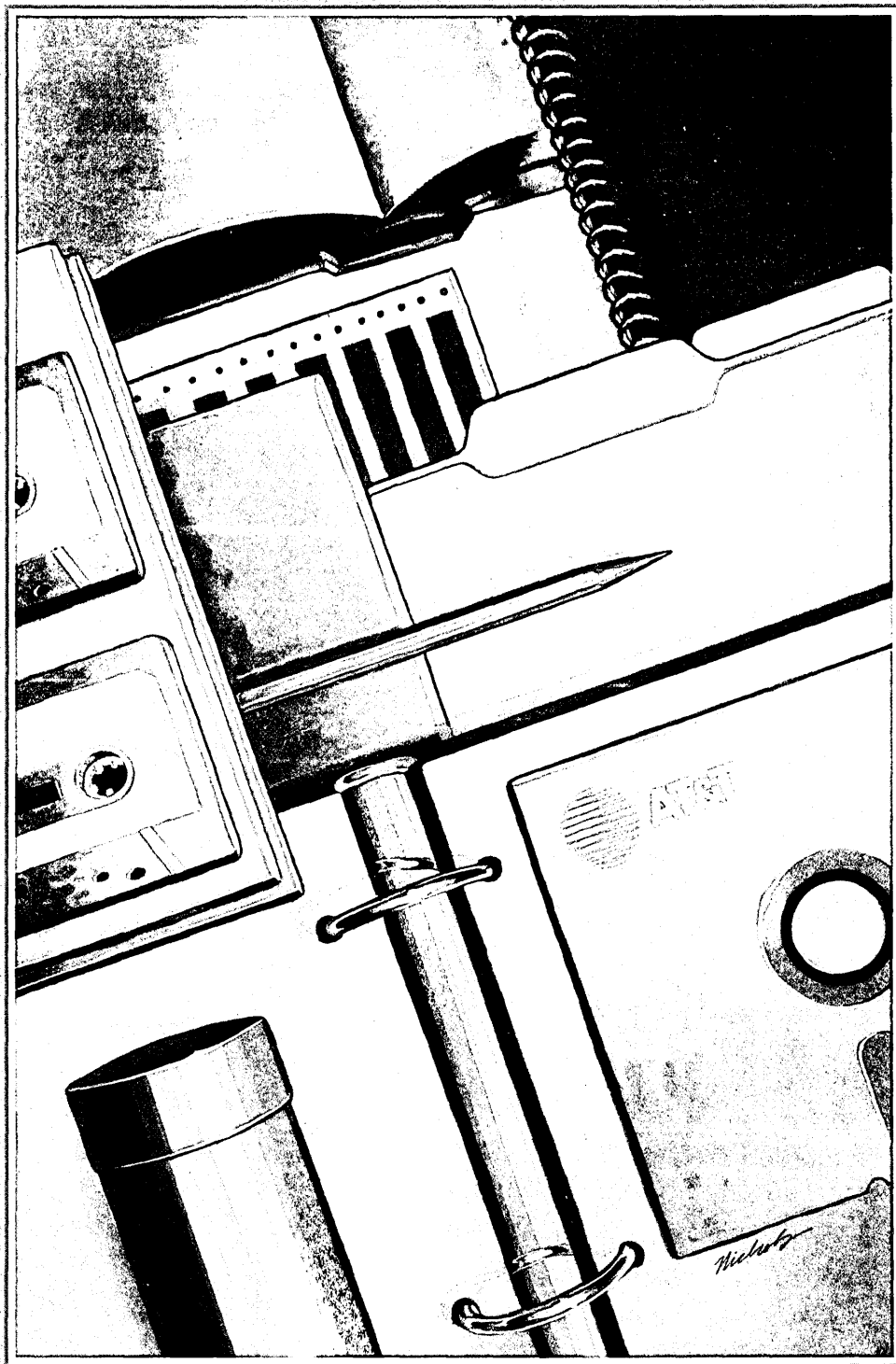


# AT&T Documentation Guide





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# Ordering Procedures

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The *AT&T Documentation Guide* is designed to keep customers informed of publications available from the AT&T Customer Information Center. These publications cover a wide variety of product and service offerings from AT&T. Some titles are not product specific but rather discuss general topics, such as telecommunications, data communications, theory and principles.

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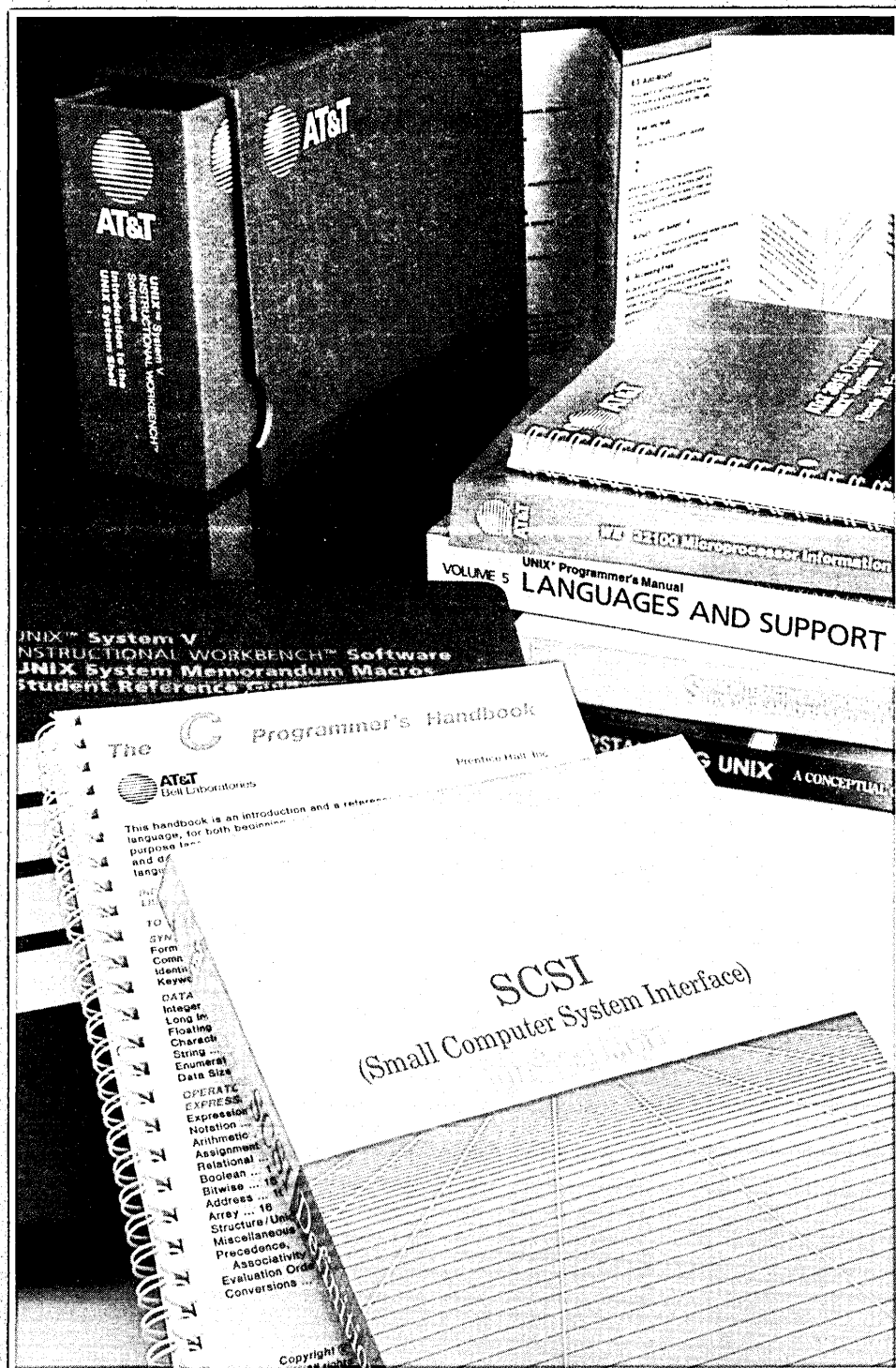
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AT&T  
Computer  
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This guide, written by Groff and Weinberg, offers an overall perspective on UNIX® including where it fits in computing, business and education. It also includes a description of significant features and benefits along with a comparison between UNIX® and other popular operating systems. 233 pgs. 307-132 \$26.95

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Author Maurice J. Bach describes the internal algorithms and structures that form the basis of the operating system (kernel) and their relationship to the programmer interface. It is applicable to several environments. The sections include a general overview of the system, an introduction to the kernel, the buffer cache, internal representation of files, system calls for the file system, the structure of processes, process control, process scheduling and time, memory management policies, the I/O subsystem, interprocess communication, multiprocessor systems, and distributed UNIX® Systems. 544 pgs. 320-044 \$37.95

**UNIX® SYSTEM V INTERFACE DEFINITION - VOLUME 1**

This latest edition provides the most up to date source code interfaces and run-time behavior of the operating system components. This volume includes the Base System and kernel extension. The Base System Definition specifies the components that all System V operating systems must provide. It includes an overview and detailed definitions of each component in the Base System. The emphasis is on defining a common computing environment for application programs and end-users; not on the internals of the operating system, such as the scheduler or memory manager. 320 pgs. 320-011 \$37.00

**UNIX® SYSTEM V INTERFACE DEFINITION - VOLUME 2**

An application program using only components defined in the System V Interface Definition will be compatible with and portable to any computer that supports the System V Interface. This volume includes basic utilities, software development, terminal interface, and administered system extensions. 463 pgs. 320-012 \$37.00

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This volume of the System V Interface Definition corresponds functionality in Release 1.0, Release 2.0, and Release 3.0. It includes a base system definition addendum, a terminal interface extension definition, and a network services extension definition. 378 pgs. 320-013 \$37.00

**UNIX® SYSTEM V SOFTWARE DESCRIPTION**

This document describes the UNIX® System software. It is described both functionally (how the user sees it) and specifically (the implementation mechanism used). 62 pgs. 307-265 \$20.00

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This "how to" quick guide explains logging in, using basic shell commands, and creating, editing, and using files with the editor. 27 pgs. 307-129 \$5.00

**THE UNIX® SYSTEM USER'S HANDBOOK**

Written by Morris Bolsky, this handbook is a basic guide to the UNIX® System. It explains how to log in, how to use basic shell commands, and how to create, edit, and use files with the ed editor. Several tables explain shell and ed special characters. Many examples illustrate the commands and special characters. 98 pgs. 320-042 \$16.95

**THE UNIX® SYSTEM USER'S MANUAL**

This book addresses itself to the needs of all users of UNIX® System V, but especially to those of application developers building C language application programs whose source code must be portable from one UNIX® System V environment to another. 637 pgs. 320-041 \$40.00

**THE UNIX® PROGRAMMING ENVIRONMENT**

This document by Kernighan and Pike communicates the UNIX® programming philosophy. How to use the programs that start the user programming immediately and how the programs fit into the environment are explained. This is essential reading for the beginner or experienced programmer. 357 pgs. 311-026 \$27.60

**WRITING EFFICIENT PROGRAMS**

Author Jon Bentley addresses a problem often crucial to the usefulness of a software system: efficiency. He describes and illustrates a set of general rules to achieve efficiency. 105 pgs. 320-004 \$21.95

**UNIX® SYSTEM PROGRAMMER'S MANUAL VOLUME 1 - COMMANDS AND UTILITIES**

This book contains the command and application programs that can be invoked directly by the user or by command language procedure. It describes the purpose and use of the UNIX® System commands, warns of potential problems, gives examples, and tells where to find related information. 524 pgs. 320-031 \$32.95

**UNIX® SYSTEM PROGRAMMER'S MANUAL VOLUME 2 - SYSTEM CALLS AND LIBRARY ROUTINES**

This book describes the programming features of the UNIX® System. Included are descriptions of system calls, subroutines, libraries, file formats, macro packages, and character set tables. 465 pgs. 320-032 \$32.95

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**UNIX® SYSTEM PROGRAMMER'S MANUAL VOLUME 4 - DOCUMENTATION PREPARATION FACILITIES**

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# UNIX® SYSTEM PROGRAMMER'S MANUAL VOLUME 5 - LANGUAGES AND SUPPORT TOOLS

This book describes languages and software tools that aid the UNIX® System user. There is detailed information on the uses of languages and programming support tools: Fortran and C programming languages, make, SCCS, M4 Macro Processor, awk, Link Editor, Common Object File Format, Arbitrary Precision Desk Calculator Language, Interactive Desk Calculator, Lexical Analyzer Generator, yacc, RJE, and UUCP.

618 pgs.  
320-035 \$43.95

# UNIX® SYSTEM V PROGRAMMER'S GUIDE

This volume describes two programming languages supported on the UNIX® System. The two languages are C Language and Fortran.

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# REMOTE FILE SHARING (RFS)

This guide allows the user to understand key factors that affect performance under RFS, types of applications likely to perform well, how to configure systems and applications for good performance, and how to use system tools to diagnose and tune performance.

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# THE VI USER'S HANDBOOK

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# DOCUMENT FORMATTING AND TYPESETTING ON THE UNIX® SYSTEM

Written by Narain Gehani, this comprehensive book introduces the novice to the UNIX® System formatting facilities (Documenter's Workbench™ Software) and provides the more experienced reader with the advanced aspects. One chapter each is devoted to mm macros for specifying document format, and the tools for specifying tables (tbl), figures (pic) and equations (eqn). Other chapters summarize troff, the UNIX® System formatter, and Writer's Workbench™ Software. Finally, the book contains several templates for preparing a variety of documents, descriptions of the UNIX® System typesetting commands, a glossary and an annotated bibliography.

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# UNIX® SYSTEM V VERIFICATION SUITE USER'S GUIDE

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This document is a reference volume for UNIX® System administrators. It should be used as a supplement to the information in the UNIX® System User's Manual (301-925) and the UNIX® System Administrator's Manual (301-926).

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This manual is a supplement to the information contained in the UNIX® System User's Manual (301-925) and provides an easy reference volume for those who must administer a UNIX® System. It is divided into three sections: system maintenance commands and application programs, special files, and system maintenance procedures.

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# UNIX® SYSTEM V RELEASE 1.0 TRANSITION AIDS

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This document describes the changes in features, release, and documentation of the International UNIX® System V. It also lists known deficiencies and contains substitute manual pages.

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This guide contains descriptive and procedural information on UNIX® System usage. Sections included are a primer, basics for beginners, tutorial-text editor, introduction to shell, Remote Job Entry User's Guide, and Source Code Control System User's Guide. It is for first time users who need a basic review. 118 pgs.  
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### UNIX® SYSTEM V RELEASE 1.0 USER'S MANUAL

This manual lists and describes commands, system calls, sub-routines, application programs, file formats, miscellaneous facilities and games. It also contains information needed by a typical UNIX® System user. It assumes some familiarity with the UNIX® System shell command structure. 744 pgs.  
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### UNIX® SYSTEM V RELEASE 1.0 ADMINISTRATOR'S GUIDE

This guide is a reference volume for those who administer a UNIX® System. The guide should be used to supplement the information contained in the UNIX® System User's Manual (301-905) and the UNIX® System Administrator's Manual (301-906). Sections included are: administrative advice, set-up procedures, auto call facility installation, accounting, file system checking, LP spooling system, remote job entry and system activity package. 185 pgs.  
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This descriptive and procedural information is needed to keep the UNIX® System functioning properly. It contains hardware and software operations (initialization and bootstrapping), process operations, and file system procedures. 32 pgs.  
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**307-230 \$30.00****UNIX® SYSTEM V RELEASE 3.0  
STREAMS PRIMER**

The STREAMS Primer provides a high level technical overview of STREAMS. Topics covered include a summary of the STREAMS mechanism, a description of the applications and benefits, and illustrations and definitions of terminology. It also includes a discussion of the facilities provided by STREAMS and a comparison of design features of character input/output device drivers.

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### UNIX® SYSTEM V RELEASE 3.0 STREAMS PROGRAMMER'S GUIDE

This guide is divided into three sections. The first part describes how application programmers should use user-level STREAMS facilities. It provides design and program information and guidelines for developing STREAMS applications. The second section describes how system programmers should use STREAMS facilities to write UNIX® System kernel modules and device drivers. The third part contains a summary of kernel-level data structures, STREAMS message types, and specifications of kernel utility routines. 500 pgs.

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### UNIX® SYSTEM V RELEASE 3.1 SOURCE CODE PROVISION RELEASE NOTES

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307-012 \$30.00

### UNIX® SYSTEM V RELEASE 3.1 PROGRAMMER'S REFERENCE MANUAL

This manual describes the programming features of the UNIX® System. It is divided into five sections: commands, system calls, subroutines, file formats, and miscellaneous facilities. 566 pgs.

307-013 \$40.00

TEXT MANAGER

### UNIX® SYSTEM V TEXT MANAGER SOFTWARE DESCRIPTION

This document defines some of the concepts of Text Manager and introduces other system documentation. 10 pgs.

308-190 \$15.00

### UNIX® SYSTEM V TEXT MANAGER INSTALLATION GUIDE AND RELEASE NOTES

This document defines the environment that should be in place before installing Text Manager. 13 pgs.

308-194 \$15.00

### UNIX® SYSTEM V TEXT MANAGER USER'S GUIDE

This guide describes the usage, procedures, and features of Text Manager. 51 pgs.

308-191 \$30.00

### UNIX® SYSTEM V TEXT MANAGER ADMINISTRATOR'S GUIDE

This guide is for the administrator who will set up and maintain the Text Manager development environment. 24 pgs.

308-192 \$25.00

### UNIX® SYSTEM V TEXT MANAGER REFERENCE MANUAL

This manual contains an independently numbered entry for each Text Manager command and is arranged alphabetically for easy reference. 299 pgs.

308-193 \$70.00

OFFICE TELESYSTEM

### OFFICE TELESYSTEM USER'S GUIDE

This manual discusses the services, features, and benefits available to secretaries and executives who use Office Telesystem. 750 pgs.

308-339 \$45.00

### OFFICE TELESYSTEM USER'S QUICK REFERENCE GUIDE

This guide gives brief step-by-step instructions for basic Office Telesystem services. 135 pgs.

308-170 \$20.00

### OFFICE TELESYSTEM EXECUTIVE'S QUICK REFERENCE GUIDE

This guide offers a convenient list of seven features of Office Telesystem most used by executives. Each feature is presented with the procedures needed to use the system. 36 pgs.

308-343 \$15.00

### OFFICE TELESYSTEM MANAGER'S QUICK REFERENCE GUIDE

This guide offers a quick reference to the seven main menus of Office Telesystem which apply to managers. 60 pgs.

308-348 \$15.00

### OFFICE TELESYSTEM SECRETARY'S QUICK REFERENCE GUIDE

This guide offers the secretary a list of eight features from the Office Telesystem main menu. Each feature comes with a description of the procedures needed to perform the functions on the menu. 72 pgs.

308-344 \$15.00

### OFFICE TELESYSTEM REFERENCE MANUAL

This manual should be used as a quick reference guide. Topics covered include the structure of Office Telesystem, the files of Office Telesystem, database, communications and much more. 372 pgs.

308-346 \$55.00

### OFFICE TELESYSTEM REFERENCE GUIDE FOR THE 505 PERSONAL TERMINAL

This is a handy reference card for the operation and commands of Office Telesystem. It briefly describes the primary services of this system. 14 pgs.

308-174 \$15.00

### OFFICE TELESYSTEM REFERENCE GUIDE FOR THE 4425 TERMINAL

This card provides a reference in a handy form. It describes the features and services available with Office Telesystem. 14 pgs.

308-173 \$2.50

### OFFICE TELESYSTEM INSTALLATION RELEASE NOTES FOR THE 3B2 COMPUTER

This document constitutes the release notes for Office Telesystem Release 2.0 when installed on a 3B2/300, 3B2/310, or 3B2/400 Computer. This should be filed in the Administrator's Guide (308-336). 22 pgs.

308-340 \$15.00

### OFFICE TELESYSTEM ADMINISTRATOR'S GUIDE FOR THE 3B2 COMPUTER

This guide provides the information needed to set up and administer the 2.0 release of Office Telesystem. 345 pgs.

308-336 \$65.00



**OFFICE TELESYSTEM  
PERIPHERAL GUIDE**

This guide provides instructions that will aid the reader in the installation of the various Office Telesystem peripherals. It also provides instructions on the use of the various terminals with Office Telesystem. Typical screens and label selection methods are discussed. This guide is intended for use by the person responsible for installing terminals, printers, and other peripheral devices. The guide is organized so that each piece of equipment is in a separate chapter. Therefore, reading the whole guide is not necessary. 122 pgs.

**308-338 \$70.00**

**OFFICE TELESYSTEM RELEASE  
1.1 XED REFERENCE CARD**

This card is a handy reference to the XED commands of Office Telesystem. It discusses accessing XED, selecting XED commands, responding to XED commands, cancelling XED commands, managing a document, setting up page fields, and print commands. 8 pgs.

**308-165 \$5.00**

**OFFICE TELESYSTEM RELEASE  
2.0 PRODUCT OVERVIEW**

This book contains a functional overview, and a description of hardware and software as well as supported terminals. It also discusses the available documentation and training needed for the implementation of an Office Telesystem. 7 pgs.

**308-168 \$5.00**

**OFFICE TELESYSTEM RELEASE  
2.0 XED REFERENCE GUIDE**

This guide includes procedures and guidelines for using the functions and features of Version 5.20 of the XED Document Processing System as developed for Release 1.1 of the Office Telesystem. It is intended for new users and users who have been trained on the XED editor or are familiar with an automated word processing system. 351 pgs.

**308-164 \$25.00**

**OFFICE TELESYSTEM RELEASE  
2.0 USER'S GUIDE**

This document presents the many advantages of Office Telesystem and gives directions for its use and implementation. Includes an addendum. 419 pgs.

**308-160 \$15.00**

**OFFICE TELESYSTEM RELEASE  
2.0 TECHNICAL REFERENCE  
GUIDE**

This guide aids in making changes to the hardware and software to configure the Office Telesystem to a targeted market. 148 pgs.

**308-159 \$50.00**

**OFFICE TELESYSTEM RELEASE  
2.0 PERIPHERAL  
INSTALLATION GUIDE**

This guide provides instructions and describes each device used in the installation of the Office Telesystem peripherals. It is intended for use by people who are responsible for installing terminals, printers, and other peripheral devices. Includes an addendum. 120 pgs.

**308-163 \$25.00**

**ASSIST**

**UNIX® SYSTEM V RELEASE 1.0  
ASSIST SOFTWARE RELEASE  
NOTES**

These release notes describe Assist and provide installation and reference information. 20 pgs.

**307-238 \$10.00**

**UNIX® SYSTEM V RELEASE 1.0  
ASSIST SOFTWARE SOURCE  
CODE RELEASE NOTES**

This document provides installation and building information for creating a binary version of Assist from the source code version of the same. Included is a complete list of all source files. 40 pgs.

**307-236 \$10.00**

**UNIX® SYSTEM V RELEASE 1.0  
ASSIST SOFTWARE USER'S  
GUIDE**

This guide describes the Assist menu interface and gives step-by-step instructions on accessing Assist. Information is also given on using the Assist menus, command forms, interactive walkthroughs, and the pop-up menu. A reference card and keyboard overlay for AT&T terminals are included. 61 pgs.

**307-234 \$30.00**

**UNIX® SYSTEM V RELEASE 1.0  
ASSIST SOFTWARE  
DEVELOPMENT TOOLS GUIDE**

This guide is a development tool for designing menus and command forms for the Assist interface to the UNIX® System. It includes examples and details of the steps needed to customize Assist. 40 pgs.

**307-235 \$10.00**

**DOCUMENTER'S  
WORKBENCH**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ PRODUCT  
OVERVIEW**

This document provides an overview of the features of the Documenter's Workbench™ Software. Sections include a description, programs, documentation, and technical information on the product. 12 pgs.

**310-006 \$5.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ MACHINE  
READABLE DOCUMENTATION  
SOFTWARE RELEASE  
DESCRIPTION**

This describes the source for the machine readable documentation for Documenter's Workbench™ Software Release 1.0. The installation and processing requirements are also discussed. 8 pgs.

**307-052 \$15.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 1.0  
SOFTWARE RELEASE  
DESCRIPTION**

This bulletin provides important information concerning Documenter's Workbench™ Software Release 1.0 and its installation on the 3B5 Computer. 27 pgs.

**307-014 \$10.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 1.0  
SOFTWARE INFORMATION  
BULLETIN**

This bulletin provides important information concerning Documenter's Workbench™ Software Release 1.0 and its installation on a 3B5 Computer. Read carefully before attempting the installation. 15 pgs.

**307-024 \$10.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 1.0  
BASIC DOCUMENTATION SET**  
This set includes these Documenter's Workbench™ Release 1.0 selections: Introduction and Reference Manual (307-150), Text Formatter Reference Manual (307-151), Macro Package Reference Manual (307-152), and Preprocessor Reference Manual (307-153). 471 pgs.  
**307-083 \$95.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 1.0  
INTRODUCTION AND  
REFERENCE MANUAL**  
This document describes the Documenter's Workbench™ Software and introduces beginners to producing documents with the system. Tutorials for the text processors are provided as well as information about using a UNIX® System for document production. An appendix of commands is also included.  
69 pgs.  
**307-150 \$20.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 1.0  
TEXT FORMATTER  
REFERENCE**  
This is a guide and reference manual to the text formatters available in the Documenter's Workbench™ Software. Sections included are an introduction, nroff/troff reference manual, device independent troff, and a sroff reference manual.  
200 pgs.  
**307-151 \$30.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 1.0  
MACRO PACKAGE REFERENCE  
MANUAL**  
This is a guide and reference manual for the text processing macro packages provided on the UNIX® System. Each chapter is a user guide to a specific macro package. This information allows the beginning user to understand and use the macros. For experienced users it offers access to needed information. Sections included are an introduction, a Memorandum Macros User Guide, a sroff/mm User Guide, and a Viewgraph Macros User Guide.  
212 pgs.  
**307-152 \$25.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 1.0  
PREPROCESSOR REFERENCE  
MANUAL**  
This document is a reference manual for the text preprocessors provided in the Documenter's Workbench™ Software. Sections included are table formatting program, PIC graphics language, and math typesetting program.  
92 pgs.  
**307-153 \$20.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
RELEASE NOTES**  
This document offers important information about the installation of Documenter's Workbench™ Software Release 2.0. Read carefully before attempting the installation procedure.  
52 pgs.  
**310-007 \$10.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
SOFTWARE HANDBOOK**  
This handbook serves as a memory jogger for accomplished users. It reviews the commands and features of the Documenter's Workbench™ Software.  
51 pgs.  
**310-008 \$10.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
HANDBOOK FOR NEW USERS**  
This book is designed for persons with limited experience using Documenter's Workbench™ Software. It shows various files before and after formatting and it explains the role of each request or macro in the "input" file.  
21 pgs.  
**310-009 \$10.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
USER'S GUIDE**  
This manual consists of tutorials which describe the features of the Documenter's Workbench™ Software.  
270 pgs.  
**310-004 \$50.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
TECHNICAL DISCUSSION AND  
REFERENCE MANUAL**  
This manual offers a technical discussion of the typesetting capabilities of the Documenter's Workbench™ Software.  
288 pgs.  
**310-005 \$50.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
SUPPLEMENTAL  
DOCUMENTATION SET**  
This set includes these Documenter's Workbench™ Release 2.0 selections: Software Release Description (307-010), Memorandum Macros (mm) Quick Reference (307-155), and Text Processing Quick Reference (307-156).  
82 pgs.  
**307-084 \$20.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
SOFTWARE RELEASE  
DESCRIPTION**  
This document describes new facilities and transitional information about the system release.  
45 pgs.  
**307-010 \$10.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
MEMORANDUM MACROS  
(MM) QUICK REFERENCE**  
This is a brief reminder on preparing documents using mm macros.  
32 pgs.  
**307-155 \$5.00**

**UNIX® SYSTEM V  
DOCUMENTER'S  
WORKBENCH™ RELEASE 2.0  
TEXT PROCESSING QUICK  
REFERENCE**  
This document is a reminder list of special commands and text processing commands.  
5 pgs.  
**307-156 \$5.00**

WRITER'S WORKBENCH™

**UNIX® SYSTEM V WRITER'S WORKBENCH™ REFERENCE CARD**

This reference card describes the Writer's Workbench™ programs which help in writing and editing text. 11 pgs.  
**310-001 \$5.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 1.0 SOFTWARE INFORMATION BULLETIN**

This document is a brief overview of the purpose, structure, and performance of the Writer's Workbench™ Software Release 1.0 for the 3B5 Computer. 22 pgs.  
**302-957 \$10.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 2.0 SYSTEM RELEASE DESCRIPTION**

This document is a brief overview of the purpose, structure, and performance of the Writer's Workbench™ Software Release 2.0. 5 pgs.  
**302-954 \$2.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 2.0 SOFTWARE INFORMATION BULLETIN**

This bulletin provides important information concerning this release of the Writer's Workbench™ software and its installation on a 3B2 Computer. 11 pgs.  
**305-390 \$5.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 2.0 SOFTWARE INFORMATION BULLETIN**

This is a brief overview of the purpose, structure, and performance of the Writer's Workbench™ Release 2.0.3 for the 3B5 Computer. 13 pgs.  
**302-958 \$10.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 2.0 USER'S MANUAL**

This manual contains user information for the Writer's Workbench™ programs. 375 pgs.  
**302-950 \$30.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 2.0 ADMINISTRATOR'S MANUAL**

This manual is a tutorial for setting up Writer's Workbench™. It includes command usage and examples. 15 pgs.  
**302-953 \$4.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 2.0 REFERENCE MANUAL**

This manual provides an index to Writer's Workbench™ Software features and abbreviated explanations of commands. Examples are included. It is intended for novice system users, developers, and programmers. 54 pgs.  
**302-951 \$10.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 2.0 SUMMARY OF COMMANDS AND FLAGS**

This chart lists commands and flags and indicates the effect of each command. 1 pgs.  
**302-952 \$5.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 3.0 PRODUCT OVERVIEW**

This document provides a description of the program, documentation and software support, terminal and software dependencies, supported hardware, and information concerning storage requirements. 9 pgs.  
**310-002 \$10.00**

**UNIX® SYSTEM V WRITER'S WORKBENCH™ RELEASE 3.0 USER'S GUIDE**

This manual provides detailed instructions for using the Writer's Workbench™ programs in the UNIX® System environment. 317 pgs.  
**310-000 \$55.00**

INSTRUCTIONAL WORKBENCH™

**UNIX® SYSTEM V INSTRUCTIONAL WORKBENCH® RELEASE 3.0 SOFTWARE RELEASE DESCRIPTION**

This document includes information on the facilities for courseware delivery, maintenance, automatic administration, and course authoring. 10 pgs.  
**308-123 \$4.00**

**UNIX® SYSTEM V INSTRUCTIONAL WORKBENCH® RELEASE 3.0 SOFTWARE INFORMATION BULLETIN**

The manual provides feature, documentation, installation, and release format information for the Instructional Workbench® Software. 12 pgs.  
**305-392 \$2.50**

**UNIX® SYSTEM V INSTRUCTIONAL WORKBENCH® RELEASE 3.0 FUNDAMENTALS OF THE UNIX® SYSTEM STUDENT REFERENCE GUIDE**

This document is used to develop proficient users of the UNIX® System. 41 pgs.  
**308-113 \$25.00**

**UNIX® SYSTEM V INSTRUCTIONAL WORKBENCH® RELEASE 3.0 ADVANCED USE OF THE UNIX® SYSTEM STUDENT REFERENCE GUIDE**

This document, targeted toward the advanced UNIX® System student, is a reference for learning UNIX® System text editor techniques. 41 pgs.  
**308-114 \$30.00**

**UNIX® SYSTEM V INSTRUCTIONAL WORKBENCH® RELEASE 3.0 STUDENT REFERENCE CARD**

Targeted toward the student taking an Instructional Workbench® (IWB) Software course, this card provides a reference for those using the IWB Software. 9 pgs.  
**308-117 \$15.00**

**UNIX® SYSTEM INSTRUCTIONAL WORKBENCH® RELEASE 3.0 TOUCH TYPING STUDENT REFERENCE GUIDE**

This document provides information on how to teach proper typing techniques. 27 pgs.  
**308-116 \$20.00**

**UNIX® SYSTEM V INSTRUCTIONAL WORKBENCH® RELEASE 3.0 MEMORANDUM MACRO STUDENT REFERENCE GUIDE**

This guide is a tutorial to accompany the on-line courseware instruction for the Memorandum Macro formatting package and also serves as a reference. 40 pgs.  
**308-111 \$25.00**



**UNIX® SYSTEM V  
INSTRUCTIONAL  
WORKBENCH® RELEASE 3.0  
TABLE PREPROCESSING  
STUDENT REFERENCE GUIDE**

This guide is a tutorial to accompany the on-line courseware instructions for Table Preprocessing (tbl) and also serves as a reference.

32 pgs.  
308-112 \$25.00

**UNIX® SYSTEM V  
INSTRUCTIONAL  
WORKBENCH® RELEASE 3.0  
TOPIC LANGUAGE  
PROGRAMMER'S HANDBOOK**

This guide provides a complete description of the Instructional Workbench® Topic concept and the Topic language syntax.

200 pgs.  
308-118 \$30.00

**UNIX® SYSTEM V  
INSTRUCTIONAL  
WORKBENCH® RELEASE 3.0  
ADMINISTRATOR'S GUIDE**

This guide introduces the Instructional Workbench® Software (IWB). Included are instructions on installing and adapting the IWB Software to fit the needs of the user, administering the IWB system, and using and interpreting IWB system activity reports.

49 pgs.  
308-110 \$30.00

**UNIX® SYSTEM V  
INSTRUCTIONAL  
WORKBENCH® RELEASE 3.0  
AUTHOR'S REFERENCE CARD**

This card provides a reference for the user who operates the UNIX® Authoring System.

14 pgs.  
308-120 \$10.00

**UNIX® SYSTEM V  
INSTRUCTIONAL  
WORKBENCH® RELEASE 3.0  
AUTHOR'S HANDBOOK**

This handbook includes all descriptive information, reference material, and a tutorial on the Compose Program.

223 pgs.  
308-119 \$40.00

**UNIX® SYSTEM V  
INSTRUCTIONAL  
WORKBENCH® RELEASE 3.1  
PRODUCT OVERVIEW**

This document contains complete courseware delivery and course authoring capability. It includes a number of features that are valuable in a training environment.

20 pgs.  
308-127 \$5.00

**UNIX® SYSTEM V  
INSTRUCTIONAL  
WORKBENCH® RELEASE 3.1  
SYSTEM FILES AND  
COMMANDS STUDENT  
REFERENCE GUIDE**

This is a supplement to the Instructional Workbench® course entitled UNIX® System Files and Commands. It instructs by supplying additional information about the course and serves as a reference in recalling commands and their functions.

52 pgs.  
308-102 \$45.00

**C PROGRAMMING  
LANGUAGE UTILITIES**

**C PROGRAMMING LANGUAGE  
UTILITIES PRODUCT  
OVERVIEW FOR THE 3B2/3B5  
COMPUTERS**

This document contains general information about components and new features of the C Programming Language Utilities. It is very helpful to new users because it provides an overall perspective of how the C System works.

15 pgs.  
305-144 \$10.00

**C COMPILATION SYSTEM  
(CCS) RELEASE 1.0 PRODUCT  
OVERVIEW FOR THE 3B2/3B5  
COMPUTERS**

This document contains an introduction, information about documentation, and information about the user interface.

5 pgs.  
305-486 \$10.00

**C PROGRAMMING LANGUAGE  
UTILITIES RELEASE NOTES**

This book provides important information about C Programming Language Utilities for the 3B5 Computer.

125 pgs.  
305-179 \$10.00

**C PROGRAMMING LANGUAGE  
RELEASE 2.0 SOFTWARE  
INFORMATION BULLETIN**

This software bulletin should be filed in the 3B2 Computer Owner/Operator Manual under the tab labeled "Software Information Bulletins." It provides important information concerning the C Programming Language Software.

38 pgs.  
305-389 \$5.00

**C PROGRAMMER  
PRODUCTIVITY TOOLS (CPPT)  
RELEASE NOTES**

These notes provide a description of the software, a checklist of contents of the CPPT package, instructions for installing the software, a description of CPPT documentation, instructions for ordering documents, and Programmer's Reference Manual pages for the cscope and lprof commands.

17 pgs.  
307-003 \$20.00

**C PROGRAMMING LANGUAGE  
UTILITIES (CPLU) RELEASE  
NOTES**

This document describes the installation and upgrade information, compatibility information, and document descriptions for CPLU Issue 4.15.

4.15 pgs.  
307-183 \$5.00

**PORTABLE C COMPILER  
VERSION 2 (PCC2) INTERNALS**

This document introduces and describes the Portable Compiler Version 2. Information is provided on tree forms, reading and writing templates, debugging flags and manifests for the PCC2.

66 pgs.  
308-142 \$500.00

**THE C PROGRAMMER'S  
HANDBOOK**

Written by Morris Bolsky, this handbook is both an introduction and a reference to the C Programming Language. A handy tool for beginning and experienced programmers, this book outlines syntax, data types, operators and expressions, statements, functions, declarations, libraries, formatted input and output, and details on how to write portable C programs.

84 pgs.  
320-022 \$19.95

**THE C PROGRAMMING  
LANGUAGE**

This book, written by Kernighan and Ritchie, helps the reader learn how to program in C. It contains a tutorial introduction to get new users started.

228 pgs.  
307-136 \$29.95

**C + + TRANSLATOR RELEASE  
NOTES**

This guide contains a brief description of the translator and C + + Programming Language, implementation of C + +, and the complex arithmetic and task library. Includes an addendum.

123 pgs.  
307-175 \$20.00

## THE C++ PROGRAMMING LANGUAGE

This book contains the tutorial and explanatory material necessary to allow a serious programmer to learn C++ and to complete real projects. The text is intended for computer science students and professional programmers who want to learn about this latest development of the C Programming Language. 327 pgs.  
**320-025 \$37.00**

## C-FP+ PROGRAMMING LANGUAGE UTILITIES PRODUCT OVERVIEW

This guide provides information on the components, uses, and features of C-FP+. It also lists documentation available, software dependencies, storage requirements, and benefits of running C-FP+ and C simultaneously on a 3B2/3B5/3B15 Computer. 16 pgs.  
**307-179 \$10.00**

## C-FP+ PROGRAMMING LANGUAGE UTILITIES RELEASE NOTES

These notes describe the software and documents that make up C-FP+, new software features, and procedures for installing C-FP+. They also contain pages for addition to the Programmer's Reference Manual for the 3B2 Computer. 50 pgs.  
**307-177 \$20.00**

## C-FP+ PROGRAMMING LANGUAGE UTILITIES RELEASE NOTES

These notes describe the software and documents that make up C-FP+, new software features, and procedures for installing C-FP+ on the 3B5/3B15 Computers. 50 pgs.  
**307-178 \$55.00**

## LEVEL II COBOL™ TOOLS SOFTWARE RELEASE DESCRIPTION

This book describes two Level II COBOL™ tools: Animator™ and Forms-2™. 2 pgs.  
**301-967 \$25.00**

## LEVEL II COBOL™ INTERPRETER SYSTEM RELEASE DESCRIPTION

The purpose of this release is to highlight the difference between the current COBOL product, the Level II interpreter, and a forthcoming code generating COBOL compiler for the 3B20S. Topics covered include dynamic file access, passing command line arguments, using the Organization Line Sequential mode, and much more. 19 pgs.  
**301-963 \$40.00**

## LEVEL II COBOL™ OPERATOR'S GUIDE

This manual describes operating procedures for the UNIX® System resident releases of the Level II COBOL™ Version 2.0 Compiler and Run Time System. 129 pgs.  
**301-962 \$75.00**

## LEVEL II COBOL™ REFERENCE MANUAL

This manual describes the Level II COBOL™ language for programming microcomputers. It is intended for programmers already familiar with COBOL on other equipment. 275 pgs.  
**301-961 \$165.00**

## LEVEL II COBOL™ TOOLS ANIMATOR™ OPERATING GUIDE

This manual is intended for COBOL programmers using Micro Focus COBOL development systems. 15 pgs.  
**301-964 \$45.00**

## LEVEL II COBOL™ FORMS-2™ UTILITY MANUAL

This manual describes the Forms-2™ package which is used to design, create, and edit interactive screen layouts for use with CIS or Level II COBOL™ application programs. 99 pgs.  
**301-965 \$40.00**

## LPI-COBOL™ USER'S GUIDE

This guide lists differences between the COBOL language described in the Reference Guide (308-222) and the COBOL actually implemented on a particular computer. The guide includes an explanation of how to compile, link, load, debug, and run COBOL. 78 pgs.  
**308-223 \$40.00**

## LPI-COBOL™ REFERENCE MANUAL

This manual describes the COBOL language as implemented by Language Processors. It is designed to be a reference document, not a tutorial. 357 pgs.  
**308-222 \$40.00**

## COBOL SYNTAX CHECKER USER'S BROCHURE

This user's guide is primarily intended for on the job use to assist trained personnel in the development of COBOL programs. 60 pgs.  
**301-960 \$50.00**

## MBASIC® HANDBOOK

This book is a wealth of information for users unfamiliar with a computer. It is a clear, concise tutorial describing computer applications in business, educational, and personal environments. 457 pgs.  
**308-271 \$17.95**

## BASIC LANGUAGE RELEASE 1.0 SOFTWARE RELEASE DESCRIPTION

This release contains information on available documentation, comments on compatibility with other dialects of Basic, and a list of known deficiencies not otherwise documented. 8 pgs.  
**308-027 \$10.00**

## BASIC LANGUAGE RELEASE 1.0 SOFTWARE RELEASE DESCRIPTION FOR THE 3B2 COMPUTER

This document provides information on available documentation, comments on compatibility with other dialects of Basic, installation procedures, and known deficiencies. 12 pgs.  
**308-032 \$25.00**

## BASIC LANGUAGE RELEASE 1.1 SOFTWARE RELEASE DESCRIPTION

This bulletin describes the UNIX® System Basic Software Release 1.1. 12 pgs.  
**308-030 \$25.00**

## BASIC INTERPRETER RELEASE 1.1 SOFTWARE INFORMATION BULLETIN

This bulletin describes UNIX® System Basic Software Release 1.1. In addition to describing the installation procedure, this document provides information on available documentation. 9 pgs.  
**305-388 \$2.50**

## BASIC LANGUAGE USER'S GUIDE

This document is for Basic language users. This guide is designed for experienced users of standard Basic syntax. 46 pgs.  
**308-270 \$25.00**

### A PRACTICAL INTRODUCTION TO PASCAL

Written by Wilson and Addyman, this second edition is directed both at beginners and experienced programmers wishing to learn Pascal. With a progressive, practical approach, simple illustrative problems are used to introduce control constructs, expressions, and the simple use of procedures. The language is described using syntax diagrams and complete examples are used to illustrate each feature of the language. 239 pgs.  
**308-235 \$14.95**

### PASCAL COMPILER USER'S GUIDE

This guide is designed to help users familiarize themselves with the UNIX® Pascal Compiler. 32 pgs.  
**308-228 \$25.00**

### PASCAL COMPILER RELEASE 1.0 SOFTWARE INFORMATION BULLETIN FOR THE 3B2 COMPUTER

This document provides important information concerning release 1.0 of the UNIX® Pascal Compiler and its installation. 3 pgs.  
**305-393 \$15.00**

### FORTRAN 77 XLA + PROGRAMMING LANGUAGE UTILITIES PROGRAMMER'S MANUAL FOR THE 3B2/3B15 COMPUTERS

This manual describes the use of Fortran 77 XLA + on the UNIX® System and provides a description of Fortran 77 XLA + 's extension to ANSI Fortran 77. It assumes the programmer is familiar with the Fortran Programming Language. 85 pgs.  
**308-285 \$50.00**

### FORTRAN 77 REFERENCE MANUAL

This is a reference manual for UNIX® System Fortran 77, Release 1.1. Included is information on creating, compiling, and debugging Fortran 77. Information is also available about calling Fortran routines from C and C routines from Fortran. 278 pgs.  
**308-278 \$55.00**

### ASSEMBLY LANGUAGE PROGRAMMING MANUAL

This manual is intended for 3B Computer users with a need to program in assembly language. Emphasis is on the WE® 32100 Microprocessor and its floating point support. Assembler and disassembler options are presented along with a description of assembler directive and macro processing facilities. 440 pgs.  
**305-000 \$30.00**

### ASSEMBLY LANGUAGE REFERENCE MANUAL

This manual provides a detailed description of the assembly language instructions and the principles of assembly language programming for the 3B20 Computers. It describes each instruction and its use and provides a quick reference guide of all assembly instructions. 425 pgs.  
**303-220 \$55.00**

### S: AN INTERACTIVE ENVIRONMENT FOR DATA ANALYSIS & GRAPHICS

This book describes the S Language, a high level language for specifying computations. It includes a case study, a tutorial introduction, a section describing basic concepts of the language, and information on more detailed documentation of the S function. 550 pgs.  
**308-090 \$23.95**

### EXTENDING THE S SYSTEM

Written by Richard Becker and John Chambers, this book describes how to extend the capabilities of S by writing new functions. It assumes familiarity with the UNIX® System and programming experience. 166 pgs.  
**308-091 \$14.95**

### 3B20 COMPUTERS

### 3B20 COMPUTER SITE PREPARATION MANUAL

The planning information in this manual can be used to prepare the site for installation of the 3B20 Computer. Worksheets, layout aids, and a checklist are furnished to assist designing the computer configuration. 56 pgs.  
**303-214 \$25.00**

### 3B20 COMPUTER INSTALLATION SERIES

This set of manuals is to be used with the 3B20 Computer. The set includes the Operational Test Procedures Guide (303-250), the Basic Installation Guide (303-246), the Feature Additions Guide (303-247), the Peripherals Guide (303-248), and finally the Reference and Diagnostic Aids Guide (303-249). 1147 pgs.  
**303-099 \$430.00**

### 3B20 COMPUTER OPERATIONAL TEST PROCEDURES GUIDE

This book guides the user through operational test procedures and preparation, error handling and troubleshooting, as well as directory structure and device driver files by using the System Integrity Exerciser (SIE) worksheet program. It also contains a sample Turnover Report. Includes an addendum. 100 pgs.  
**303-250 \$61.64**

### 3B20 COMPUTER BASIC INSTALLATION MANUAL

This manual describes the 3B20 Computer's distributed input/output (I/O) architecture, high-performance operation, self-diagnostic capabilities, and expansion features for system growth. This volume provides some basic operating, testing and maintenance information to support installation efforts. Includes an addendum. 591 pgs.  
**303-246 \$120.00**

### 3B20 COMPUTER FEATURE ADDITIONS MANUAL

This volume gives detailed instructions for expanding an existing 3B20 Computer by adding features. It is the source book for installing new features. Includes an addendum. 470 pgs.  
**303-247 \$110.00**

### 3B20 COMPUTER PERIPHERALS MANUAL

This manual details the installation, preliminary testing and maintenance of the system peripherals installed with the 3B20 Computer. Includes an addendum. 307 pgs.  
**303-248 \$90.00**

### 3B20 COMPUTER REFERENCE AND DIAGNOSTIC AIDS MANUAL

This manual contains reference and diagnostic material related to the installation of the 3B20 Computer. Includes an addendum. 319 pgs.  
**303-249 \$100.00**



**3B20 COMPUTER OFF-LINE  
MAINTENANCE GUIDE**

This guide describes off-line diagnostics (Issue 5.3) and trouble clearing procedures for maintaining the 3B20 Computers. 190 pgs.  
304-128 \$85.00

**3B20 COMPUTER MAIN STORE  
DETAILED DESCRIPTION**

This document is a detailed description of the main store (memory) in the 3B20 Model 1 Computers. 27 pgs.  
304-122 \$25.00

**3B20 COMPUTER MAIN STORE  
DETAILED DESCRIPTION**

This document is a detailed description of the main store (memory) in the 3B20 Model 2 Computers. It contains a description of the main store configuration, operation, and hamming circuit. 30 pgs.  
304-222 \$25.00

**3B20 COMPUTER DIRECT  
MEMORY ACCESS DETAILED  
DESCRIPTION**

This document is a detailed description of the direct memory access used in the 3B20 Model 1 Computers. 30 pgs.  
304-123 \$25.00

**3B20 COMPUTER POWER  
ORGANIZATION DETAILED  
DESCRIPTION**

This document is a detailed description of the power system of the 3B20 Model 1 Computers. 30 pgs.  
304-125 \$25.00

**3B20 COMPUTER POWER  
ORGANIZATION DETAILED  
DESCRIPTION**

This document is a detailed description of the power system for the 3B20 Model 2 Computers. It describes system power requirements, system power distributions, system grounding, and system power removal and restoration. 30 pgs.  
304-225 \$25.00

**3B20 COMPUTER CENTRAL  
CONTROL DETAILED  
DESCRIPTION**

This document is a detailed description of the Central Control (CC) used in the 3B20 Model 1 Computers. 72 pgs.  
304-121 \$100.00

**3B20 COMPUTER CENTRAL  
CONTROL DETAILED  
DESCRIPTION**

This document is a detailed description of the central control for the 3B20 Model 2 Computers. It describes the subunits located in the general computer unit, the maintenance channel, the emergency action interface, and the dual access utility circuit. 32 pgs.  
304-221 \$30.00

**3B20 COMPUTER I/O  
PROCESSOR AND  
PERIPHERALS DETAILED  
DESCRIPTION**

This document discusses in detail the 3B20 Model 1 Computer Input/Output Processor and peripherals. 25 pgs.  
304-124 \$45.00

**3B20 COMPUTER I/O  
PROCESSOR AND  
PERIPHERALS DETAILED  
DESCRIPTION**

This document is a functional description of the Input/Output Processor organization and the peripherals of the 3B20 Model 2 Computers. It assumes the reader is familiar with the information in the system description document. 30 pgs.  
304-224 \$25.00

**3B20 COMPUTER OPERATOR  
TERMINAL PERIPHERAL  
CONTROLLER (TN983)  
PAMPHLET**

This pamphlet will increase the interactive user's knowledge and expertise with its information on the operator terminal peripheral controller (TN983). 23 pgs.  
304-056 \$10.00

**3B20 COMPUTER DISK FILE  
CONTROLLER DETAILED  
DESCRIPTION**

This document is for any user who wishes to learn more about the disk file controller (DFC) and moving head disk drives in the 3B20 Model 1 Computers. 30 pgs.  
304-126 \$45.00

**3B20 COMPUTER DISK FILE  
CONTROLLER DETAILED  
DESCRIPTION**

This document is a detailed description of the disk file controller and an overview of the disk file controller firmware used in the 3B20 Model 2 Computers. 30 pgs.  
304-226 \$30.00

**3B20 COMPUTER 340 MB DISK  
DRIVE PAMPHLET**

This pamphlet will increase the knowledge and expertise of the user with its information on the 340-Mbyte disk drive. 24 pgs.  
304-052 \$10.00

**3B20 COMPUTER 6250 BPI  
TAPE UNIT PAMPHLET**

This pamphlet is designed to increase the knowledge and expertise of the 3B20 Computer user. It contains information on the high-performance, high-density 6250 bits per inch (bpi) tape facility. 26 pgs.  
304-050 \$20.00

**3B20 COMPUTER 6250 PHASE  
III TAPE PAMPHLET**

This pamphlet will increase the knowledge and expertise of the 3B20 Computer operator with its information on the 6250/1600 bit per inch (bpi) dual density streaming tape facility. 24 pgs.  
304-053 \$10.00

**3B20 COMPUTER FLOATING  
POINT MANUAL**

This pamphlet is a tool to increase the knowledge and expertise of the 3B20 Computer user. It contains information on the hardware floating point unit. 21 pgs.  
304-051 \$20.00

**3B20 COMPUTER IS25  
ASSEMBLY MANUAL**

This manual contains information on: assembly language, data information, registers, addressing modes, assembly errors, and exceptional conditions instruction. 175 pgs.  
304-027 \$75.00

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
SOFTWARE RELEASE  
DESCRIPTION**

This description of UNIX® System V Release 2.0 for the 3B20 Model 1 and 2 Computers provides additional peripheral support. Includes an addendum. 133 pgs.  
307-009 \$30.00

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
MACHINE READABLE  
DOCUMENTATION SOFTWARE  
RELEASE DESCRIPTION**

This is a description of the source of the UNIX® System V Release 2.0 3B20 Computer documentation. 35 pgs.  
307-051 \$20.00

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
ADMINISTRATOR'S GUIDE**

This guide is a reference volume for those who administer a UNIX® System on a 3B20 Computer. Includes an addendum.

185 pgs.  
**307-104 \$35.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
ADMINISTRATOR'S  
REFERENCE MANUAL**

This manual supplements the information contained in the User's Reference Manual (307-110) and provides an easy reference volume for administering a UNIX® System. Includes an addendum.

135 pgs.  
**307-112 \$23.50**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
ERROR MESSAGE REFERENCE  
MANUAL**

This manual provides a description of all UNIX® System V Release 2.0 3B20 Computer error messages with appropriate actions and references for each.

280 pgs.  
**307-115 \$20.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
OPERATOR'S GUIDE**

This guide contains a description of console operations and step-by-step instructions for operator duties. Includes an addendum.

50 pgs.  
**307-105 \$18.50**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
PROGRAMMER'S REFERENCE  
MANUAL**

This manual describes the programming features of the UNIX® System V Release 2.0 for the 3B20 Computer. Includes an addendum.

293 pgs.  
**307-116 \$28.50**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
USER'S REFERENCE MANUAL**

This manual describes the features of the UNIX® System. It is divided into two sections: commands/application programs and games. Includes an addendum.

327 pgs.  
**307-110 \$45.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
VERSION 3 PRODUCT  
OVERVIEW**

This product overview describes the UNIX® System V Release 2.0 Version 3 for 3B20 Computers and its features.

8 pgs.  
**307-028 \$10.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
VERSION 3 INSTALLATION  
GUIDE AND RELEASE NOTES**

This document describes the installation procedures for the UNIX® System V Release 2.0 Version 3 for the 3B20 Computers.

8 pgs.  
**307-048 \$10.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0.3  
VERSION 3 PRODUCT  
OVERVIEW**

This book is an overview of the features and documents available with UNIX® System V Release 2.0.3 Version 3.

9 pgs.  
**307-035 \$20.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
VERSION 3 SUPPLEMENT**

This supplement details the documentation changes of UNIX® System V Release 2.0 Version 3 for the 3B20 Computer. These pages replace all or parts of the Administrator's Guide (307-104), Administrator's Reference Manual (307-112), Programmer's Reference Manual (307-116), and User's Reference Manual (307-110).

200 pgs.  
**307-222 \$25.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
VERSION 4 SUPPLEMENT**

This supplement details the documentation changes of UNIX® System V Release 2.0 Version 4 for the 3B20 Computer. The contents of this supplement replace all or parts of the Administrator's Guide (307-104), Programmer's Guide (307-103), Administrator's Reference Manual (307-112), Programmer's Reference Manual (307-106), User's Reference Manual (307-110), and the Error Message Reference Manual (307-115).

260 pgs.  
**307-221 \$35.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.1.1  
PRODUCT OVERVIEW**

This release describes the features of the UNIX® System V Release 2.1.1 for the 3B20 Computer and the following new features: streaming tape without tape controller, binary UNIX® System, tunable character I/O priority, source code package, mandatory file and record locking, file system hardening, tunable number of open files, upgraded commands, C Compilation System (CCS), windowing utilities, and system fixes.

18 pgs.  
**307-263 \$10.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.1  
HARDWARE DESCRIPTION**

This document contains a detailed description of the 3B20 Computer hardware. It assumes familiarity with the system description for the respective computer.

340 pgs.  
**303-210 \$75.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.1  
DOCUMENTATION ROADMAP**

This guide advises the user of available documents and explains how to order them. The user learns how documents are related to one another and how to identify the document needed for a particular task.

68 pgs.  
**303-200 \$15.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.1  
OPERATIONS AND  
ADMINISTRATION GUIDE**

This guide provides instructions for operating and administering UNIX® System V Release 2.1 on 3B20 Computers. The text is for system administrators and computer operators and assumes at least two years of computer science or training.

400 pgs.  
**307-251 \$75.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.1  
ADMINISTRATOR'S  
REFERENCE MANUAL**

This manual is a supplement to the information contained in the UNIX® System V User's Reference Manual (307-257). It is divided into three sections: system maintenance commands and application programs, and special files and system maintenance procedures.

150 pgs.  
**307-252 \$45.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.1  
ERROR MESSAGE REFERENCE  
MANUAL**

This manual is designed to provide a description of all error messages along with appropriate actions and references for each.

150 pgs.  
**307-254 \$35.00**

**3B20 COMPUTER UNIX®  
SYSTEM V RELEASE 2.1  
PROGRAMMER'S REFERENCE  
MANUAL**

This manual describes the programming features of the UNIX® System. It is divided into four sections: system calls, subroutines, file formats and miscellaneous facilities.

500 pgs.  
**307-256 \$50.00**

### 3B20 COMPUTER UNIX® SYSTEM V RELEASE 2.1 SUPPORT TOOLS GUIDE

This volume describes the various software tools that aid the UNIX® System user. 400 pgs.  
307-261 \$60.00

### 3B20 COMPUTER UNIX® SYSTEM V RELEASE 2.1 EDITING GUIDE

The following editor programs are provided by the UNIX® System and are presented in tutorial fashion in this guide: *ed*, *vi*, *ex*, *sed*, and *bfs*. 250 pgs.  
307-258 \$45.00

### 3B20 COMPUTER UNIX® SYSTEM V RELEASE 2.1 USER'S REFERENCE MANUAL

This manual describes the features of the UNIX® System. It is divided into two sections: commands/application programs and games. 500 pgs.  
307-257 \$45.00

### 3B20 COMPUTER UNIX® SYSTEM V RELEASE 2.1 VERSION 3 PRODUCT OVERVIEW

This release describes the features of Versions 1 and 2 and introduces the new features of Version 3. 16 pgs.  
307-030 \$10.00

### 3B20 COMPUTER UNIX® SYSTEM V RELEASE 2.1 VERSION 3 RELEASE NOTES

This document describes the installation procedures of the UNIX® System V Release 2.1 Version 3 for the 3B20 Computer. 17 pgs.  
307-060 \$10.00

### 3B20A COMPUTER UNIX® SYSTEM V RELEASE 2.0 SYSTEM DESCRIPTION

This document describes the configuration, features, hardware, and functions of the 3B20A Model 1 Computer. Includes an addendum. 118 pgs.  
304-109 \$65.00

### 3B20A COMPUTER UNIX® SYSTEM V RELEASE 2.0 SYSTEM DESCRIPTION

This is a general overview of the configuration capabilities, hardware, and functions of the 3B20A Model 2 Computer. 30 pgs.  
304-209 \$30.00

### 3B20A COMPUTER UNIX® SYSTEM V RELEASE 2.1 SYSTEM DESCRIPTION

This book describes the benefits of the 3B20A Computer. It also contains Technical Specification Sheets for the software and hardware. 38 pgs.  
303-205 \$25.00

### 3B20A COMPUTER SYSTEM INDEX

This index lists the documents available to a user of the 3B20A Model 1 Computer. It also serves as a quick reference to the material contained in the documents. 34 pgs.  
304-102 \$30.00

### 3B20A COMPUTER SYSTEM INDEX

This index lists the documents available to a user of the 3B20A Model 2 Computer. 34 pgs.  
304-202 \$20.00

### 3B20A COMPUTER ON-LINE AND OFF-LINE DIAGNOSTICS USER'S GUIDE

This guide describes on-line and off-line diagnostics and procedures. It provides sufficient information to diagnose most fault conditions when they occur, make the necessary changes or repairs, and return the computer to its normal operating condition. Includes an addendum. 360 pgs.  
304-104 \$130.00

### 3B20A COMPUTER SYSTEM MAINTENANCE GUIDE

This guide provides plans and procedures for maintaining the 3B20A Model 1 Computer. Routine maintenance procedures and an addendum are included. 98 pgs.  
304-111 \$50.00

### 3B20A COMPUTER SYSTEM MAINTENANCE GUIDE

This guide provides plans and procedures for maintaining the 3B20A Model 2 Computer to assure that the computer is kept operational. 118 pgs.  
304-211 \$70.00

### 3B20A COMPUTER ON-LINE MAINTENANCE GUIDE

This guide describes the on-line diagnostics and troubleshooting procedures for maintaining the 3B20A Model 1 Computer. It provides information to isolate fault conditions, make the necessary changes for repairs, and return the computer to its normal operation. 190 pgs.  
304-129 \$75.00

### 3B20S COMPUTER UNIX® SYSTEM V RELEASE 2.0 SYSTEM DESCRIPTION

This document describes the configurations, features, hardware, and functions of the 3B20S Model 1 Computer. Includes an addendum. 67 pgs.  
304-108 \$65.00

### 3B20S COMPUTER UNIX® SYSTEM V RELEASE 2.0 SYSTEM DESCRIPTION

This document describes the configurations, features, hardware, and functions of the 3B20S Model 2 Computer. 98 pgs.  
304-208 \$25.00

### 3B20S COMPUTER UNIX® SYSTEM V RELEASE 2.1 SYSTEM DESCRIPTION

This book describes the 3B20S Computer System. It lists and describes the features and benefits of the system such as its affordability, flexibility, and capabilities. 36 pgs.  
303-204 \$25.00

### 3B20S COMPUTER SYSTEM INDEX

This index lists the documents available to a user of the 3B20S Model 1 Computer. 35 pgs.  
304-101 \$25.00

### 3B20S COMPUTER SYSTEM INDEX

This index lists documents available to the user of the 3B20S Model 2 Computer. 32 pgs.  
304-201 \$25.00

### 3B20S COMPUTER CO-LOCATION AND DUAL PORTING

This pamphlet aids the customer in configuring the basic 3B20S Processor System with available and supported options. It also increases the knowledge and expertise of the system administrator in monitoring and controlling the configuration. 32 pgs.  
301-956 \$5.00

### 3B20S COMPUTER SYSTEM MAINTENANCE GUIDE

This guide's strategies and procedures for maintaining the 3B20S Model 1 Computer assure that the computer is kept operational. Includes an addendum. 96 pgs.  
304-110 \$55.00

### 3B20S COMPUTER SYSTEM MAINTENANCE GUIDE

This guide's strategies and procedures for maintaining the 3B20S Model 2 Computer assure that the computer remains operational. 118 pgs.  
304-210 \$55.00

### 3B20S COMPUTER ON-LINE MAINTENANCE GUIDE

This guide describes on-line diagnostics and troubleshooting procedures for maintaining the 3B20S Model 1 Computer. 176 pgs.  
304-127 \$70.00



**3B20S COMPUTER ON-LINE  
MAINTENANCE GUIDE**

The guide is a description of on-line diagnostic information and trouble clearing procedures for users who perform maintenance on the 3B20S Model 2 Computer. This information enables the user to isolate fault conditions, make the necessary changes or repairs, and return the system to its normal operating condition. 57 pgs.  
**304-227 \$85.00**

**3B20S COMPUTER ON-LINE  
AND OFF-LINE DIAGNOSTICS  
USER'S GUIDE**

This guide is a description of on-line and off-line diagnostics and procedures used to maintain the 3B20S Model 1 Computer. It provides information to diagnose most fault conditions when they occur, make necessary changes or repairs, and return the computer to its normal operating condition. Includes an addendum.

310 pgs.  
**304-103 \$130.00**

**3B20D COMPUTER SITE  
PREPARATION MANUAL**

This guide outlines planning information necessary to install the 3B20D Model 3 Computer. 23 pgs.  
**303-102 \$20.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM INPUT MESSAGES  
MANUAL VOLUMES 1-3**

This manual describes the human-machine interface language messages available with the 3B20D input channels. It is designed as a reference for work center personnel and support groups whose applications communicate with the UNIX® RTR System on the 3B20D Processor. 1303 pgs.  
**303-082 \$425.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM OUTPUT MESSAGES  
MANUAL VOLUMES 1-6**

This manual describes the messages available with the 3B20D Input/Output (I/O) channels. It is a reference for work center personnel and support groups whose applications send and receive messages from the UNIX® RTR System on the 3B20D Processor.

2336 pgs.  
**303-083 \$400.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM INPUT**

**MESSAGES-PDS VOLUMES 1-3**  
 This three volume set describes all input messages available on the maintenance interface channels of the 3B20D Computer. The input messages documented in these manuals adhere to the Program Documentation Standards (PDS). These volumes are designed to be used with the Output Message Manuals (303-081). All input messages documented in this set represent the supported messages for all generics issued up to and including Generic 3. 1303 pgs.  
**303-080 \$360.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM OUTPUT**

**MESSAGES-PDS VOLUMES 1-6**  
 This six volume set describes the messages available on the 3B20D Computer Input/Output (I/O) channels. It is a reference for work center personnel and support groups whose applications send and receive messages. The set is divided into four sections. Section One explains the purpose of the manual and gives a brief overview of output message functions. Section Two contains instructions to guide the user in interpreting message formats and descriptions. Section Three is an alphabetical output message index. Finally, Section Four contains the message documentation presented in alphabetical order by message name.

2336 pgs.  
**303-081 \$635.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM RESOURCES  
ENGINEERING GUIDE**

This guide helps the user understand and engineer the system resources that are a part of the UNIX® RTR System. This issue covers the system resources available with Release 1. 97 pgs.  
**303-073 \$15.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM PROCESSOR  
RECOVERY MESSAGES GUIDE**

This guide to the Processor Recovery Messages (PRMs) produced during a 3B20D Computer processor recovery helps the user interpret messages and correct faults. Includes an addendum.

416 pgs.  
**303-007 \$110.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM ERROR MESSAGES  
USER'S GUIDE**

This guide to the Control Unit (CU) error messages and automatic post-mortem dumps for Release 1 will help the user interpret the different types of error messages generated by the automatic fault recovery features. 125 pgs.  
**303-004 \$10.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM SOFTWARE  
TROUBLESHOOTING GUIDE**

This guide to debugging software running on the 3B20D Computer gives general information for debugging procedures. 275 pgs.  
**303-072 \$140.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM DIAGNOSTIC USER'S  
GUIDE**

This guide helps personnel use the diagnostic facilities of the 3B20D Computer. 95 pgs.  
**303-002 \$20.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM MAINTENANCE  
MANUAL**

This manual summarizes the corrective and preventative maintenance procedures for the 3B20D Computers. Software diagnostic capabilities are also discussed. 350 pgs.  
**303-009 \$45.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM AUDIT GUIDE**

This is a guide for users responsible for operating and maintaining the 3B20D Computer running under the UNIX® RTR System Release 1. It describes the system audits available to the user as well as the software integrity subsystem. 160 pgs.  
**303-006 \$50.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM RECENT CHANGE  
AND VERIFY MANUAL**

This is a guide for creating and maintaining the UNIX® RTR System, the 3B20D Computer, the Equipment Configuration Database (ECD), and the System Generation (SG) Database by using the Recent Change and Verify (RC/V) system and other database tools. 350 pgs.  
**303-010 \$75.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM UPDATE USER'S  
GUIDE**

This guides users responsible for maintaining a 3B20D Computer running the UNIX® RTR System Release 1. It describes system update concepts and defines procedures for implementing updates. 40 pgs.  
**303-014 \$25.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM FIELD UPDATE  
USER'S GUIDE**

This guide is for users responsible for maintaining the 3B20D Computer and running the UNIX® RTR System Release 1. It describes field update concepts and defines procedures for implementing updates. 43 pgs.  
**303-003 \$25.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM CRAFT INTERFACE  
USER'S GUIDE**

This guide is written for personnel responsible for operating and maintaining the 3B20D Computer. It summarizes the operation of the operator terminal (MCRT) and maintenance capabilities for the UNIX® RTR System Release 1 only. 80 pgs.  
**303-001 \$25.00**

**3B20D COMPUTER UNIX®  
REAL-TIME-RELIABLE (RTR)  
SYSTEM ASSEMBLY  
LANGUAGE USER'S GUIDE**

This provides users with a basic understanding of the 3B20D Computer assembly language and enables them to read and interpret assembly language listings. The three language types are described. 450 pgs.  
**303-012 \$100.00**

**3B5 COMPUTERS**

**3B5 COMPUTER  
INSTALLATION MANUAL**

This manual provides installation procedures for the 3B5 Computer and expansion features. Also included are basic operating, troubleshooting, and maintenance information. 440 pgs.  
**305-181 \$65.00**

**3B5 COMPUTER USER'S GUIDE**

This guide introduces the UNIX® System. It includes information on what the UNIX® System is, what must be understood to use it, how to log in and log off the system, and how to use some of its important features and commands. 234 pgs.  
**305-110 \$40.00**

**3B2/3B5 COMPUTER DRIVER  
DESIGN GUIDE**

This guide provides information to users designing device drivers. Knowledge of the UNIX® System and advanced C coding techniques is required. Includes an addendum. 413 pgs.  
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MANUAL**

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An advanced procedural guide for administrators of the 3B5 Computer, the book details administrative guidelines, instructions on setting up the UNIX® System, file system backup and restoring information, and UNIX® System accounting. Also included is information on file system checking, the LP spooling system, UNIX® System remote job entry, UUCP administration, and automatic call facility installation. Includes addendums. 256 pgs.  
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ADMINISTRATOR'S  
REFERENCE MANUAL**

A supplement to the information contained in the UNIX® System V User's Reference Manual (305-125), this manual provides an easy reference volume for those administering the UNIX® System. Contents include system maintenance commands and applications programs, special files and system maintenance procedures. Includes addendums. 518 pgs.  
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**3B5 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0  
USER'S REFERENCE MANUAL**

This manual describes the features of the UNIX® System and its operation on the 3B5 computer. Contents include: commands and applications programs, system calls, file formats, and miscellaneous facilities. Includes addendums. 512 pgs.  
305-125 \$60.00

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VERSION 2 PRODUCT  
OVERVIEW**

This document describes UNIX® System V Release 2.0 for the 3B5 Computer. 44 pgs.  
305-141 \$15.00

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VERSION 2 INSTALLATION  
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This guide includes installation procedures and release notes. 36 pgs.  
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VERSION 2  
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CONTROLLER RELEASE  
NOTES**

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SYSTEM V RELEASE 2.0.1  
VERSION 1 HIGH SPEED  
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RELEASE NOTES**

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**3B5 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0.1  
VERSION 2 RELEASE NOTES**

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**3B15 COMPUTER  
INSTALLATION MANUAL**

This document provides installation instructions for the 3B15 Computer and any expansion features. Sections included are: background information, installation procedures, expansion procedures, troubleshooting, and maintenance. 310 pgs.  
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RELEASE NOTES**

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NOTES**

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MANUAL**

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This information is required to set up and operate the Remote Job Entry (RJE) facility on the 3B15 Computer running UNIX® System V Release 2.1 or later. 90 pgs.  
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INTERFACE RELEASE NOTES**

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RELEASE NOTES**

This document describes the features of UNIX® System V Release 2.1.1 for the 3B15 Computer and provides installation instructions for binary and source code package users. Information concerning changes in technical data associated with previous releases is also included.

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MODEM MANUAL**

This manual discusses the Automatic Dial (AD) Modem used by the 3B2 Computer and the Basic Networking Utilities.

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This manual tells the user how to install the Enhanced Ports feature card, set up software, connect peripherals, and troubleshoot the card. Also included is design information such as operating limitations, pinout data, and other feature specifications. Includes addendum.

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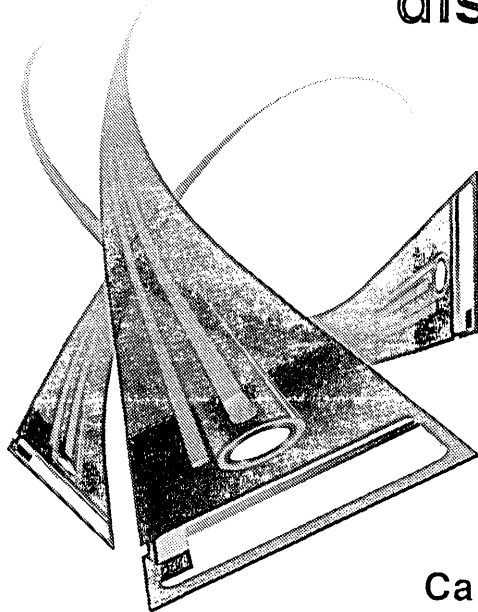
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This document provides valuable information concerning installation, software notes, and documentation for the Networking Support Utilities (NSU). 20 pgs.  
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This important information concerns the installation of the Text Support Package. This document must be read before attempting the installation procedure. 9 pgs.  
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### 3B2 COMPUTER UTILITIES GUIDE VOLUMES 1-3

These three volumes describe the operation, administration, and command syntax of the following thirteen utilities: basic networking, cartridge tape, directory and file management, editing, graphics, help, inter process communication, line printer spooling, performance measurements, security administration, source code control system, spell, and terminal filters. An index referencing the item name, utilities code, chapter number, and page number is given in volume three. 900 pgs.

305-506 \$90.00

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This guide describes the command syntax and use of the System Administration Utilities provided with the 3B2 Computer. Procedures for the administration of the computer are also described. 300 pgs.  
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This guide describes command syntax and use of the Security Administration Utilities provided with the 3B2 Computer. 25 pgs.  
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This guide explains how to use a cartridge tape drive to format a cartridge tape, save copies of files on a cartridge tape, reload saved files from a cartridge tape, obtain information about a cartridge tape, use the cartridge tape as an intermediate device to reorganize a file system, and copy file archives to and from the cartridge tape. The guide describes each command in the package and gives examples of use. In addition, it lists error messages and gives a general recovery procedure. 60 pgs.  
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### 3B2 COMPUTER TEXT SUPPORT PACKAGE HANDBOOK FOR NEW USERS

This reference handbook is designed for people with limited experience using the 3B2 Computer Text Support Package. It shows various files before and after formatting and explains the role of each request or macro in the "input" file. Annotated, concrete examples for *nroff*, *mm*, *tbl*, and *neqn* are provided. 14 pgs.  
310-013 \$12.00

### 3B2 COMPUTER TEXT SUPPORT PACKAGE HANDBOOK

This handbook for accomplished users reviews the commands and features of the Text Support Package Software. 30 pgs.  
310-012 \$12.00

### 3B2 COMPUTER TEXT SUPPORT PACKAGE USER'S GUIDE

This valuable information is needed to operate the Text Support Package programs. Its tutorials show how to use *mm*, a collection of macros used to format letters, reports, memoranda, etc.; *nroff*, a text formatter for typewriter printers and terminals; *tbl*, a program that produces simple and complex tables; and *difmk* and *chckmm* used to check and compare documents. 160 pgs.

310-010 \$50.00



### 3B2 COMPUTER TEXT SUPPORT PACKAGE TECHNICAL DISCUSSION AND REFERENCE MANUAL

This manual is divided into three parts. The first part is a technical discussion of the mm (Memorandum Macro) package and also covers troubleshooting and error messages. The second part is a technical discussion of *tbl*, a program used to produce simple and complex tables. The third section is a discussion on the text processor, *nroff*. 237 pgs.

310-011 \$50.00

### 3B2 COMPUTER REMOTE MANAGEMENT PACKAGE MANUAL

This manual describes the Remote Management Package feature for the 3B2 Computer. It provides information on installing, removing, testing, troubleshooting, administering, operating, and interfacing the Remote Management Package. 85 pgs.

305-455 \$20.00

### 3B2/300 COMPUTER READ ME FIRST

This important document details unpacking the carton, checking the contents for missing or damaged items, setting up the hardware, and using the other available documents, manuals, and guides needed for the 3B2 Computer. 35 pgs.

305-561 \$10.00

### 3B2/300 COMPUTER OWNER/OPERATOR MANUAL

This manual describes the set-up and operating procedures for the 3B2/300 Computer. Topics covered include system features, unpacking and setup, operation, troubleshooting, and documentation. Includes an addendum.

146 pgs.

305-400 \$25.00

### 3B2/300 COMPUTER UNIX® SYSTEM V RELEASE 2.0 PROGRAMMER'S REFERENCE MANUAL

This manual is divided into four sections and five subsections: system calls, subroutines, C Programming Language libraries, standard I/O library routines, mathematical library routines, specialized libraries, Fortran Programming libraries, file formats, and miscellaneous facilities. Includes an addendum. 412 pgs.

305-460 \$40.00

### 3B2/300 COMPUTER UNIX® SYSTEM V RELEASE 2.0 USER'S REFERENCE MANUAL

This book features descriptions of the UNIX® System and provides the basic information needed to get started on the UNIX® System: how to log in and log off, how to communicate through the terminal, and how to run a program. Includes an addendum. 284 pgs.

305-406 \$30.00

### 3B2/300 COMPUTER VERTICAL MOUNTING MANUAL

This booklet explains how to connect the 3B2/300 Computer to a vertical stand. 9 pgs.

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This manual contains the necessary information to connect the KS-23097, L1 Letter Quality Printer to the 3B2 Computer and to make sure the printer is working properly. 39 pgs.

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This manual contains the necessary information to connect the KS-23055, L1 Draft Quality Printer to the 3B2 Computer and to make sure the printer is working properly. 31 pgs.

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This manual details the migration of a 3B2/300 Computer to a 3B2/310 Computer. It also describes the procedures performed before and after the migration. 25 pgs.

305-482 \$10.00

### 3B2 COMPUTER MIGRATION TECHNICIAN MANUAL

This document describes how to migrate a 3B2/300 Computer to a 3B2/310 Computer. The manual covers preparation, loading new software releases, replacing system boards, and verifying system operations. 43 pgs.

305-481 \$10.00

### 3B2/310 COMPUTER READ ME FIRST

This document should be read before opening the 3B2/310 Computer. It demonstrates how to unpack the carton, check the contents, and set up the hardware. It also helps the user to understand how to use the other 3B2 documents, manuals, and guides. 38 pgs.

305-475 \$10.00

### 3B2/310 COMPUTER OWNER/OPERATOR MANUAL

This manual describes the standard and optional hardware, software, and firmware, and the key concepts and terminology. 75 pgs.

305-472 \$25.00

### 3B2/400 COMPUTER READ ME FIRST

Read this pamphlet before attempting to use the 3B2/400 Computer. It discusses selecting a location, unpacking, and a roadmap for getting started. 25 pgs.

305-500 \$5.00

### 3B2/400 COMPUTER OWNER/OPERATOR MANUAL

This manual explains how to set up and begin operating a 3B2/400 Computer. This manual should be used only after reading the 3B2/400 Computer Read Me First (305-500). 187 pgs.

305-501 \$55.00

### 3B2/400 COMPUTER UNIX® SYSTEM V RELEASE 2.0 SYSTEM ADMINISTRATOR'S REFERENCE MANUAL

This supplement to the information provided in the 3B2 Computer User Reference Manual (305-511) provides an easy reference volume for those who must administer a UNIX® System. 125 pgs.

305-512 \$20.00

### 3B2/400 COMPUTER UNIX® SYSTEM V RELEASE 2.0 PROGRAMMER'S REFERENCE MANUAL

This manual describes the programming features. It is divided into four sections: system calls, subroutines, file formats, and miscellaneous facilities. 350 pgs.

305-513 \$35.00

### 3B2/400 COMPUTER UNIX® SYSTEM V RELEASE 2.0 USER'S REFERENCE MANUAL

This manual describes all user commands for the 3B2 Computer. 350 pgs.

305-511 \$30.00

### 3B2/400 COMPUTER DUAL DISK UPGRADE MANUAL

This manual describes the procedure for upgrading the 3B2/400 Computer to a dual integral disk configuration. Includes an addendum. 48 pgs.

305-551 \$40.00

**3B2 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0****DOCUMENTATION ROADMAP**

This manual helps identify documents to use with the 3B2 Computer. It contains a variety of information about each document: title, prerequisites, audience, select code, summary of contents, and relationship to other documents.

125 pgs.  
305-470 \$10.00

**3B2 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0****OWNER/OPERATOR MANUAL**

This manual describes how to set up and operate the 3B2 Computer. It is designed for people who have limited computer experience. The manual discusses security, system administration menus, software utilities packages, and troubleshooting procedures.

85 pgs.  
305-562 \$50.00

**3B2 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0****SYSTEM ADMINISTRATOR'S  
GUIDE**

This guide describes procedures used to administer a 3B2 Computer running on UNIX® System V Release 2.0. It's a quick reference to administrative procedures.

350 pgs.  
305-477 \$55.00

**3B2 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0****SYSTEM ADMINISTRATOR'S  
REFERENCE MANUAL**

This manual supplements the information contained in the User's Reference Manual (305-479) and the Programmer's Reference Manual (305-473) and provides an easy reference volume for those who must administer a UNIX® System. It is divided into three sections: system maintenance commands and application programs, special files, and system maintenance procedures.

250 pgs.  
305-478 \$25.00

**3B2 COMPUTER UNIX®  
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MANUAL**

This manual describes the programming features of the UNIX® System. It contains five sections: commands, system calls, subroutines, file formats, and miscellaneous facilities.

350 pgs.  
305-473 \$55.00

**3B2 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0****USER'S REFERENCE MANUAL**

This manual describes the commands that constitute the foundational software running on the 3B2 Computer.

300 pgs.  
305-479 \$35.00

**3B2 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0****SOURCE CODE CONTROL  
SYSTEM UTILITIES GUIDE**

This guide describes the Source Code Control System (SCCS) available with the 3B2 Computer. It enables the user to easily find desired information without having to read the entire text.

62 pgs.  
305-436 \$5.00

**3B2 COMPUTER UNIX®  
SYSTEM V RELEASE 2.0****PERFORMANCE  
MEASUREMENT UTILITIES  
GUIDE**

This guide describes command format and the use of Performance Measurement Utilities.

65 pgs.  
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This guide is a reference volume for those who administer a UNIX® System on the SYS32™ Development System. The guide should be used to supplement the information contained in the UNIX® System V User Reference Manual (307-615), the UNIX® System V Programmer Reference Manual (307-617), and the UNIX® System V Administrator Reference Manual (307-616). 150 pgs.  
307-612 \$55.00

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This manual supplements the information contained in the UNIX® System V User Reference Manual (307-615) and provides an easy reference volume for those who administer a UNIX® System. Only those commands and descriptions appropriate for system administrators have been included. 150 pgs.  
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This manual describes the features of the UNIX® System. It also describes programs intended to be invoked directly by the user or by command language procedures. 250 pgs.  
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This document is a current listing of the UNIX® System features. It provides an overall description of the UNIX® System and describes the system performance improvements, new documentation, and transitional information. 195 pgs.  
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This document provides a Software Generation System component list, a release documentation list, ordering information, and technical tips. 8 pgs.  
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This guide is a reference volume for those who administer a UNIX® System. Topics covered include administrative advice, setting up the UNIX® System, system accounting, customer support and much more. 215 pgs.  
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These installation instructions for the host processors include an assembler reference manual and user command information for the components of the Software Generation System. 96 pgs.  
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This product overview describes the feature updates and improvements of the UNIX® System V/M 68000 Release 2.0 Version 1. 38 pgs.  
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This document contains information concerning problem areas in UNIX® System V/M 68000 Release 2.0 Version 1. It also identifies changes from earlier UNIX® System releases and provides a list of available documentation. 32 pgs.  
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**M68000 PROCESSORS UNIX® SYSTEM V RELEASE 2.0 ADMINISTRATOR'S GUIDE**

This guide is a reference volume for those who administer UNIX® System V/M 68000 Release 2.0 Version 1. It's a supplement to information contained in the User's Reference Manual (307-725), Programmer's Reference Manual (307-727), and Administrator's Reference Manual (307-726). 350 pgs.  
307-722 \$40.00

**M68000 PROCESSORS UNIX® SYSTEM V RELEASE 2.0 ADMINISTRATOR'S REFERENCE MANUAL**

This manual supplements the information contained in the UNIX® System V User's Reference Manual (307-725) and provides an easy reference volume for those who administer a UNIX® System V/M 68000. 522 pgs.  
307-726 \$35.00



**M68000 PROCESSORS UNIX®  
SYSTEM V RELEASE 2.0  
ERROR MESSAGE REFERENCE  
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This manual describes all UNIX® System V/M 68000 Release 2.0 error messages along with the appropriate actions and references for each. 44 pgs.  
**307-728 \$25.00**

**M68000 PROCESSORS UNIX®  
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This guide contains background information and working guidelines for operators of EXORmacs™ Systems, VM03 Systems, or VME/10 Microcomputer Systems. 54 pgs.  
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MANUAL**

This reference document describes the commands, facilities, and features of UNIX® System V/M 68000. It is divided into four sections: system calls, subroutines, file formats, and miscellaneous routines. 490 pgs.  
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SUPPLEMENT GUIDE**

This guide describes the various software tools that provide added dimension to the basic UNIX® System V/M 68000 Software commands. Topics covered include maintaining computer programs (*make*), augmented version of *make*, the *awk* programming language, desk calculator language (*bc*), and much more. 54 pgs.  
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**M68000 PROCESSORS UNIX®  
SYSTEM V RELEASE 2.0  
USER'S REFERENCE MANUAL**

This reference document describes the commands, facilities, and features of UNIX® System V/M 68000. It is divided into two sections. The commands and application programs section describes programs invoked directly by the user or by command language procedures. The games section describes the games and educational programs that reside in the directory */usr/games*. 440 pgs.  
**307-725 \$45.00**

**iAPX 286™ PROCESSORS UNIX®  
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ADMINISTRATOR'S GUIDE**

This is a reference volume for those who administer a UNIX® System on INTEL processors. The guide should be used to supplement the information contained in the UNIX® System V User Reference Manual (307-625), the UNIX® System V Programmer Reference Manual (307-627), and the UNIX® System V Administrator Reference Manual (307-626). Includes an addendum. 228 pgs.  
**307-622 \$70.00**

**iAPX 286™ PROCESSORS UNIX®  
SYSTEM V RELEASE 2.0  
ADMINISTRATOR'S  
REFERENCE MANUAL**

This manual supplements the information contained in the UNIX® System V User's Reference Manual (307-625) and provides an easy reference volume for those who administer a UNIX® System. It has three sections: system maintenance commands and application programs, special files, and system maintenance procedures. Includes an addendum. 165 pgs.  
**307-626 \$65.00**

**iAPx 286™ PROCESSORS  
UNIX® SYSTEM V RELEASE 2.0  
PROGRAMMER'S REFERENCE  
MANUAL**

This manual describes the programming features of the UNIX® System. It is divided into four sections: system calls, subroutines, file formats, and miscellaneous facilities. Includes an addendum. 717 pgs.  
**307-627 \$75.00**

**iAPX 286™ PROCESSORS UNIX®  
SYSTEM V RELEASE 2.0  
USER'S REFERENCE MANUAL**

This manual describes the features of the UNIX® System as they pertain to the INTEL Processors. Sections include commands and application programs, general purpose commands, communications commands, and graphics commands. 470 pgs.  
**307-625 \$70.00**

**ZILOG™ 8000 (Z8000) UNIX®  
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DESCRIPTION**

This release description contains a current list of the System V features and current information on documentation and transitional (System III to System V) concerns. 240 pgs.  
**301-998 \$40.00**

**ZILOG™ 8000 (Z8000) UNIX®  
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This guide is a reference volume for those who administer a UNIX® System. The sections in this guide cover administrative advice, setting up the UNIX® System, UNIX® System accounting, plus many other sections that are very significant to the Z8000 user. 215 pgs.  
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CONTENTS

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This manual defines how AT&T implements the Small Computer System Interface (SCSI) bus. It can be used to develop hardware and firmware products compatible with the AT&T implementation of SCSI. 385 pgs.  
**305-013 \$75.00**

**3B2 COMPUTER SMALL  
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INTERFACE (SCSI) RELEASE  
NOTES**

This manual includes descriptions of each utility, files and directories in each utility, and software and individual SCSI peripherals notes. Also included are SCSI Manual pages to be inserted in the 3B2 Computer Reference Manual. These pages support the new commands and existing modified commands. 90 pgs.  
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This manual provides information on the administration and operation of the 3B2 Small Computer System Interface (SCSI). 175 pgs.  
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**3B2 COMPUTER SMALL  
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**308-183 \$10.00**

**UNIX® SYSTEM V  
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WORKSTATION  
ADMINISTRATOR'S GUIDE**

This guide discusses the Interactive Planning Workstation (IPWS) in a UNIX® based system. It describes the IPWS's ability to manipulate data and generate interactive color graphic displays using a menu oriented interface. 145 pgs.

**308-182 \$35.00**

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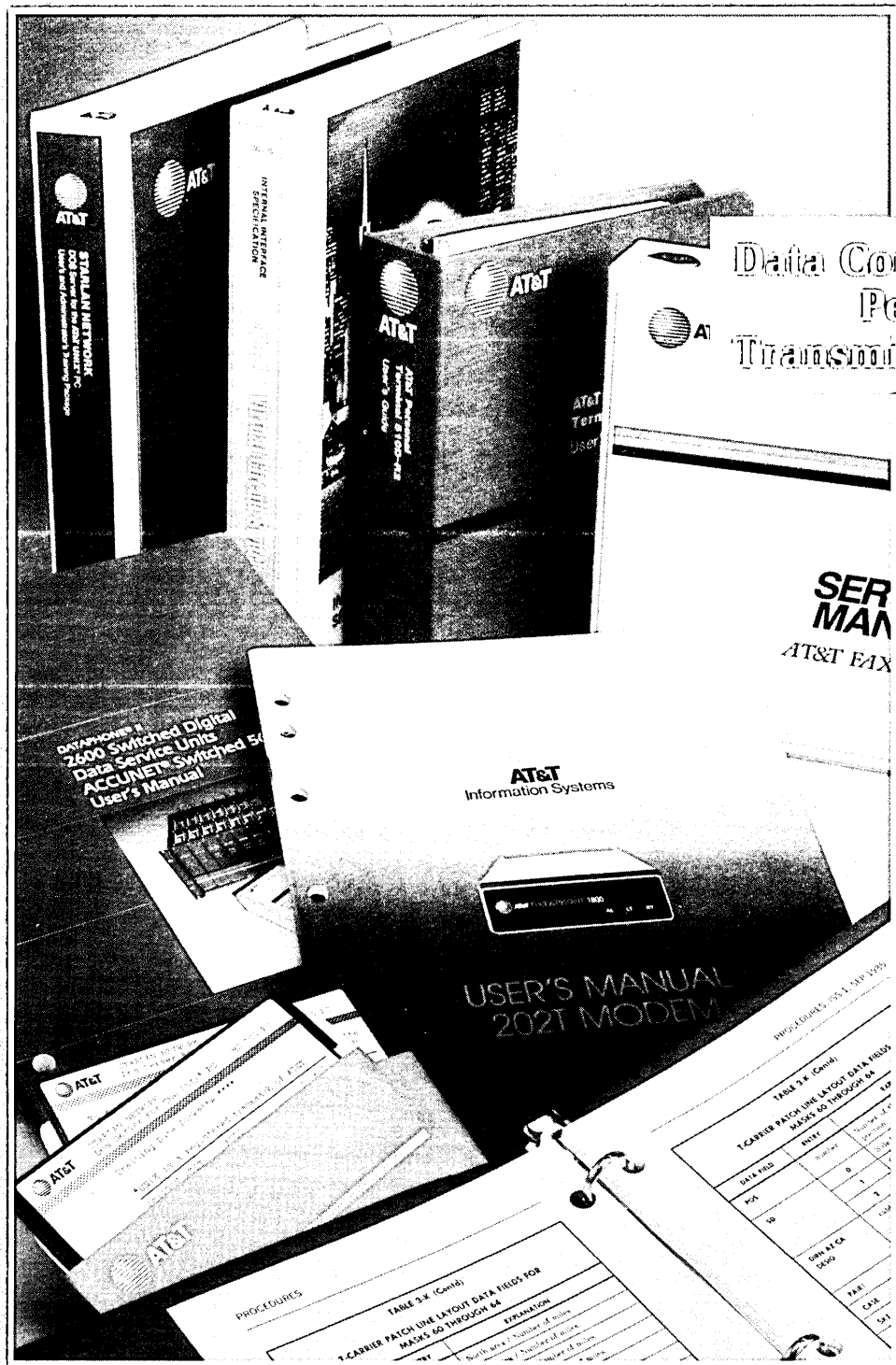
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PRINTER USER'S GUIDE**

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PRINTER USER'S GUIDE**

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115 pgs.

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PRINTER REFERENCE  
MANUAL**

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100 pgs.

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PRINTER USER'S GUIDE**

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288 pgs.

**930-274** \$43.80

**999-301-183IS AT&T 5310/5320  
PRINTER REFERENCE  
MANUAL**

This manual provides all instructions necessary to operate and install the 5310/5320 Printers.

97 pgs.

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GUIDE**

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157 pgs.

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**999-300-236IS AT&T 6571  
PRINTER USER'S GUIDE**

This guide describes the procedures for the operation and installation of the 6571 Printer. It also describes the location and function of the control panel keys.

75 pgs.

**930-236** \$20.40

**999-300-134 HOW TO OPERATE  
43 TELEPRINTER KSR  
STATIONS**

This manual provides instructions for operating 43 Teleprinter KSR Stations. Also discussed are connections, keyboard controls, establishing communications with distant terminals, and maintenance.

84 pgs.

**999-334** \$8.70

**999-301-134 HOW TO OPERATE  
43 TELEPRINTER RO  
STATIONS**

This document demonstrates how to operate the 43 Teleprinter RO Stations. Also discussed are connections, operational controls, status indicators, printer operation during communications with distant terminals, and maintenance.

28 pgs.

**990-334** \$28.20



## TERMINALS

**GUIDES TO AT&T'S  
INFORMATION SYSTEMS  
PRODUCTS AND SERVICES  
SERIES: DATA TERMINAL  
EQUIPMENT**

This guide provides extensive information on AT&T's peripherals for businesses with computers that want to upgrade or add terminals, printers, protocol converters, or facsimile machines. It is an ideal companion to the Computer Systems Guide (500-728) providing additional detail on peripherals. 130 pgs.  
500-731 \$30.00

**GUIDES TO AT&T'S  
INFORMATION SYSTEMS  
PRODUCTS AND SERVICES  
SERIES: VIDEO INFORMATION  
SYSTEMS**

This guide describes video imaging applications and AT&T's extensive line of hardware and software products. 28 pgs.  
500-741 \$15.00

**VIDEO DISPLAY TERMINALS  
(VDT) HANDBOOK**

This AT&T Bell Laboratories guideline is "must" reading for people who work with VDTs or who are interested in the human factors of VDT-workstation design. This handbook guides the selection, installation, and use of new VDTs and VDT-related furniture. It also specifies the physical design of offices in which VDTs are used whether the offices are new or are to be remodeled. A general understanding of problems encountered in office environment design, especially those offices in which VDTs are significant office equipment items, is promoted. 75 pgs.  
350-049 \$12.00

**999-700-021 BUSINESS  
COMMUNICATION TERMINAL  
500 BCT USER'S GUIDE**

This manual provides instructions on how to operate the 500 Business Communications Terminal independent of the application. The instructions include turning the terminal on, location and use of the control keys and switches, keyboard local test, and display local test. 11 pgs.  
970-021 \$4.40

**999-300-252IS PERSONAL  
TERMINAL 510 USER'S GUIDE**

This guide is organized to help the customer begin using the 510 Personal Terminal quickly. The sections discuss installation, terminal operations, and major terminal functions. 78 pgs.  
930-252 \$22.00

**999-306-252IS PERSONAL  
TERMINAL 510 TECHNICAL  
REFERENCE MANUAL**

This manual describes the 510 Personal Terminal. It provides information concerning the operation, screen based functions, and options. Includes an addendum. 97 pgs.  
936-252 \$18.02

**999-300-250IS PERSONAL  
TERMINAL 510A USER'S  
GUIDE**

This guide describes how to set up and use the 510A Personal Terminal. 232 pgs.  
930-250 \$32.60

**999-306-250IS PERSONAL  
TERMINAL 510A TECHNICAL  
REFERENCE MANUAL**

This technical reference for the 510A Personal Terminal provides a description of the features and operation of the terminal in terms geared toward a programmer, technician, or engineer. The sections of the manual include: physical and operational descriptions, screen-based functions, data terminal operation, replacement part and documentation ordering information, and electrical and environmental specifications. Includes an addendum. 100 pgs.  
936-250 \$19.80

**999-300-253IS PERSONAL  
TERMINAL 510D-R2 USER'S  
GUIDE**

This guide describes how to set up and use the 510-R2 Personal Terminal. Included are installation, introduction, and how-to-use instructions as well as an addendum. 178 pgs.  
930-253 \$45.14

**999-300-255IS PERSONAL  
TERMINAL 510D-R2  
TECHNICAL REFERENCE  
MANUAL**

This manual describes the 510D-R2 Personal Terminal. Sections in the manual introduce and discuss screen-based functions, options, and operations. 95 pgs.  
930-255 \$16.50

**999-700-493IS BUSINESS  
COMMUNICATION TERMINAL  
513 TECHNICAL REFERENCE  
MANUAL**

This manual is divided into sections detailing the components and operation of the terminal. Sections discussed are the terminal, display, keyboard, screen labeled keys, options, operation system use, and miscellaneous information. This manual is designed for systems personnel who need in-depth knowledge of the terminal's actions and responses. 85 pgs.  
970-493 \$5.20

**999-700-492IS BUSINESS  
COMMUNICATION TERMINAL  
515 DISPLAY TERMINAL  
TECHNICAL REFERENCE  
MANUAL**

This manual describes the 515 Business Communication Terminal (BCT). Included are instructions concerning the display, keyboard, options, and operation of the BCT. Working knowledge of this terminal is not needed to read this manual. 84 pgs.  
970-492 \$9.40

**999-300-270IS BUSINESS  
COMMUNICATION TERMINAL  
610 USER'S GUIDE**

This document provides the user with the information necessary to understand the operation of and user support for the 610 Business Communication Terminal (BCT). It provides step-by-step installation procedures as well. 90 pgs.  
930-270 \$18.60

**999-300-302IS AT&T 615  
MULTI-TASKING GRAPHICS  
TERMINAL USER'S GUIDE**

This document provides the necessary information to operate and install the 615 Multi-Tasking Graphics (MTG) Terminal. 250 pgs.  
930-302 \$40.20

**999-300-212IS AT&T 620  
MULTI-TASKING GRAPHICS  
TERMINAL POCKET  
REFERENCE GUIDE**

This document offers a convenient reference to the 620 Multi-Tasking Graphics (MTG) Terminal. It provides a list of in-depth documents that are available and thorough terminal descriptions. 47 pgs.  
930-212 \$8.50

**999-300-375IS AT&T 630  
MULTI-TASKING GRAPHICS  
TERMINAL USER'S GUIDE**  
This guide explains the installation, operation, and care for the terminal. Also included is a glossary and information on control characters, escape characters, and transmitted character codes. 178 pgs.  
**930-375 \$61.60**

**AT&T 2300/2350 VIDEO  
INFORMATION TERMINALS**  
This manual contains an in-depth look at the user interface, an overview of the hardware and software architectures, and a description of the protocols implemented by the 2300/2350 Video Information Terminals. 130 pgs.  
**330-093 \$127.00**

**999-310-180IS DATASPEED®  
4410 DISPLAY TERMINAL  
USER'S GUIDE**  
This manual contains information on the Dataspeed® 4410 Keyboard Display and its internal modem dialer. It is intended to aid a terminal user in understanding the operation of the terminal and the integrated modem dialer. 75 pgs.  
**990-180 \$10.20**

**999-312-180IS DATASPEED®  
4410 DISPLAY TERMINAL  
TECHNICAL REFERENCE  
MANUAL**  
This document contains information on the 4410 Keyboard Display Terminal and its internal modem dialer. It provides technical data on its operation and use in the working system. 130 pgs.  
**991-180 \$13.40**

**999-300-124IS  
ASYNCHRONOUS  
DATASPEED® 4420 KEYBOARD  
DISPLAY USER'S GUIDE**  
The purpose of this manual is to provide basic instructions on how to operate an Asynchronous 4420 Keyboard Display locally and interactively with other data terminals and/or computers. 28 pgs.  
**930-124 \$17.10**

**999-310-181IS DATASPEED®  
4425 DISPLAY TERMINAL  
USER'S GUIDE**  
This document provides the information necessary to operate the Dataspeed® 4425 Display Terminal and the optional integrated modem. 63 pgs.  
**990-181 \$33.80**

**999-307-139IS DATASPEED®  
4540 ENHANCED KEYBOARD  
DISPLAY USER'S GUIDE**  
This guide is an introduction to the Enhanced Dataspeed® 4540 Keyboard Display. It includes detailed instructions on how to install the terminal and information about specific features. The guide may be used as a reference when operating the terminal. 125 pgs.  
**937-139 \$17.00**

**999-300-140 DATASPEED® 4540  
USER'S GUIDE**  
This manual describes the 4540 Keyboard Display with external numeric cluster keyboard-turning. It also explains the audible alarm, variations, and troubleshooting. 75 pgs.  
**930-140 \$9.80**

**999-300-139 DATASPEED® 4548  
KEYBOARD DISPLAY USER'S  
GUIDE**  
This guide is an introduction to the Enhanced Dataspeed® 4548 Keyboard Display. Also included are detailed instructions on how to install the terminal and detailed information about specific features. The guide may be used as an operating reference. 125 pgs.  
**930-139 \$14.00**

**999-311-139IS ENHANCED  
DATASPEED® 4549-40  
KEYBOARD DISPLAY AND  
4549-42/4549-43 DISPLAY  
ONLY USER'S GUIDE**  
This guide is an introduction to the Enhanced Dataspeed® 4549 Keyboard Display. Included are detailed instructions on how to install the terminal and detailed information about specific features. The guide may be used as an operating reference. The guide also includes sections on routine maintenance and troubleshooting. 85 pgs.  
**933-139 \$30.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL PRODUCT  
OVERVIEW**  
This book contains an overview of the features and configuration of the 5620 Dot-Mapped Display (DMD) terminal. It also describes the dependencies and available documentation. 16 pgs.  
**306-145 \$5.00**

**999-300-127IS 5620  
DOT-MAPPED DISPLAY  
TERMINAL USER'S GUIDE**  
This manual summarizes and describes the installation, operation, and maintenance of the 5620 Dot Mapped Display. It also discusses terminal compatibility and modification, software packages, and available documentation. 45 pgs.  
**930-127 \$12.10**

**5620 DOT-MAPPED DISPLAY  
TERMINAL APPLICATION  
DEVELOPMENT PACKAGE  
SOFTWARE RELEASE  
DESCRIPTION**  
This document defines the Release 1.2 Application Development Utilities Package developed for the 5620 Dot-Mapped Display (DMD) terminal for use with the 3B2, 3B5, 3B20, and VAX® 11/750 and 11/780 computers. 52 pgs.  
**306-136 \$5.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.0  
USER'S GUIDE**  
This guide provides users of the 5620 Dot-Mapped Display (DMD) terminal with general operating information. 75 pgs.  
**306-120 \$30.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.0  
ADMINISTRATOR'S GUIDE**  
This guide describes how to load, install, and maintain the software for the 5620 Dot-Mapped Display (DMD) terminal. 100 pgs.  
**306-121 \$25.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.0 TEXT  
AND GRAPHICS APPLICATION  
GUIDE**  
This guide details the operation of the 5620 Dot-Mapped Display (DMD) terminal when using the text and graphics software. 32 pgs.  
**306-123 \$30.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.0  
SOFTWARE DEVELOPMENT  
APPLICATION GUIDE**  
This book is for the programmer who is familiar with the C Programming language and the UNIX® System. It shows how to custom design the 5620 Dot-Mapped Display (DMD) terminal to fit the needs of the user. 500 pgs.  
**306-122 \$55.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.1  
APPLICATION DEVELOPMENT  
PACKAGE SOFTWARE  
RELEASE DESCRIPTION**

This book defines the Application Development Software Utility Package developed for the 5620 Dot-Mapped Display (DMD) terminal. 40 pgs.  
**306-137 \$5.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.1 CORE  
UTILITIES PACKAGE  
SOFTWARE RELEASE  
DESCRIPTION**

This book defines the Core Software Utilities Package developed for the 5620 Dot-Mapped Display (DMD) terminal. 25 pgs.  
**306-133 \$20.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.1 TEXT  
AND GRAPHICS PACKAGE  
SOFTWARE RELEASE  
DESCRIPTION**

This document defines the Text Processing and Graphics Application Software Package developed for the 5620 Dot-Mapped Display (DMD) terminal. 32 pgs.  
**306-135 \$5.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.2  
MANUAL**

This manual contains descriptive information about the commands that are included with this option. Enough information is given to enable any experience level user to perform these tasks successfully. The hardware considerations for connecting a DMD terminal to a 3B2 Computer and the available software utilities are also given. 35 pgs.  
**305-448 \$25.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.2 TEXT  
AND GRAPHICS PACKAGE  
SOFTWARE RELEASE  
DESCRIPTION**

This book defines the Text Processing and Graphics Application Utilities Package developed for the 5620 Dot-Mapped Display (DMD) terminal. Includes an addendum. 28 pgs.  
**306-134 \$25.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.2 TEXT  
AND GRAPHICS UTILITIES  
SOFTWARE INFORMATION  
BULLETIN**

This bulletin provides important information concerning the Dot-Mapped Display Text and Graphics Processing Utilities. 13 pgs.  
**305-376 \$2.50**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.2  
APPLICATION DEVELOPMENT  
UTILITIES SOFTWARE  
INFORMATION BULLETIN**

This bulletin provides important information concerning the Dot-Mapped Display Applications Development Utilities. 17 pgs.  
**305-378 \$25.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.2 CORE  
UTILITIES PACKAGE  
SOFTWARE RELEASE  
DESCRIPTION**

This book defines the Release 1.2 Core Software Utilities Package developed for the 5620 Dot-Mapped Display (DMD) terminal. Includes an addendum. 43 pgs.  
**306-132 \$25.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 1.2 CORE  
UTILITIES SOFTWARE  
INFORMATION BULLETIN**

This bulletin provides important information concerning the Dot-Mapped Display Core Utilities. 18 pgs.  
**305-385 \$2.50**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0  
ADMINISTRATOR'S GUIDE**

This manual instructs the system administrator on how to load, install, and maintain the software for the 5620 Dot-Mapped Display (DMD) terminal. The system administrator should have prior experience with the UNIX® System. 30 pgs.  
**306-141 \$30.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0  
USER'S GUIDE**

This guide explains the operation of the 5620 Dot-Mapped Display (DMD) terminal when equipped with the Core Utilities Package. 150 pgs.  
**306-140 \$30.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0  
SOFTWARE DEVELOPMENT  
REFERENCE MANUAL**

This manual contains reference information for all the user commands and library routines used with the 5620 Dot-Mapped Display (DMD) terminal. 250 pgs.  
**306-144 \$30.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0  
SOFTWARE DEVELOPMENT  
APPLICATION GUIDE**

This guide assumes familiarity with the C Programming Language and the UNIX® System. It will orient the user with 5620 Dot-Mapped Display (DMD) terminal programming. 250 pgs.  
**306-142 \$55.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0 TEXT  
AND GRAPHICS PACKAGE  
INSTALLATION GUIDE AND  
RELEASE NOTES**

This document contains general installation guidelines, file lists, and known software exceptions with solutions for the Text and Graphics Package. 46 pgs.  
**306-148 \$10.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0 TEXT  
AND GRAPHICS APPLICATION  
GUIDE**

This guide explains the operation of the 5620 Dot-Mapped Display (DMD) terminal when using the Text and Graphics Package. This guide can be used by novice users. 32 pgs.  
**306-143 \$30.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0 CORE  
PACKAGE INSTALLATION  
GUIDE AND RELEASE NOTES**

This document contains general installation guidelines, file lists, and known software exceptions with solutions for the Core Utilities Package. 23 pgs.  
**306-146 \$5.00**

**5620 DOT-MAPPED DISPLAY  
TERMINAL RELEASE 2.0  
APPLICATION DEVELOPMENT  
PACKAGE INSTALLATION  
GUIDE AND RELEASE NOTES**

This document contains general installation guidelines, file lists, and known software exceptions with solutions for the Application Development Package. 42 pgs.  
**306-147 \$10.00**



**999-300-131 AT&T 6500****MULTI-FUNCTION  
COMMUNICATION STATIONS  
TECHNICAL REFERENCE**

This technical reference describes the 6500 family of clustered data terminals. Topics covered are: the system operation, station operation, and technical facts. 135 pgs.

**930-131 \$22.20**

**999-300-268 AT&T 6500****DISPLAYS USER'S POCKET  
REFERENCE**

This document is to be used as a quick reference and is not an all inclusive guide. It assumes that the user has read the appropriate User's Guide and provides procedures rather than exercises. 48 pgs.

**930-268 \$8.00**

**999-300-122 AT&T 6538/6539****DISPLAY USER'S GUIDE**

This guide provides installation and operating instructions for the 6538 or 6539 Display in a 6500 Station environment. It also provides user operating instructions. 192 pgs.

**930-122 \$20.20**

**999-300-130IS AT&T 6540****INFORMATION DISPLAY  
STATION BCS AND SNA/SDLC  
VERSION IMPLEMENTATION  
GUIDE**

This guide contains recommendations for implementation of a 6540 Information Display Station with remote processing systems using BSC or SNA/SDLC. 70 pgs.

**930-130 \$16.50**

**FAX MACHINES****999-300-280IS AT&T FAX 3510D  
USER'S GUIDE**

This guide explains how to use and maintain the 3510D Facsimile Transceiver. Sections include telephone requirements, installation, operation, reports and monitors, machine programming, compatibility, and general care. 90 pgs.

**930-280 \$17.20**

**050-101-011IS AT&T FAX 3510D  
SERVICE MANUAL**

This manual describes the installation, maintenance, adjustment, troubleshooting, and field replacement information needed to properly service the 3510D Facsimile Transceiver. 150 pgs.

**995-011 \$100.00**

**EMULATORS****3270 EMULATOR + PRODUCT  
OVERVIEW**

This document describes the 3270 Emulator+. Topics covered include features, system components, user-host communication, system layout, operating requirements and much more. 17 pgs.

**308-001 \$5.00**

**3270 EMULATOR + USER'S  
GUIDE**

This guide provides information for the operation of the 3270 Emulator+. It includes information covering the key functions, screen display, selection menu, documentation and error codes. 165 pgs.

**308-330 \$10.00**

**999-809-024IS 3270****EMULATOR + AND 3278  
TERMINAL USER'S GUIDE**

This manual explains using the ASCII terminal attached to the 3B Computer as an IBM® 3270 Display Station. It contains tutorial and reference information needed to understand the difference between the AT&T supported ASCII terminals and an IBM® Display Station. It should be used by terminal operators who are familiar with an IBM® Display Station. 85 pgs.

**989-024 \$2.77**

**3270 EMULATOR + SYSTEM  
ADMINISTRATOR'S AND  
APPLICATION  
PROGRAMMER'S GUIDE**

This book describes the procedures required to customize, administer and run the 3270 Emulator+ software. This guide covers five areas: SNA operation, BSC operation, running the 3287 Printer Emulator, setting up the user's environment, and terminal customization. 87 pgs.

**308-331 \$35.00**

**BSC/RJE EMULATOR + USER'S  
AND SYSTEM  
ADMINISTRATOR'S GUIDE  
FOR THE 3B2 COMPUTER**

This guide describes the user interface and the procedures for installing and maintaining BSC/RJE Emulator+ software on the 3B2 Computer. 67 pgs.

**308-208 \$40.00**

**BSC/RJE EMULATOR + USER'S  
AND SYSTEM  
ADMINISTRATOR'S GUIDE  
FOR THE 3B5 COMPUTER**

This guide describes the user interface and the procedure for installing and maintaining the BSC/RJE Emulator+ software on the 3B5 Computer. 61 pgs.

**308-209 \$40.00**

**3270 EMULATOR + RELEASE  
NOTES FOR THE 3B5/15  
COMPUTER**

These notes are divided into three sections: software notes, installation instructions, and removal instructions. These sections cover the use of software products, the installation of each of the three basic parts of the product, and how to run the tutorial package. 53 pgs.

**308-335 \$40.00**

**NETWORKS****GUIDES TO AT&T'S  
INFORMATION SYSTEMS  
PRODUCTS AND SERVICES  
SERIES: WIDE AND LOCAL  
AREA NETWORKS**

This guide provides a complete description of the Information Systems Network (ISN) and the Starlan Network. It is targeted at businesses who need to link computers and data networks locally or nationwide. For businesses purchasing computers, it is an excellent companion to the Computer Systems Guide (500-728) 45 pgs.

**500-737 \$30.00**

**AT&T INFORMATION SYSTEM  
NETWORK HOST INTERFACE  
SOFTWARE (HIS) USER'S  
REFERENCE CARD**

This reference card describes HIS applications and shows easy ways to use HIS. 2 pgs.

**308-316 \$5.00**

### **NETWORK TERMINAL EQUIPMENT CENTER (NTEC) TRANSITION PLANNING AND IMPLEMENTATION WORKBOOK**

This workbook provides descriptions on how to implement the Network Terminal Equipment Center (NTEC). It is targeted toward operating company managers. It contains worksheets for use in developing the necessary steps for implementation. The project functions covered in this workbook fall into three basic categories: planning, tracking, and cutover. These categories can be further defined into two phases: centralizing administration and mechanization. 94 pgs.

**500-924 \$101.00**

### **STARLAN**

### **999-100-401 STARLAN NETWORK VS. IBM® TOKEN RING NETWORK - COMPARATIVE OVERVIEW**

This document will provide readers with an analysis and comparison of the AT&T Starlan Network and the IBM® Token Ring. Included are comparisons of both network architectures, features, capabilities, communications gateways, interfaces, and costs. 19 pgs.

**910-401 \$5.00**

### **780-100-110 STARLAN NETWORK INSTALLATION AND MAINTENANCE GUIDE - VOLUMES 1 AND 2**

This comprehensive two volume set provides the information required to install and maintain the hardware components on the Starlan Network. Topics covered include: designing a network map, installing and setting up Network Access Units, installing the Network Extension Unit, wiring the Starlan Network, and maintenance and problem isolation. 228 pgs.

**991-110 \$100.00**

### **999-809-101 STARLAN NETWORK DESIGN GUIDE**

This guide provides necessary guidelines to design and configure a Starlan Network. Included is information on the guidelines for choosing Network Servers, PC configuration requirements, PC RAM requirements for network software, guidelines on the number of Network Servers and users per server, how to configure a Daisy Chain, Room Star, and Closet Star, using the network design form, and wiring the network. 75 pgs.

**989-101 \$25.00**

### **999-802-215 STARLAN NETWORK APPLICATION PROGRAMMER'S REFERENCE MANUAL**

This manual is intended for users who will be designing applications to run over the Starlan Network. It provides an overview of the Starlan Network and its architecture. It also provides technical details on the NETBIOS emulator, session level interrupts program interface, and UNIX® programming interface including session level functions, transport level functions, and server program support features. Included is a diskette containing sample programs which use the interface described. 287 pgs.

**982-215 \$100.00**

### **999-300-208 STARLAN NETWORK TECHNICAL REFERENCE MANUAL**

This manual contains functional reference information for the network hardware and protocols used with the Starlan Network. The information contained within the document is intended to aid customers who require a technical understanding of Starlan Network operations. Included are discussions on network software architecture, network hardware architecture, network protocols, and network access unit schematics. 130 pgs.

**930-208 \$85.00**

### **999-809-116 STARLAN NETWORK COURIER™ USER'S GUIDE**

This guide provides a comprehensive treatment on how to install and use the Network Courier™ - the DOS mail package for Starlan. It contains instructions on how to perform administrative functions such as installing the mail system, creating and managing user mailboxes, managing storage space and installing the notification option. Users are instructed on how to create mail, send mail, attach files to their mail messages, print mail, and use the mail monitor. 109 pgs.

**989-116 \$20.00**

### **999-809-106 STARLAN NETWORK EXTENSION UNIT INSTALLATION GUIDE**

This manual is directed to users who will be installing their own Network Extension Unit (NEU). It includes wall mounting NEUs, labeling NEUs, and interconnecting NEUs. 25 pgs.

**989-106 \$10.00**

### **999-809-107 STARLAN NETWORK REPEATER UNIT INSTALLATION GUIDE**

This manual provides users with the steps required to install the Network Repeater Unit (NRU). It includes mounting, labeling, and connecting the NRUs. 32 pgs.

**989-107 \$10.00**

### **999-809-104IS STARLAN NETWORK ACCESS UNIT INSTALLATION GUIDE FOR THE 3B2 COMPUTER**

This manual is intended to provide users with the steps involved in installing the Network Access Unit in the 3B2 Computer. It covers physical installation, options settings, and testing the NAU. 58 pgs.

**989-104 \$12.00**

### **999-809-118 STARLAN NETWORK USER'S AND ADMINISTRATOR'S TRAINING PACKAGE FOR THE UNIX® PC**

This training program instructs the user on Starlan Network operating procedures. Working on a UNIX® PC, the user will become familiar with its many features and learn how to configure the network, install the network hardware and software, administer and manage the network, and use the UNIX® PC on the network. It includes one diskette. 82 pgs.

**989-118 \$60.00**

**999-100-410 STARLAN  
NETWORK DOS SERVER  
USER'S AND  
ADMINISTRATOR'S TRAINING  
PACKAGE FOR THE UNIX® PC**

This package is designed to provide users and administrators of the DOS Server on the UNIX® PC with the basic skills required to use, administer and manage their server(s). Included in the package are a training diskette and hands-on exercises which guide the user through procedures for: installing the Starlan software and hardware, administering the network server, adding and deleting network users, monitoring server utilization, linking to network resources, and sharing files and printers. 170 pgs.  
**910-410 \$60.00**

**999-809-103 STARLAN  
NETWORK ACCESS UNIT  
INSTALLATION GUIDE FOR  
THE UNIX® PC**

This manual is intended to provide users with the steps involved in installing the Network Access Unit in their UNIX® PC. It covers physical installation, options setting, and testing the NAU. 25 pgs.  
**989-103 \$12.00**

**999-809-117 STARLAN  
NETWORK USER'S AND  
ADMINISTRATOR'S TRAINING  
PACKAGE FOR THE PC 6300**

This training program is designed for new users of the Starlan Network. Users will work hands-on with the network and become familiar with its many features. A training diskette is included and the package covers such topics as installing the network hardware and software, administering network services, sharing network resources, and using file and printer sharing services. 82 pgs.  
**989-117 \$60.00**

**999-809-102 STARLAN  
NETWORK ACCESS UNIT  
(NAU) INSTALLATION GUIDE  
FOR THE PC 6300**

This manual is intended to provide users with the steps involved in installing the Network Access Unit in the PC 6300 or compatible. It covers physical installation, options settings, and testing the NAU. 74 pgs.  
**989-102 \$12.00**

**3BNET**

**3BNET OVERVIEW**

This book briefly describes 3BNET. Sections included are: introduction, 3BNET description, 3BNET software compatibilities, and available documentation. 16 pgs.  
**306-118 \$10.00**

**3BNET USER'S GUIDE**

This document gives a detailed description of the 3BNET's operations. Included are descriptions of the NISEND command, application interface, and network error messages. 37 pgs.  
**306-103 \$50.00**

**3BNET RELEASE 2.0**

**OWNER/OPERATOR MANUAL**  
This document gives an overview of 3BNET. Sections covered include an overview, user interface, capabilities and functions, the remote log in command, maintenance and much more. 70 pgs.  
**306-110 \$30.00**

**3BNET RELEASE 2.2.1 NOTES  
FOR THE 3B2 COMPUTERS**

This document provides the release format and the software installation procedures for 3BNET Release 2.2.1. 8 pgs.  
**306-116 \$20.00**

**3BNET RELEASE 2.3.0 NOTES  
FOR THE 3B2 COMPUTERS**

This document provides the release format and the software installation procedures for 3BNET Release 2.3.0. 8 pgs.  
**306-124 \$20.00**

**3BNET UTILITIES SOFTWARE  
INFORMATION BULLETIN FOR  
THE 3B2/300 COMPUTER**

This bulletin provides important information concerning 3BNET Utilities. 6 pgs.  
**305-383 \$5.00**

**3BNET MANUAL FOR THE  
3B2/300 COMPUTER**

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This manual is a job aid for use with the Dimension<sup>®</sup> 100/400 PBX. It is directed at experienced craft persons. A supplement to existing Bell System Practices (BSPs) and Task Oriented Practices (TOPs), information is included for systems with Feature Packages 1, 2, 3, 4, 5, 10, and 15 in the areas of test points, wiring, and power. Includes an addendum.

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160 pgs.

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**954-135 \$7.50**

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**984-546 \$12.10**

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SET**

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**984-561 \$2.60**

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**COMMUNICATIONS SYSTEM  
MODELS 206, 410, AND 820  
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GUIDE**

This manual provides additional specific operating information for the business owner or office manager. It also includes a special section for the receptionist. 4 pgs.

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**COMMUNICATIONS SYSTEM  
MODEL 820 INSTALLATION  
GUIDE**

This guide describes how to install and test the Merlin® Communications System Model 820. The guide goes step-by-step through system installation from a preinstallation checklist to testing and troubleshooting the system. 37 pgs.

**951-810 \$1.50**



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COMMUNICATIONS SYSTEM  
MODEL 820 SERVICE AND  
MAINTENANCE MANUAL**  
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**105-132-211 MERLIN®  
COMMUNICATIONS SYSTEM  
MODELS 1030 AND 3070 CALL  
MANAGEMENT SYSTEM**  
This manual is intended for use by the supervisor or administrator who oversees the setup and operation of a Call Management System (CMS). It contains an overall description of the system, the concepts, procedures, and data needed to make the most of CMS. Includes (951-142). 367 pgs.  
**910-511 \$80.80**

**518-600-021IS MERLIN®  
COMMUNICATIONS SYSTEM  
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SERVICE AND MAINTENANCE  
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This manual is intended for use by both the customer and the service technician. This troubleshooting manual saves time and money when there is a system breakdown. 355 pgs.  
**951-821 \$38.20**

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This set includes two Attendant's Guides (952-137), two User's Guides (950-137), and one Administrator's Manual (954-137). The documents will assist with the initial set-up and day-to-day operation of the Merlin® System. 146 pgs.  
**984-520 \$15.60**

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This super 8 mm videotape is an introduction to Models 1030 and 3070 with Feature Module 1.  
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**MERLIN® COMMUNICATIONS  
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This 3/4" U-Matic videotape describes 1030 and 3070 Models with Feature Module 1.  
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COMMUNICATIONS SYSTEM  
MODELS 1030 AND 3070 WITH  
FEATURE MODULE 1  
ADMINISTRATOR'S MANUAL**  
This manual is intended for the administrator in charge of overseeing the initial installation and day-to-day operation of the Merlin® System. It describes the system features with instructions for assignment so that the Merlin® System is customized to best suit the business environment. 52 pgs.  
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**MERLIN® COMMUNICATIONS  
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COMMUNICATIONS SYSTEM  
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This administration manual takes the user step-by-step through the procedures for customizing the Merlin® System. It includes a quick reference guide to administration procedures. Includes an addendum. 89 pgs.  
**957-137 \$12.30**

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COMMUNICATIONS SYSTEM  
MODELS 1030 AND 3070 WITH  
FEATURE MODULE 2  
ATTENDANT'S GUIDE**  
This guide contains the information needed to use the Merlin® System attendant console to the best advantage. It describes the features and has a handy feature programming chart. 46 pgs.  
**958-137 \$3.10**

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COMMUNICATIONS SYSTEM  
MODELS 1030 AND 3070 WITH  
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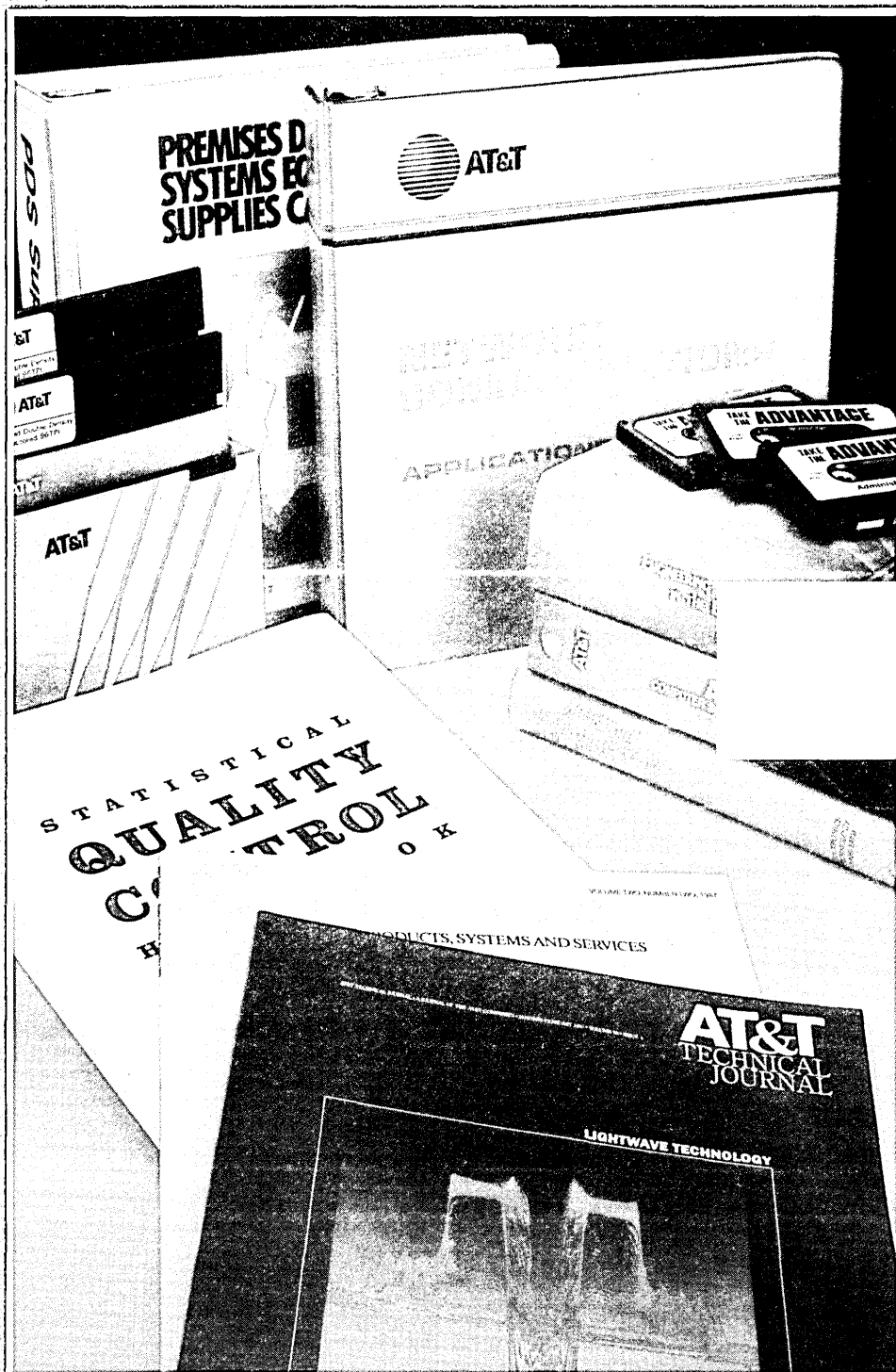
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Technical  
References



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**POWER LINE CONDITIONER  
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MANUAL**

This manual is designed as an aid in the maintenance, troubleshooting, and repair of the Power Line Conditioner (PLC). Its contents include the description, installation, operation, maintenance, service, parts layout, circuit diagrams, and parts list for the Model 050P411 5 KVA PLC. 42 pgs.

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This volume shows how the principles of Volume 1 (350-051) are applied to the facilities described in Volume 2 (350-052) to provide a variety of public and private telecommunication services. This volume reflects a strong Bell System operations viewpoint in its consideration of the problems of providing suitable facilities to meet customer needs and expectations at reasonable cost. 625 pgs.  
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Published annually since 1912, this reference provides a statistical compilation of global telephone information. The book shows the international distribution of both residence and business telephones and telephone facilities. This information provides global market research data of the demand for new telephone related products and services. Also available - 1983 edition (350-183).

126 pgs.

350-184 \$24.95

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