

CORRESPONDENCE.

INSTITUTE OF ACTUARIES' TEXT-BOOK, Part I (New Edition).

To the Editor of the Journal of the Institute of Actuaries.

SIR,—My attention has been drawn from time to time to sundry mistakes and misprints in the New Edition of the *Text-Book*, Part I. I append a list of these in the belief that it will be a convenience to future students of the book to be able to refer to them in the *Journal*, and in the hope that few (if any) errors still remain undetected. It has not been thought necessary to include obvious typographical errors—such as defectively printed brackets—a few of which (varying, probably, from copy to copy) may occur in the book.

I am indebted to Mr. D. J. McG. McKenzie for the information (which may be of service to other members of the profession) that the Fourth Edition of Pereire's Tables (published in 1896), gives supplementary tables of the values of $(1+i)^n$, v^n , $a_{\overline{n}|}$, and $\frac{1}{a_{\overline{n}|}}$ at rates of interest proceeding by $\frac{1}{16}$ from $\frac{1}{2}$ to $1\frac{3}{8}$ per-cent ($n=1$ to $n=300$)

and by $\frac{1}{8}$ from $1\frac{1}{2}$ to 2 or $2\frac{5}{8}$ per-cent ($n=1$ or 101 to $n=200$). The results are given to ten places of decimals in the case of $(1+i)^n$ for rates of interest from $\frac{1}{2}$ to $1\frac{3}{8}$ per-cent, and to seven or eight places in the remaining cases.

I am, Sir,
Your obedient Servant,
R. TODHUNTER.

ERRATA.

Page	Line*	Error	Correction
9	3 <i>b</i>	$e^{-n\delta}$	$e^{-n\delta}$
13	6 <i>t</i>	$\overline{m-2}$	$\overline{2m-1}$
13	7 <i>t</i>	$\overline{m+2}$	$\overline{2m+1}$
13	11 <i>t</i>	$\overline{m+2}$	$\overline{2m+1}$
13	12 <i>t</i>	$\overline{m-2}$	$\overline{2m-1}$
13	4 <i>b</i>	— . . .	+ . . .
13	2 <i>b</i>	$\frac{f^3}{3m^3} - \dots$	$\frac{f^3}{3m^2} + \dots$
14	1 <i>t</i>	$1-i + \frac{i^2}{2!} - \frac{i^3}{3!} - \dots$	$1-i + i^2 - i^3 + \dots$
14	4 <i>t</i>	— . . .	+ . . .
16	1 <i>t</i>	$\left(1 + \frac{j}{m}\right)^{mn}$	$P\left(1 + \frac{j}{m}\right)^{mn}$
26	10 <i>t</i>	S_k	S_r
26	Note	$\frac{k^3}{2!}$	$\frac{k^3}{3!}$
41	9 <i>b</i>	powers of n	powers of x
50	5 <i>t</i>	$\alpha_{\overline{n-\frac{1}{p}}}$	$\alpha_{\overline{n-\frac{1}{p}}}$
54	3 <i>t</i>	$\alpha_{\overline{n-\frac{m}{p}}}$	$\alpha_{\overline{n-\frac{m}{p}}}$
62	1 <i>t</i>	v^{2m-n+1}	v^{2m-m+1}
67	2 <i>t</i>	$t_{\overline{1}} \overline{1}$	$t_{\overline{1}} \overline{r_1}$
95	2 <i>b</i>	$\sum_{r=1}^{r=n-1}$	$\sum_{r=1}^{r=n}$

* The letters *t* and *b* denote that the lines are to be counted from the top and bottom respectively.