TEXT ERRATA

Printing 1[2] - **Version 4.2** (Last updated 2/8/05)

General

The following references in the text to the color "blue" should be to the color "green." (Added 9/1/04; **page & line numbers added 2/8/05**)

Location by Page/Line Numbers (B indicates lines counted from bottom of the page)

8/7	15/3B	15/6B	16/14	119/11	206/11	210/24	267/13	275/11	280/8	333/2B	370/10B	382/18
405/1B	431/9	442/5	442/7	443/3B	458/1	463/3B	529/13	532/2B	536/2B	548/1	548/10	549/9

Chapter 1

Chapter 2

p. 67, line 17   In the equation for H, replace "ACE + ACF" with "ABE + ABF" **(**Added 10/27/04**)**

p. 68, line 18   In the equation for H, replace "A" with "AF" **(**Added 10/27/04**)**

p. 86, Problem 2-34:   Replace "2-32" with "2-33"

p. 86, Problem 2-35(a):   Replace "2-33" with "2-34"

Chapter 3

p. 93, line 18:   Replace "VDHL" with "VHDL" (Added 10/27/04)

p. 138, Problem 3-24:   Replace equations with "$F = \overline{W}$" and "$G = \overline{W}\,\overline{Y} + WZ$" See Fig. 4-10 for decoder diagram/table.

P. 139, Problem 3-25:   See Fig. 4-10 for decoder diagram/table.

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[2] Many of the errors listed may have been corrected in subsequent printings.

Chapter 4

p. 165, Figure 4-21, Input $I_{1,0}$: Replace Z with $\overline{Z}$. Input $I_{2,0}$: Replace Z with $\overline{Z}$. (Added 10/27/04)

p. 193, Problem 4-7:   Replace "four" with "two" and "48" with "32"

p. 193, Problem 4-11:   Replace "BCD" with "decimal"

p. 193, Problem 4-14:   Replace "decoder" with "multiplexer" (Added 1/16/04)

p. 193, Problem 4-15:   Remove "-" between "eight" and "3"

p. 195, Problem 4-27:   OR gates or 3-state outputs on ROMs are also needed. (Added 2/26/04)

Chapter 5

Chapter 6

p. 254, Figure 6-14(b):   Remove center input from 3rd flip-flop; remove center input from 4th flip-flop and add "bubble" to bottom input (Added 2/26/04)

p. 272, Table 6-3 heading:Replace "6-21" with "6-24" (Added 9/1/04, **page no. corrected 2/8/05**)

p. 276, Equation for B(t+1):Replace "C" with "X" (Added 9/1/04)

p. 288, Figure 6-32, line 23 (including blank lines): Delete "end if" (Added 2/26/04)

p. 300, Figure 6-37:   Add ⌐ to the left of the SR flip-flop outputs (to designate the flip-flop as master-slave).

p. 302, Table 6-10:   Change "Problem 6-9" to "Problems 6-9, 6-29 and 6-30" Change "Input s" to "Inputs" (two places).

p. 304, Problem 6-19(b): Change last two bits of NRZI Message from "01" to "10"

p. 306, Problem 6-25:   Change "Table 6-5" to "state diagram in Figure 6-25(d)"

p. 307, Problem 6-28:   Change "6-25" to "6-23" and "Table 6-6" to "Figure 6-40" Change "Z" to "Y"

Chapter 7

p. 315, lines 12-13 from bottom: Delete ", in the same manner as for bytes in Chapter 1" (Added 2/26/04, clarified 3/4/04)

p. 336, Figure 7-14:   Between each XOR gate and OR gate, add a 2-input AND gate with $\overline{Load}$ as the second input (Added 2/26/04)

p. 348, line 2 from bottom: Replace "7-2" with "7-21(a)" (Added 10/27/04)

p. 350, Figure 7-22:   On the top register, replace "Register B" with "Register A" (Added 3/4/04)

p. 358, Problem 7-14:   Replace "Figure 7-13" with "Figure 7-14" (Added 10/27/04)

p. 359, Problem 7-22, line 2:Replace "fourth" with "fifth" (Added 9/1/04)

p.359, Problem 7-22, lines 14-15:Replace "outputs that are ... ." with "three outputs: the two select variables for the multiplexer and the load signal for register R4." (Added 9/1/04)

p. 360, Problem 7-27:   Replace "7-2" with "7-22" (Added 2/26/04)

p. 360, Problem 7-30:   Replace "bus system" with "circuit" (Added 2/26/04)

Chapter 8

p. 389, Figure 8-16, line 16: Add < before = A **(Added 2/8/05)**

Chapter 9

Chapter 10

p. 438, Figure 10-7:   Disconnect the S_0 input of block "One Stage of Logic Circuit" from C_i and attach it to a new input, C_{in}. (Added 2/26/04)

p. 439, line 2:   Replace "C_i with C_{in}" (Added 9/1/04)

p. 439, Section 10-4, 7th line: Replace "Bus A" with "Bus B" (Added 2/26/04)

p. 441, line 12:   Replace "12-2" with "12-3" (Added 9/1/04)

p. 478, Problem 10-12:   Delete parts **(b)** and **(c)** (changed 3/4/04)

p. 480, Problem 10-20:   Delete "the opcode is 0010001"

Chapter 11

p. 489, line 19: Replace "addition" with "arithmetic evaluation" (Added 10/27/04)

Chapter 12

p. 545, Table 12-2, 3rd line, 2nd column: Add code "01"

p. 565, Table 12-5, 4th line, last column: Change "$\overline{PS}$" to "PS"

p. 576, Problem 12-3:   Replace "below Figure 12-5" with "on page 536"

p. 577, Problem 12-19:   Replace "12-4" with "12-5"

Chapter 13

p. 584, line 23:   Replace "ms" with "μs" (Added 10/27/04, **page no. corrected 2/8/05**)

Chapter 14

Index

p. 655:   Delete "v" in "tpdv" (Added 2/26/04)

Please e-mail errors to: crkime@writphotec.com. Thanks to those of you providing error information.