## TABLE ERRATA

**365.**—MILTON ABRAMOWITZ & IRENE A. STEGUN, *Handbook of Mathematical Functions with Formulas, Graphs, and Mathematical Tables*, National Bureau of Standards Applied Mathematics Series, No. 55, U. S. Government Printing Office, Washington, D. C., 1964.

The following corrections apply to the first printing (June 1964), wherein errors have previously been reported (*Math. Comp.*, v. 19, 1965, p. 174, MTE **362**).

| page | column | line | *for* | *read* |
|---|---|---|---|---|
| 8 | Table 2.4, 2 | 8 | $10^{-5}$ | $10^{5}$ |
| | | 9 | $10^{-6}$ | $10^{6}$ |
| | Table 2.5, 2 | 4 | 1609.3472 | 1609.344 |
| | | 6 | 0.4535937 | 0.45359237 |
| | | 7 | 0.0283496 | 0.0283495 |
| 15 | Table, 4 | Eq. (3.6.20), 5 | $\frac{1}{2}(n-1)c_1 + na_2$ | $\frac{1}{2}(n-1)c_1a_1 + na_2$ |
| | 5 | Eq. (3.6.20), 6 | $+c_1a_1^2$ | $+\frac{1}{6}c_1a_1^3$ |
| | 6 | Eq. (3.6.24), last | $3a_3c_3$ | $3a_1c_3$ |
| 250 | Table 5.6 | Footnote | If $\mid x \mid > 10$ | If $x > 10$ |
| 262 | 1 | 11 from bottom | Fuction | Function |
| 292 | Table 6.8, 4 | Last | 0.0 | 10.0 |
| 334 | 1 | Eq. (8.6.1) | $\cos[\frac{1}{2}\pi(\nu+\mu)]$ | $\cos[\frac{1}{2}\pi(\nu-\mu)]$ |
| 336 | | Eq. (8.11.3) | $e^{-2n}$) | $e^{-2\eta}$) |
| 362 | 1 | Eq. (9.1.62) | $e^{\mid gz \mid}$ | $e^{\mid gz \mid}$ |
| 365 | 2 | 9 | $(u-1)\{u-9)\cdots$ $(u-2k-3)^2\}$ | $(u-1)(u-9)\cdots$ $\{u-(2k-3)^2\}$ |
| 484 | 2 | 11 | $\mathfrak{D}_{\nu+1}(lz)$ | $\mathfrak{D}_{\nu+1}(lz)\}$ |
| | | 12 | $\mathfrak{D}_{\nu}(lz)\}$ | $\mathfrak{D}_{\nu}(lz)$ |
| 509 | Table, 5 | Eq. (13.6.20) | $r^{-2n-m-1}$ | $r^{-2n+m-1}$ |
| 746 | 2 | 30 | Mieuath | Mathieu |
| 774 | Table, 8 | Eq. (22.2.9) | $\frac{\pi}{2}$ | $\frac{\pi}{8}$ |
| 778 | 2 | Eq. (22.5.28) | $C_n^{(0)}(x) = \frac{2}{n}$; $T_n(x)$ | $C_n^{(0)}(x) = \frac{2}{n}T_n(x)$ |
| 779 | Table, 5 | Eq. (22.5.48) | $n+1$ | $n+2$ |
| 782 | 2 | Eq. (22.7.24) | $T_{n+m}(x) - T_{n-m}(x)$ | $T_{n+m}(x) + T_{n-m}(x)$ |
| 797 | Table 22.7, 1 | 10 | $C^5$ | $C_5$ |
| 822 | 1 | [24.2] | $\mathfrak{S}_n^{(m)}$ | $S_n^{(m)}$ |
| 844 | Headed "3" | 32 | 17·59 | 17·19 |
| 944 | 1 | Eq. (26.5.4) | $\frac{x^a(1-x)^b}{bB(a,b)}$ | $\frac{x^a(1-x)^b}{aB(a,b)}$ |
| | 2 | Eq. (26.5.8) | " | " |

On p. 25 an explanatory footnote should be added stating that "the numbers in square brackets at the bottom of the page mean that the maximum error in a linear interpolate is $a \times 10^{-p}$ ($p$ in parentheses), and that to interpolate to the full tabular accuracy $m$ points must be used in Lagrange's and Aitken's methods for the respective functions $n^{1/r}$."

In Figure 6.1, on p. 255, the graph should be corrected so as to pass through the points (3, 2) and (4, 6).

On p. 328, in the footnotes to Table 7.9, the fraction lines have been inadvertently omitted.

On p. 752, in eq. (21.4.1), *for*

$$\left[\frac{\partial}{\partial\xi}\left(\frac{h_\eta\, h_\varphi}{h_\xi}\right)+\frac{\partial}{\partial\eta}\left(\frac{h_\xi\, h_\varphi}{h_\eta}\right)+\frac{\partial}{\partial\varphi}\left(\frac{h_\xi\, h_\eta}{h_\varphi}\right)\right],$$

*read*

$$\left[\frac{\partial}{\partial\xi}\left(\frac{h_\eta\, h_\varphi}{h_\xi}\,\frac{\partial}{\partial\xi}\right)+\frac{\partial}{\partial\eta}\left(\frac{h_\xi\, h_\varphi}{h_\eta}\,\frac{\partial}{\partial\eta}\right)+\frac{\partial}{\partial\varphi}\left(\frac{h_\xi\, h_\eta}{h_\varphi}\,\frac{\partial}{\partial\varphi}\right)\right].$$

In Eq. (21.4.2), replace $f/2$ by $f$ in the expressions for $h_\xi$, $h_\eta$, and $h_\varphi$. The same correction should be made in the expressions for $h_\xi$ and $h_\eta$ in Eq. (21.4.3). However, in the expression for $h_\varphi$ therein,

$$\textit{for}\quad \frac{f}{2}\sqrt{(\xi^2+1)(1-\eta^2)},\quad \textit{read}\quad f\xi\eta.$$

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On p. 332, in the fourteenth line under "Notation,"

$$\textit{for}\quad \frac{\sin(\nu+\mu)\pi}{\sin\nu\pi}\,Q_\nu^{\mu}(z),\quad \textit{read}\quad \frac{\sin(\nu+\mu)\pi}{e^{i\mu\pi}\sin\nu\pi}\,Q_\nu^{\mu}(z).$$

On p. 333, in Eq. (8.3.2), *for* $P_\nu^{\mu}(z)$, *read* $P_\nu^{\mu}(x)$; and in Eq. (8.3.3), the right side should read

$$i\pi^{-1}e^{-i\mu\pi}[e^{-i\mu\pi/2}Q_\nu^{\mu}(x+i0)-e^{i\mu\pi/2}Q_\nu^{\mu}(x-i0)].$$

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**366.**—A. ERDÉLYI, W. MAGNUS, F. OBERHETTINGER & F. G. TRICOMI, *Higher Transcendental Functions*, Volume 1, McGraw-Hill Book Co., Inc., New York, 1953.

In addition to corrections previously noted (*Math. Comp.*, v. 16, 1962, p. 261, MTE **308**), on p. 144, in formula (8), *for* $i\pi e^{i\mu\pi}P_\nu^{\mu}(x)$, *read* $-i\pi e^{i\mu\pi}P_\nu^{\mu}(x)$.

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**367.**—A. ERDÉLYI, W. MAGNUS, F. OBERHETTINGER & F. G. TRICOMI, *Tables of Integral Transforms*, Volume 2, McGraw-Hill Book Co., Inc., New York, 1954.

In addition to errors previously announced (*Math. Comp.*, v. 15, 1961, pp. 319–321, MTE **304**), the following have been noted: on p. 52, in the second line of formula (34), *for* sin $[(\nu-\mu)\pi]$, *read* sin $[(\mu-\nu)\pi]$; on p. 53, in the fifth line of formula (35), *for* sin $[(\mu-\nu)\pi]$, *read* sin $[(\nu-\mu)\pi]$.

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**368.**—MARSHALL HALL, JR. & JAMES K. SENIOR, *The Groups of Order* $2^n$ ($n \leqq 6$), The Macmillan Company, New York, 1964.

On page 108, change $\alpha_2 = ab \cdot cd$ to $\alpha_2 = abcd$ for the group $16\Gamma_2 c_2$.

D. S.

**369.**—HERMAN H. LOWELL, *Tables of the Bessel-Kelvin Functions* Ber, Bei, Ker, Kei, *and their Derivatives for the Argument Range* 0(0.01)107.50, Technical Report R-32, National Aeronautics and Space Administration, Washington, D. C., 1959. (See *Math. Comp.*, v. 14, 1960, p. 81, RMT **9**.)

Comparison of the appropriate entries in the more extended approximations in Table I in the Royal Society Mathematical Tables, Volume 10 reveals the following minor corrections in the least significant digit in Lowell's tables.

| Page | Function | Argument | *For* | *Read* |
|---|---|---|---|---|
| 18 | ber | 7.30 | . . . 671 | . . . 672 |
| 19 | ber | 8.30 | . . . 998 | . . . 999 |
| | ber | 8.50 | . . . 186 | . . . 185 |
| 148 | ker | 3.40 | . . . 540 | . . . 541 |
| 151 | ker | 6.00 | . . . 084 | . . . 083 |
| | kei | 6.10 | . . 297 | . . . 296 |
| 152 | kei | 6.40 | . . . 878 | . . . 877 |
| | ker | 6.60 | . . . 525 | . . . 524 |
| | kei | 7.10 | . . . 552 | . . . 551 |
| 153 | ker | 7.70 | . . . 713 | . . . 714 |
| | kei | 7.70 | . . . 692 | . . . 691 |
| | kei | 7.80 | . . . 380 | . . . 379 |
| 154 | ker | 8.00 | . . . 068 | . . . 069 |
| | ker | 8.20 | . . . 487 | . . . 488 |
| 155 | ker | 8.90 | . . . 482 | . . . 481 |
| | kei | 8.90 | . . . 273 | . . . 272 |
| | ker | 9.00 | . . . 190 | . . . 191 |
| | kei | 9.00 | . . . 917 | . . . 916 |
| | ker | 9.10 | . . . 137 | . . . 138 |
| | kei | 9.10 | . . . 534 | . . . 533 |
| 156 | kei | 10.00 | . . . 690 | . . . 691 |

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1. ANDREW YOUNG & ALAN KIRK, *Bessel Functions*, Part IV, *Kelvin Functions*, Royal Society Mathematical Tables, v. 10, Cambridge Univ. Press, New York, 1964.

**370.**—G. W. SPENCELEY, R. M. SPENCELEY & E. R. EPPERSON, *Smithsonian Logarithmic Tables to Base e and Base* 10, The Smithsonian Institution, Washington, D. C., 1952.

The following corrections supplement those previously reported (*MTAC*, v. 10, 1956, p. 261, MTE **251**; *ibid.*, v. 11, 1957, p. 226, MTE **256**; *Math. Comp.*, v. 14, 1960, p. 308, MTE **283**; *ibid.*, v. 15, 1961, p. 113, MTE **297**).

| Page | Entry | *For* | *Read* |
|---|---|---|---|
| 250 | $\log_{10} 2384$ | . . . 58198 . . . | . . . 68198 . . . |
| 252 | $\log_{10} 2499$ | . . . 25450 . . . | . . . 26450 . . . |
| 255 | $\log_{10} 2621$ | . . . 80209 . . . | . . . 70209 . . . |
| 256 | $\log_{10} 2655$ | . . . 46254 . . . | . . . 45254 . . . |

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**371.**—FREDERICK C. KENT & MAUDE E. KENT, *Compound Interest and Annuity Tables*, first edition, McGraw-Hill Book Company, Inc., New York, 1926.

In addition to errors announced previously [1] in Table X of this compilation, the following corrections are required in Tables VII–IX (pp. 186–188).

| $p$ | $i$ | Table | *for* | *read* |
|---|---|---|---|---|
| 4 | $1\frac{3}{8}\%$ | VII | 1.0034 199 161 | 1.0034 199 162 |
| | | VIII | 0.0136 796 644 | 0.0136 796 649 |
| | | IX | 1.0051 416 196 | 1.0051 415 802 |
| 4 | $1\frac{5}{8}\%$ | VII | 1.0040 429 561 | 1.0040 379 762 |
| | | VIII | 0.0161 718 244 | 0.0161 519 049 |
| | | IX | 1.0048 340 631 | 1.0060 732 860 |
| 6 | $1\frac{1}{8}\%$ | VII | 1.0018 662 609 | 1.0018 662 709 |
| | | VIII | 0.0111 975 655 | 0.0111 976 253 |
| | | IX | 1.0046 826 669 | 1.0046 773 034 |
| 12 | $1\frac{1}{8}\%$ | VII | 1.0009 326 955 | 1.0009 327 005 |
| | | VIII | 0.0111 923 460 | 0.0111 924 057 |
| | | IX | 1.0051 511 979 | 1.0051 458 349 |

These tables are reproduced without change in books by Dyess & Gilmore [2] and by Mackenzie [3], and in a second publication [4] of the authors. Corresponding corrections are accordingly required in these books.

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1. *Math. Comp.*, v. 18, 1964, pp. 347–348, MTE **349**.
2. W. B. DYESS & R. O. GILMORE, *Mathematics of Business and Finance*, first edition, McGraw-Hill, New York, 1942.
3. D. H. MACKENZIE, *Mathematics of Finance*, first edition, McGraw-Hill, New York, 1937.
4. F. C. KENT & M. E. KENT, *Mathematical Principles of Finance*, second edition, McGraw-Hill, New York, 1927.

EDITORIAL NOTE: A total of eight additional errors in Table X, as well as a single error in Table IV, are noted in A. FLETCHER, J. C. P. MILLER, L. ROSENHEAD & L. J. COMRIE, *An Index of Mathematical Tables*, second edition, Addison-Wesley, Reading, Mass., 1962, v. II, p. 868.

**372.**—L. POTIN, *Formules et Tables Numériques relatives aux Fonctions Circulaires, Hyperboliques, Elliptiques*, Gauthier-Villars, Paris, 1925.

The following corrections supplement those previously announced in this journal (*MTAC*, v. 1, 1943–1945, pp. 125, 329; *ibid.*, v. 3, 1948/1949, p. 278).

| Page | Entry | *for* | *read* |
|---|---|---|---|
| 97 | $\pi^{-2}$ | 0.1013210 | 0.1013212 |
| | $\pi^{-1/2}$ | 0.5941896 | 0.5641896 |
| 98 | $\pi^{1/3}$ | 1.464670 | 1.464592 |
| | $\pi^{10}$ | 93647.968374 | 93648.047476 |
| | $\pi^{-9}$ | .000033 | .000034 |
| | $(\pi/6)^{1/3}$ | 0.806000 | 0.805996 |
| | $(6/\pi)^{1/3}$ | 1.240700 | 1.240701 |
| 441 | $e^{0.40}$ | 1.4018 | 1.4918 |
| 443 | $e^{\pi}$ | 23.1407024 | 23.1406926 |
| | $e^{e}$ | 15.1542632 | 15.1542622 |

The error noted in $\pi^{-2}$ systematically vitiates the accuracy of the next eight integer multiples of that constant, tabulated directly thereunder. (Thus, for example, $9\pi^{-2}$ as tabulated is too low by 15 units in the last decimal place.)

On p. 98 the entry $\pi^{-1/3}$ is erroneously duplicated, so that the tabular value 0.466194 should correctly correspond to $\pi^{-2/3}$ rather than to $\pi^{-1/3}$.

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