TO: Jenny Welter FROM: Stan Middleman RE:ERRATA AND CHANGES<br>An Introduction to Mass and Heat Transfer

Enclosed please find Xerox copies of pages of the second printing of Middleman, An Introduction to Mass and Heat Transfer, on which I have marked changes. These include the corrections that had been sent to Wiley prior to the second printing, but which were not corrected. I also include a listing of all of these corrections. These changes should be incorporated into the third printing.

Corrections to the second printing of
Middleman, An Introduction to Mass and Heat Transfer

## Chapter 4

p. 201 Prob. 4.87 Add the following information: "The equilibrium solubility of water is given by $\alpha=3 \mathrm{mg} \mathrm{H}_{2} \mathrm{O} / \mathrm{cm}^{3}$ polymer-torr water vapor pressure

## Chapter 5

p. 237
p. 238
p. 243
p. 249

Prob. 5.33 (Part a)
Change "Do this for Reynolds numbers in the range $10<\operatorname{Re}<1000$ "
to "Do this for mass flows in the range $\mathbf{5 0}<\mathbf{m}<\mathbf{5 0 0}[\mathbf{k g} / \mathbf{h}]$ "

## Chapter 6

p. 295 Prob. 6.10 Eq. P6. 10 should read:

$$
\frac{v_{y, \delta}}{v_{o}}=-\frac{5}{8} \frac{d \delta}{d x}
$$

## Chapter 7

p. 328 Just above the last paragraph.

Change "(See Problem 7.6") to "(See Problem 7.7)"
p. 332 Prob. 7.5 (line 3) Change "coefficients" to "coefficient."
p. $333 \quad$ Prob. $7.14 \quad$ last line of column

Change ( $1.25 \% \mathrm{CO}_{2}$ ) to $\left(\mathbf{1 . 3} \% \mathrm{CO}_{2}\right)$
Prob. 7.15 Eq. P7.15.3 should be written $c^{*}=p / m \quad($ not $p / H)$

## Chapter 11

p. 432 Prob. 11.35 (last line) "properties are given in Problem 11.34"

## Chapter 12

p. $460 \quad 2$ lines above Eq. 12.5.24 Change "Prob. 12.17" to "Prob. 12.21"

Chapter 15 In correcting the text on p. 606, Eq. 15.3.27 has a typo. The parenthetical expression should read (-4 St L/D), not (-4 ST L/D).

## Appendix B and C

p. 651

App. B Add just before Section B3
For large arguments it is useful to know that

$$
\begin{equation*}
\operatorname{erfc}(x)=\frac{1}{\sqrt{\pi}} \frac{e^{-x^{2}}}{x} \tag{B2.10}
\end{equation*}
$$

I have found one new error. On p. 128, line just above Eq. 4.2.98, change B26 to B2.5

Also, note that on p. x (Table of Contents) items 3.3, 3.4, and 3.5 should be boldfaced.

