second volume, *Virtual Resource Manager Device Support*, describes device IPL and configuration, minidisk management, the virtual terminal and block I/O subsystems, as well as the interfaces to the predefined VRM device drivers. This volume also describes the programming conventions for developing your own VRM code and installing it on the system.



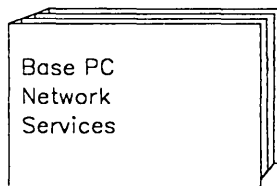
VRM/Hardware Quick Reference contains brief descriptions of the hardware and Virtual Resource Manager. This booklet includes information on command parameters and return codes and hardware and memory layout data.



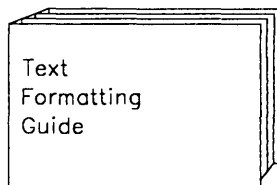
Interface Program for Use With TCP/IP (TCP/IP) describes the Interface Program commands for transferring data among host computers, logging into remote computers, and managing networks. This book also describes the programming interfaces to the Interface Program.



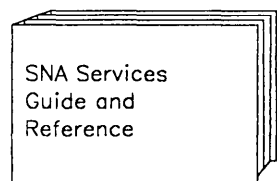
Keyboard Description and Character Reference (Kybd) describes the national character and keyboard support for the 101-key, 102-key, and 106-key keyboards, including keyboard position codes, keyboard states, control code points, code sequence processing, and nonspacing character sequences.



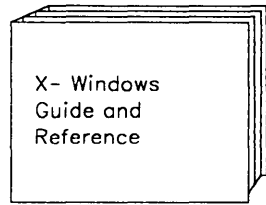
Base PC Network Services (Netw) describes the commands and interfaces that programs use to exchange data and messages on the PC Network. This book also includes information about where to find the IBM-provided sample programs that can be used to send and receive data on the PC Network.



Text Formatting Guide (Text) describes the functions and capabilities of NROFF and TROFF to perform text processing tasks.



SNA Services Guide and Reference (SNA) describes the capabilities and functions provided by the IBM RT PC Systems Network Architecture (SNA) Services when it is installed on an RT PC. It includes information on the structure and operation of SNA (Systems Network Architecture) on the RT PC, configuring a network, controlling SNA on the local system, finding problems associated with SNA Services, programming using the SNA Services application programming interface, and using the Usability Services extensions that are active when SNA Services is installed.



The *X-Windows Guide and Reference* (*XWind*) lists steps to install X-Windows. It includes a set of introductory procedures that use some common X-Windows functions, detailed descriptions of X-Windows functions and library functions, a technical reference, information about sockets and Metafonts, and error correction techniques.

Chapter 2. Master Index

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About This Chapter

Use this Master Index with the individual publication index or table of contents to find the topic you want. The book abbreviations following the index entries correspond to the 27 books listed in the key on the following page. For example, the abbreviation *Tools* indicates that the referenced topic is discussed in the *Programming Tools and Interfaces* manual.

Key to the Master Index

The books listed in the Master Index are:

Abbreviation	Manual Name
<i>Asmb</i>	Assembler Language Reference
<i>CLang</i>	C Language Guide and Reference
<i>Cmd</i>	Commands Reference
<i>Comm</i>	Communications Guide
<i>DOSRef</i>	DOS Services Reference
<i>GInfo</i>	General Information
<i>GTO</i>	Guide to Operations
<i>HwTR</i>	Hardware Technical Reference
<i>INed</i>	INed
<i>Install</i>	Installing and Customizing the Operating System
<i>Kybd</i>	Keyboard Description and Character Reference
<i>Man</i>	Managing the Operating System
<i>Msgs</i>	Messages Reference

Abbreviation	Manual Name
<i>Netw</i>	Base PC Network Services
<i>Opt</i>	Options Installation
<i>OSTR</i>	Operating System Technical Reference
<i>Plan</i>	Planning Guide
<i>PDG</i>	Problem Determination Guide
<i>Setup</i>	User Setup Guide
<i>SNA</i>	SNA Services Guide and Reference
<i>TCP/IP</i>	Interface Program for Use With TCP/IP
<i>Text</i>	Text Formatting Guide
<i>Tools</i>	Programming Tools and Interfaces
<i>USGd</i>	Usability Services Guide
<i>Use</i>	Using and Managing the AIX Operating System
<i>UsingDOS</i>	Using DOS Services
<i>USRef</i>	Usability Services Reference
<i>VRM</i>	Virtual Resource Manager Technical Reference, either volume

Abbreviation	Manual Name
<i>XWind</i>	X-Windows Guide and Reference
<i>6150</i>	6150 Maintenance and Service
<i>6151</i>	6151 Maintenance and Service

Special Characters

... (dot files) *INed*
 .DEFAULT *Tools*
 .put dir directory *INed*
 .SUFFIXES *Tools*
 < *DOSRef, Use*
 \$ prompt *Use*
 \$< macro *Tools*
 \$\$@ macro *Tools*
 \$* macro *Tools*
 \$% macro *Tools*
 \$? macro *Tools*
 @\$ macro *Tools*
 * global character *DOSRef*
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 /dev directory *Comm*
 /dev/sna *SNA*
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 /etc/ddi *OSTR*
 /etc/environment *Man*
 /etc/filesystems *OSTR, Man*
 /etc/group *OSTR, Man*
 /etc/master *OSTR, Man, SNA*
 /etc/passwd *OSTR, Comm, Man, SNA*
 /etc/profile *OSTR, Man*
 /etc/qconfig *OSTR, Man*
 /etc/rc *Man, SNA*
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- double acute *VRM, Kybd*
- grave *VRM, Kybd*
- macron *VRM, Kybd*
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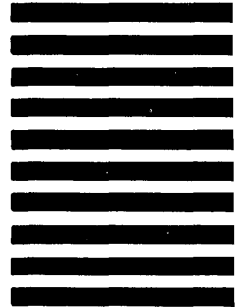
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