ERRATA

AMERICAN SOCIETY OF GAS ENGINEERS
CERTIFIED GAS ENGINEER STUDY GUIDE AND REFERENCE MANUAL
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(Page 9) Formula in "Part 3" should read as follows:

"Using Moles for the calculation: --> 1 + 7.52 + 2
Ignoring water we get; 1/(1 + 7.52) = 1/8.52 = .1174 or 11.74%"

(Page 10) Formula in "Part 2" should read as follows:

"Air is total O_2 + total N_2 = 160 + 526.4 = 686.4
Fuel is C_3H_8 = 44
Therefore the air/fuel ratio (by weight) is 686.4/44 = 15.60"

(Page 78) Add the following to "actions and techniques"

"—Increasing primary air"

Add the following note to "—Minimizing excess air"

"(Excess air in Bunsen-type burners is secondary air)"

(Page 93) Correct third sentence as follows:

"Conversely, heating the mixture tends to move the operating point toward flashback or toward yellow-tipping."

(Pages 98 and 100) "Combustion Systems Trouble Shooting" table lists "Flame Rollout" in two locations. Comments regarding "Aeration", "Cause/Effect" and "Solution" are essentially the same.

(Page 109) Revise the third sentence under "Mixer Sections" as follows:

"If the mixer section is less than 5 to 7 diameters (smallest inside diameter of the duct, tube, pipe or orifice), there will not be enough time for proper air/gas mixing."