UNIX PROGRAMMER'S MANUAL

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4.2 Berkeley Software Distribution, Volume 2c Virtual VAX-11 Version

August, 1983

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Volume 2c – Supplementary Documents

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This volume contains documents which supplement the information in Volume 1 of *The UNIX*(*r*) *Programmer's Manual*, for the Virtual VAX-11 version of the system as distributed by U.C. Berkeley. This volume is a logical extension of Volumes 2a and 2b as provided by Bell Laboratories.

General Works

- 39. Bug Fixes and changes in 4.2BSD.
 - A brief discussion of the major user-visible changes made to the system since the last release.

Getting Started

40. An introduction to the C shell

Introducing a popular command interpreter and many of the commonly used commands, assuming little prior knowledge of UNIX.

- 41. An Introduction to Display Editing with Vi The document to read to learn to use the *vi* screen editor.
- 42. Edit: A tutorial (Revised) For those who prefer line oriented editing, an introduction assuming no previous knowledge of UNIX or of text editing.
- 43. Ex Reference Manual (Version 3.1 Oct. 1980) The final reference for the *ex* editor, which underlies both *edit* and *vi*.
- 44. Ex Changes Version 3.1 to 3.5
 A quick guide to what is new in version 3.5 of ex and vi, for those who have used version 3.1.
- 45. Mail Reference Manual (Revised) Complete details on the mail processing program.
- 46. A Guide to the Dungeons of Doom (Revised) An introduction to the popular game of *rogue*.

Languages

- 47. The FRANZ LISP Manual A dialect of LISP, largely compatible with MACLISP.
- 48. Berkeley Pascal User's Manual An interpretive implementation of the reference language.
- 49. The Programming Language EFL An introduction to a powerful FORTRAN preprocessor providing access to a language with structures much like C.

50. Berkeley FP User's Manual

A description of the Berkeley implementation of Backus' Functional Programming Language, FP.

- 51. A Portable Fortran 77 Compiler A revised version of the document which originally appeared in Volume 2b; this version reflects the ongoing work at Berkeley.
- 52. Introduction to the f77 I/O Library A description of the revised input/output library for Fortran 77. This document, which originally appeared in Volume 2b, reflects the work carried out at Berkeley.

Document preparation

- 53. Writing Papers with *nroff* using -me A popular macro package for *nroff*.
- 54. —me Reference Manual The final word on —me.
- 55. The Berkeley Font Catalog Samples of fonts currently available for the raster plotters.
- 56. Writing tools the Style and Diction Programs Description of programs which help you understand and improve your writing style.
- 57. Refer A Bibliography System
 - An introduction to the tools used to maintain bibliographic databases. The major program, *refer*, is used to automatically retrieve and format references based on document citations.
- A Revised Version of -ms
 A quick description of the revisions made to the -ms formatting macros for nroff and troff.

Programming

- 59. Assembler Reference Manual For compiler writers.
- 60. Screen Updating and Cursor Movement Optimization An aide for writing screen-oriented, terminal independant programs.
- 61. An Introduction to the Source Code Control System A useful introductory article for those users who are licensed for SCCS.

System Installation and Administration

- 62. Installing and Operating 4.2BSD on the VAX The definitive reference document for those occasions when you find you need to start over again.
- 63. Building 4.2BSD UNIX Systems with Config An in-depth discussion of the use and operation of the *config* program. This document discusses how to configure and build binary images of UNIX for your site.
- 64. Disc Quotas in a UNIX Environment A light introduction to the care and feeding of the facilities which can be used in limiting disc resources.
- 4.2BSD Line Printer Spooler Manual This document describes the structure and installation procedure for the line printer spooling system.
- 66. Fsck The UNIX File System Check Program A reference document for use with the *fsck* program during times of file system

distress.

67. Sendmail Installation and Operation Guide

The last word in installing and operating the *sendmail* program.

Supporting Documentation

68. 4.2BSD System Manual

A concise, though terse, description of the system call interface provided in 4.2BSD. This will never be a best seller.

- 69. A Fast File System for UNIX A description of the new file system organization design and implementation.
- 70. 4.2BSD Networking Implementation Notes A concise description of the system interfaces used within the networking subsystem.
- Sendmail An Internetwork Mail Router An overview document on the design and implementation of *sendmail*.

72. Mail Systems and Addressing in 4.2BSD A general introduction to the mail facilities in 4.2BSD.