ee9 V5 Errata

- **`mtp` may print the header for a spooled stream more than once when printing down an OUT 8 MT that contains the intermixed output of several different streams.**
- **I/O tracing may mis-identify an active but not data-transferring device as being the one responsible for a concurrent main store lockout.**
- **If a program uses more than one fixed disc drive, the timing of seeks is incorrect.**

Significance: none: has no effect on correct execution of problem programs.

- **If a program that uses magnetic tapes terminates by means of OUT 2, there is a spurious LIV on MT0.**

Significance: minor: has no effect on any software issued with V5.1a.

- **A double-length arithmetic right shift of *n* places (e.g. SHAD-*n*) gives the wrong result: if the more significant half of the operand (in N1) has digit 48-*n* equal to 0, and the less-significant half of the operand (in N2) is invalid for a double precision integer, in having digit 0 of N2 equal to 1.**

Significance: minor: has no effect on a properly-written program.

V5.2b corrects all of these errors in V5.1a.

- **The track number is wrong in the tracing of drum I/O orders.**

Significance: none: has no effect on correct execution of problem programs.

- **A spurious LIV may happen in non-boot modes if a device freed by OUT 5 continues to be used by OUT 8.**

Significance: minor: programs should not use a device both directly and spooled.

- **The emulation of OUT 2 does not verify a feasible time limit parameter.**

Significance: minor: has no effect on a properly-written program.

- **OUTs 11 and 12 make the program terminate if the entailed I/O orders cause a lockout.**

Significance: minor: No original program using those OUTs has yet been found.

V6.0a corrects all of these errors in V5.2b.