

PROJECT MAC

June 5, 1973

Computer Systems Research Division

Request for Comments No. 26

ERRATA FOR "The Multics System ..." by E. I. Organick
from J. H. Saltzer

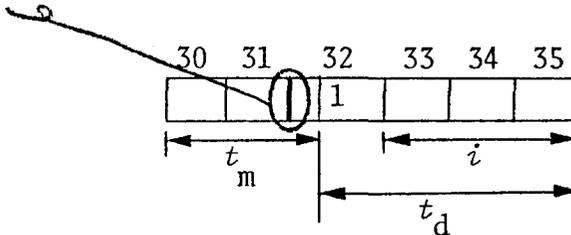
Enclosed is an up-to-date list of all known errata in Elliott Organick's book about Multics. If you know of any other such typographical errors, please report them to me so that I may pass them back to him.

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Page 5, line 2--GE 645, the "e" should be capitalized.

Page 8, modify Table 1.1 as shown on the attached.

Page 18, fix figure in Table 1.2 by removing extra vertical line in the rectangle representing bit 31.



Page 43, line 10--should read, "...word. An "lri" (least recently inserted) disci-"

Page 45, Figure 1.23. The note on the left which reads "a 15 means most recently used entry" should read "a 15 means most recently inserted entry"

Page 49, line 8--should read, "AM's least recently inserted discipline. That is ..."

Page 72, line 4--delete one of the two "saves"

Page 83, last line should read, "<t>|[entry2]. The ..."

Page 89, line 12--should read, "tra <t.link>|[entry2]"

Page 96, first line should read, "would like to combine several procedure ..."

Page 113, line 6--should read, "<a> and the staq ..."

Page 120, line 14--should read, " ...then, that <p> calls <r> with a"

Page 120, on diagram "sp arg+0" should read "sp|arg+0"

Page 133, section 4.2.1--first paragraph should read:

4.2.1 Per Segment Access Control⁶

"First we shall sketch briefly the concept of file-system hierarchy as developed within Multics and, while doing so, introduce some of the terminology and jargon that has grown up with it. The principal notions of this type of "file structure" are these:

1. that it consists ..."

Page 135, line -8--should read, "This delay (of "binding") is built..."

Page 171, Figure 4.14--the box marked +26 should not be shaded. It should appear as

+26

arglist pointer

Page 174, line 20--should read "pleted the arglist...(placed at sp_{γ} |26) will) ..."
↑
gamma instead of beta

Page 181, last line--the word "outward" should be "inward"

Page 198, line -7--should read "such changes were bypassed during an abnormal return,..."

Page 209, line -4--should read,

"<stack_s>|0 and the address base registers. Adjustment of <stack_s>|0"
↑ ↑
was 2, now zero was 2, now zero

Page 210, line -2--should read, "<stack_t>|0 will not..."
↑
zero

Page 211, Figure 5.4--

1. Remove "+2" from top left of the figure.
2. Last 3 lines of remark to the right of shaded sections should read,

"failure to adjust the pointer at
 <stack_t>|0 during
 abnormal return."

Page 212, footnote 18, lines -3 and -2--should read,

"..... . Only the "g" field (bits 6 and 7) of this word is
 of interest....."

Page 239, Table 6.3, line 6, col. 6b--should be "yes" instead of "no"

Page 241, line 14--change "section 4.2.2.1" to "section 4.2.7.3"

Page 262, Figure 6.11--item corresponding to in ring 34 should

be

13	g	→
----	---	---

 instead of

13	g	p
----	---	---

Page 264, line -6--should read <cl.nn.mm>.
↑
was an underscore.

Page 291, line -4 of footnote--should read,

"of CPU usage is consumed..."

Page 321, line -6--should read,

"assumes, by convention that the required B-to-A setup..."

Page 173, line 10--should read,

"e. The stack pointer saved in...."

Page 228, missing line after paragraph ending at line 21 should read (new paragraph),

"If indeed the target is known, then the indicated KST entry where the"

Page 169, line -13--parenthetical sentence should read

"(Dashed line ①, pointing to <alpha>, is replaced by solid line ②, pointing to <beta>.)"

Revise portion of Table 1.1 as shown:

Write Permit ¹	Master Access ²
MM only = 0	MM only = 0
Slave also = 1	Slave also = 1

Add these footnotes to footnotes to the revised Table 1.1:

- ¹ Permission to write in this segment depends on the (Master/Slave) mode of the current procedure. If bit 30 = 0 write permission is granted only if the mode of the current procedure is Master. If bit 30 = 1, write permission is granted also to a current procedure whose mode is slave.
- ² Access to this segment as described elsewhere in this descriptor field is further restricted according to the (Master/Slave) mode of the current procedure. If bit 31 = 0 the described access is granted only if the mode of the current procedure is Master, else all access is denied. If bit 31 = 1, the mode of the current procedure is irrelevant.