Whitesmiths, Ltd.

CTEXT USERS' MANUAL

Date: April 1984

The C language was developed at Bell Laboratories by Dennis Ritchie; Whitesmiths, Ltd. has endeavored to remain as faithful as possible to his language specification. The external specifications of the Idris operating system, and of most of its utilities, are based heavily on those of UNIX, which was also developed at Bell Laboratories by Dennis Ritchie and Ken Thompson. Whitesmiths, Ltd. gratefully acknowledges the parentage of many of the concepts we have commercialized, and we thank Western Electric Co. for waiving patent licensing fees for use of the UNIX protection mechanism.

The successful implementation of Whitesmiths' compilers, operating systems, and utilities, however, is entirely the work of our programming staff and allied consultants.

For the record, UNIX is a trademark of Bell Laboratories; IAS, RSTS/E, VAX, VMS, P/OS, PDP-11, RT-11, RSX-11M, and nearly every other term with an 11 in it all are trademarks of Digital Equipment Corporation; CP/M is a trademark of Digital Research Co.; MC68000 and VERSAdos are trademarks of Motorola Inc.; ISIS and iRMX are trademarks of Intel Corporation; A-Natural, Idris, and ctext are trademarks of Whitesmiths, Ltd. C is not.

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SECTIONS

SCOPE

This manual describes the ctext document formatting system. Section I documents how ctext appears to the user and to the programmer. Beginning users should refer to the essay titled **Intro** at the start of the section; a detailed specification of the macro sets, called **Macros**, follows this introduction. This section also contains a full description of the text formatter itself, called simply **Ctext**, meant for those who must maintain or extend the macros or device support supplied with the standard package.

Section II consists of "manual pages" for the programs that compose the ctext system; these pages explain how to run each program, and what role it plays in the system. Section III, aimed exclusively at programmers interested in new device support, contains specifications for a small set of system interface functions sometimes needed by the existing ctext device drivers. These descriptions are portable, and are intended to guide the implementation of new drivers, and the porting of existing ones to new environments.

Finally, a set of appendices documents various internal details of the ctext program that may be of interest to sophisticated users or programmers. In particular, all ordinary diagnostic messages output by ctext are described here.

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I. Ctext Reference Manual

II. Ctext Component Programs

III. Ctext Device Interface Functions