

**ERRATUM** (as of December 1, 2000)

for **First printing** (Oct. 1998) of the 2<sup>nd</sup> Edition of Baird's **ENVIRONMENTAL CHEMISTRY**, 2<sup>nd</sup> Edition ; those with an asterisk (\*) also require correcting in copies of the **Second Printing**, those with a double asterisk (\*\*) also require correcting in the **Third Printing**, and those with a triple asterick also require correcting in the **Fourth Printing**.

<b>Page</b>	<b>Change</b>
55*	In Figure 2-18, 4 <sup>th</sup> to last line: replace (g) or (ag) after HNO <sub>3</sub> by (aq)
65	Mid-page, in bold, should read <b>HCFCs, hydrochlorofluorocarbons</b>
89	In Problem 3-2, change the exponent from -4 to +14.
89*	In Problem 3-3, change ppm to ppb.
160	In Problem 3-38c, alter the product to <sup>210</sup> Pb, not <sup>214</sup> Pb
321*	In the parathion structure, change P=O to P=S
342*	In Problem 6-14, change 0.47, 1991, and 0.10 to 0.047, 1994, and 0.010
364*,**	The two nitropyrene structures at the bottom of the page are incorrect, and should be ignored.
448*	In the second line of the [OH] equation, change 9.9 to 9.0
468	Page reference on 4 <sup>th</sup> line after Problem 9-2 should read 478, not 476
472***	Under the 3 <sup>rd</sup> equation, change chlorite to hypochlorite
AP-8	On 3 <sup>rd</sup> to last line, delete bond dash after CH <sub>3</sub>
AP-10*	Change the -NH <sub>2</sub> furthest to the right in the cysteine structure to -OH.
AN-2	For Chapter 3 Problem 3-3, alter the 9.1 to 9.3
AN-2	For Chapter 3 Problem 3-5, alter the exponents -9 and -17 to -8 and -16 respectively
AN-3*	For Chapter 3 Problem 3-29: 1 <sup>st</sup> line: delete 8 in front of NO 2 <sup>nd</sup> line: delete 8 in front of NO <sub>2</sub> (2 <sup>nd</sup> Printing only)

3<sup>rd</sup> line: place 8 in front of NO

- AN-4 For Chapter 4, Additional Problem 1, alter answer to (a) to Symmetric, antisymmetric and bending vibrations for both. and add to answer to (b)  
Only the SO<sub>2</sub> symmetric stretch will contribute much..
- AN-5 For Chapter 6, Additional Problem 1 change the units to g from kg
- AN-5\* For Chapter 7, Additional Problem 1: Change 138 to 69, and 276 to 138.
- AN-6\* For Chapter 8, Problem 8-5, change the units from mL to mg/L.
- AN-6\* For Chapter 8, Problem 8-6, change the units from mg/L to mL.
- AN-6\* For Chapter 8, Problem 20: Change 2.4 to 2.5, 3.5 to 3.7, 1.04 to 1.02, and 9.6 to 8.9.
- AN-6 For Chapter 8, Problem 8-24 change the answer to  $8.2 \times 10^{-7}$  g/L
- AN-6\*,\*\* For Chapter 8, Additional Problem 5: Change the answers to  $1.5 \times 10^{-3}$  M,  $1.5 \times 10^{-3}$  M,  $6.2 \times 10^{-3}$  M,  $3.4 \times 10^{-4}$  M.
- AN-6 For Chapter 9, Problem 9-1, alter the 4.8 to 5.5
- AN-8\*,\*\* For Appendix, Problem 3, in a) alter 1,1,1,2- to 1,1,2,2- and in c) alter 1,4- to 1,3-.

### **Solution Manual**

<b>Page</b>	<b>Change</b>
18	Problem 3-2: On line 3, change 1 mole to $1 \text{ cm}^3$
94	Problem 8-6: On 2 <sup>nd</sup> line, change 3.0 to 30
97	Problem 8-13, part (ii) only: Change $8e^-$ to $6e^-$
106	Additional Problem 5 for Chapter 8: Solution is incomplete.