ed(1) Cheat Sheet

ed is the standard editor

Command Line	
-p '>'	Set prompt
file	Load *file*
!*shell*	Execute *shell* and edit output

Default Address	Key	Command
.	a	Append input after line
.,.	c	Change lines
.,.	d	Delete lines
	e *file*	Edit *file*
	e !*shell*	Edit output of *shell*
1,$	g/*re*/*cmd*	Do *cmd* on all lines matching *re*, default p
		Trailing \ to perform multiple commands
1,$	G/*re*/	Interactive edit matches
	h	Show last error message
.	i	Insert input before line
.,.+1	j	Join lines
.	k*c*	Bookmark line as *c*
.,.	l	List lines indicating control chars
.,.	m*a*	Move lines to address *a*
.,.	n	List lines with numbers
.,.	p	Print lines
	q	Quit, prompt if modified
	Q	Quit unconditionally
$	r *file*	Read *file* after line
$	r !*shell*	Read output of *shell* after line
.,.	s/*re*/*re*/*suffix*	Substitute regex.
.,.		*suffix*: None=first, g=every, *n*=nth match
.,.	t*a*	Transcribe (copy) lines to after address *a*
	u	Undo last command
1,$	v	Invert g
1,$	V	Invert G
1,$	w *file*	Write lines to *file*
1,$	wq *file*	Write & quit
1,$	w !*shell*	Write lines to *shell*
1,$	W *file*	Write lines to end of *file*
.+1	z*n*	Scroll down *n* lines (default window height)
	!*shell*	Execute shell command
$	=	Print line number, .= for current line number

Key	Configuration
f *file*	Set default filename
H	Toggle error messages
P	Toggle prompt

Key	Input Mode
.	Commit entry
^C	Cancel entry

Key	Address
.	Current line
$	Last line
,	All lines 0,$
;	Current to last line .,$
x,*y*	Lines from *x* to *y*
x	*x*th line
−*x*	*x* lines previous (default 1)
+*x*	*x* lines subsequent (default 1)
/*re*/	Next line matching *re*
//	Repeat last regex
?*re*?	Previous line matching *re*
??	Repeat last regex
'*c*	Bookmarked line *c*

Key	Regex
c	Match char c, except {}()<>
.	Match any char
[*c*]	Char-class. ^ inverts.
	− is range, or last char as itself
	[:alnum:] [:cntrl:] [:lower:] [:space:]
	[:alpha:] [:digit:] [:print:] [:upper:]
	[:blank:] [:graph:] [:punct:] [:xdigit:]
^	Anchor at start
$	Anchor at end
\\<	Anchor before word
\\>	Anchor after word
\\(*re*\\)	Subexpression
n	Match nth subexpression
*	Repeat 0 or more
\\{*n*,*m*\\}	Repeat n to m times
&	All matched text

HISTORY
An ed command appeared in Version 1 AT&T UNIX.