***ELEMENTARY PRINCIPLES OF CHEMICAL PROCESSES*  
ERRATA -- 2005 Update Edition, Printings 4 and higher**

Last updated: 11/16/17

* p. 32, Prob. 2.15. In Line 3, add "Express *g* in ft/s2."
* p. 62, Line 4. Change "Celsuis" to "Celsius"
* p. 65, Prob. 3.1(c), Line 3. Insert a period after the second word ("stones"). Change the adjacent parenthetical statement to "(A *stone* is a unit of mass equal to 14 lbm. It is commonly used in England as a measure of body weight, which like the numerical equivalence between  lbm  and  lbf  is only valid at or near sea level.)"
* p. 95, Test Yourself, Item 2, Line 1. Change "indicate bases" to "indicated bases."
* p. 132, Paragraph 1, Line 5. Change "Reaction 1" to "Reaction 2".
* p. 143, Line 3. Change "nitric acid" to "nitric oxide."
* p. 171, Prob. 4.41(d), Line 3. Change "part (a)" to "part (b)."
* p. 176, Prob. 4.55.   
  -- In Line 3, change "singlepass" to "single-pass."   
  -- In Part (b), change "0.0050 kg R/kg" to "0.050 kg R/kg."
* p. 193, Step 2 of Example 5.2-1, Line 2. Change 5.3-a to 5.2-3a.
* p. 202, bulleted paragraph at the top of the page. Delete everything after the first sentence ("Solution for *P*...closest to *Videal*.")
* p. 207, Footnote 9, Line 1. Put a carat over the *V*.
* p. 209, Figure 5.4-2. The figure has been misdrawn, with an extra horizontal grid line between *z* = 0.9 and *z* = 1.0. The ordinate labels should not be changed, so that the curves still asymptote to *z* = 1.0 on the left. The resulting errors in reading the value of *z* for given reduced conditions are on the order of 1-3%.
* p. 209, third line from bottom. Change 5.4-7 to 5.4-8.
* p. 210, expression for *P*. In the last factor of the dimensional equation, change 252.4 to 252.6. Change the solution from 733 atm to 734 atm.
* p. 221, Prob. 5.33(c). After "2000." on Line 2, add the sentence What is the most likely reason? Then put the footnote.
* p. 230, Prob. 5.55, Line 2. Change 5.3-4 to 5.3-2
* p. 239, 2nd bullet, Line 5. Change (h) to (g).
* p. 256.   
  - Line 1: From Table 3-12 on p. 3-63 of the 5th edition of...   
  - Footnote 4: Change 6th Edition to 5th Edition and change 1984 to 1973
* p. 301, Prob. 6.73, "Data on Process Streams" to the right of the flowchart, bottom line: Change G2 to G1
* p. 324, figure in Example 7.4-2. The *Q* arrow should be pointing into the box rather than coming out of it, and there should be dots above *Q* and *W*.
* p. 327, line below Section 7.5b heading. Change p. 239 to p. 241.
* p. 337, expression for *Ws* to the right of the long vertical double arrow. Change 1.00x105 to 1.00x106
* p. 338, third bullet. In Line 1, change the subscript of the summation sign from "out" to "in," and on Line 2 change the subscript from "in" to "out."
* p. 346, Prob. 7.28. In Line 1, change 2.0 bar to 3.0 bar.
* p. 355, Prob. 7.54(b). In the figure, change 3.5 bar to 3.1 bar
* p. 362, Item 6. In the closed system equations, remove the dots from above the two *m*'s.
* p. 364. In the second line after the second bulleted item, change 56oC to 65oC.
* p. 400, In Example 8.5-2, in the second line of the problem statement, change “1 atm” to “0.31 atm”. Add a sentence to the problem statement, “Assume the effect of pressure on enthalpy is negligible so that Figure 8.5-1 can be used.” In the flowsheet, change the pressure of both outlet streams from “1 atm” to “0.31 atm”.
* p. 416, Prob. 8.36. Delete the "Student Workbook" icon in the left margin.
* p. 457. In the expression under "Calculate Inlet Enthalpy," the integrand should be (*Cp*)C2H5OH*dT*
* p. 458. In the third-last line of Example 9.5-3 (Δ *H*ad =...), change the + in front of 2.813 to a -.
* p. 468, summation of *niCpi* about halfway down the page. Change 0.4378 to 0.4738. Make the same substitution two lines down.
* p. 495, Prob. 9.51. In Line 2, add "Assume that the pressure is low enough for all the exiting water to be vapor."
* p. 583, Step 12: On Line 4, change "Step 8" to "Step 9"
* p. 656, TY on p. 49, Item 5: 50x103 mol/h (not 50 kmol/h)
* p. 657, TY on p. 190, Item 1: On Line 3, change 200 g/s to 255 g/s
* p. 658, TY on p. 253, Item 2: On Line 1, change 760 mm Hg to 600 mm Hg
* p. 665, Solution to Problem 4.50: Change 0.875 to 0.877
* p. 669, entry for "air, composition of". Change 51 to 143.