

10/31/85

LISP Revision A

- Errata

ERRATA

The following errata identifies page numbers and changes to those pages. Instructions are provided to indicate how the manual pages should be modified. You may choose to make these corrections directly to your manual or simply file this package with your manual.

GENERAL

general In many places throughout the manual, the word "store" is used to mean the word "memory".

CHAPTER 1

Page 1-1 2nd to last sentence following "LISP Programmer, it...":

"...does not attempt to use the minimal amount of store and it requires at least 512K bytes." should be: "...requires an Amiga that has the add-on memory card installed (upgrade to at least 512K total system RAM)."

Page 1-3 quotes ('), last line:

There should be a blank space between the word set and the quote mark. "...setq for set'." should be: "setq for set'."

CHAPTER 2

Page 2-2 Last line should read:

"...use the characters [and]."

Page 2-5 Replace first sentence of last paragraph with:

"Functions defined with de have their arguments evaluated. These functions are said to be of type EVAL. Functions defined with df don't have their arguments evaluated. These are said to be of type NOEVAL...."

Page 2-6 Replace the last example with:

```
(dm maccons arglist
  (cond ((null arglist) nil)
        (t (list 'cons (car arglist) (cons 'maccons (cdr
                                              arglist))))))
```

Page 2-11 table 2-C top line should read:

"leftshift U V U is shifted left by V bit-positions"

Page 2-11 Final 3 functions in table 2-C should be separated and titled "set operators".

Page 2-11 Examples for the above 3 set operations:

```
(setdiff `(1 2 3) '(3))
      result      (1 2)
(union `(1 2 1))
      result      (2 1)
(xn `(1 4 7) '(3 4 7))
      result      (4 7)
```

Page 2-14 bottom of page:

Note that the final character on the end of each print-word is a lower case "L", rather than a numeral "1".

Page 2-20 third line, replace:

"lexagraphically ordered" with
"alphabetically sorted"

CHAPTER 3

Page 3-4 2/3 of the way down, sentence should read:

"You can cause functions subsequently defined using de, df, or dmm to be compiled automatically by setting the flag *comp to non-nil."

Page 3-8 The LISP EDIT functions described in Section 3.3 are not implemented in this release. The following is a brief description of how to most efficiently run and edit LISP.

Resize the main window to approximately 1/2 the screen size and position it at the bottom of the screen. Use Run ed to open an edit window, then position it at the top of the screen.

If you now run LISP, you will have plenty of room in which to program. You will also have an editor to use which can feed LISP.

Page 3-9 stop function, should read:

"Leaves the editor without making any changes."

Page 3-13 Third line from the end:

Bug in version 1.0; don't use mapstore.

CHAPTER 4

Page 4-3 { } description of curly brackets should read:

"Curly brackets are a special feature of this lisp. Wherever multiple parentheses are required to balance (usually the leftmost or rightmost parts of) an expression, a curly bracket may be used as a super-parentheses"

(minus 40 (plus 6 (times 3 2} equivalent to:
(minus 40 (plus 6 (times 3 2)))

Page 4-3 *echo, first description line:

Delete asterisk following the second occurrence of *echo.

Page 4-3 *comp, first line should read:

"...*comp is true, subsequent function..."

- Page 4-3 *lower, last line should read:
- "...to their lower case equivalent upon
input."
- Page 4-4 *symmetric should be *pp-symmetric, but this is
not implemented in V1.0
- Page 4-5 ascii...add note:
- See also character and internalcode.
- Page 4-8 call-library and open-library aren't fully
documented.
- V1.1 document will cover these topics more
fully.
- Page 4-8 call-library:
- The definition should read:
"...REGISTERS:vector".
- Page 4-8 car, insert parentheses:
- (car (cons a b))
- Page 4-10 cdr, insert parentheses:
- (cdr (cons a b))
- Page 4-11 compress should read:
- (compress U:id-list):any
Type:EVAL,SPREAD,Base
- Page 4-12 Count error message should be in lower case
letters.
- 'cons counter overflow'
- Page 4-14 dmm, delete first closing parenthesis:
- (dmm) MNAME...becomes (dmm MNAME...

- Page 4-17 2/3 from the top, line starting with "vector"
should say:
- vector A vector is produced by surrounding a
 set of elements by brackets [and].
- Page 4-19 fluidp is not implemented in V1.0.
- To obtain fluidp, type: (de fluidp (x) (flagp x 'fluid))
- Page 4-21 globalp is not implemented in V1.0.
- To obtain globalp, type: (de globalp (x) (flagp x 'global))
- Page 4-25 linelength:
- The linelength is 60 not 72.
- Page 4-25 liter, change last sentence of description to
read:
- Returns t if U is a character of the
alphabet either lower or upper case, returns
nil otherwise.
- Page 4-26 lposn, add at end of last sentence of this
description:
- "...in Standard Lisp and is provided in
Cambridge Lisp as a function for
compatibility."
- Page 4-28 mkstring:
- The word BOFFO should be: string.
- Page 4-32 prarg, should read:
- (prarg U:mode):mode
Type:EVAL,SPREAD,LISPBASE.
- The argument U should be one of bcpl, nil, t,
pretty, expanded, or an integer in the range -1
to 3.

After (prarg nil) or (prarg 0), the Lisp supervisor does not echo what it reads and interprets.

Note that (prarg 0) suppresses the prompt. (prarg t) or (prarg 1) cause the supervisor to print arguments.

(prarg 'pretty) or (prarg 2) cause the supervisor to superprint arguments.

(prarg 'expanded) or (prarg 3) cause the supervisor to superprint them after expansion of readmacros.

See prval and prmsg. The initial state is no echo. The function returns the previous value. If U is -1 or bcpl then the simple reader bcplread is used for input. This is used for bootstrapping purposes, and is of little use to the ordinary user. If the argument is not one of the above, it is treated like 1.

Page 4-33 printprompt* and printvalue*, insert parentheses:

(printprompt*) and (printvalue*)

Page 4-34 putd:

putd references globalp, and globalp is not implemented.

Page 4-35 rdf, last line should read:

"is nil, or is omitted..."

APPENDIX B

Page B-1 third paragraph, second line, change spelling to:

"alleviate..."

INDEX

Page ii add reference:

compile 4.10 and 3.4