so that

$$\sum_{n=1}^{M} \operatorname{Tan}^{-1} \frac{1}{F_{2n+1}} + \operatorname{Tan}^{-1} \frac{1}{3} = 2\sum_{n=1}^{M} \operatorname{Tan}^{-1} \frac{1}{L_{2n}} + \operatorname{Tan}^{-1} \frac{1}{L_{2M+2}}$$

The limit on the left tends to $\operatorname{Tan}^{-1}1 + \operatorname{Tan}^{-1}1/3 = \operatorname{Tan}^{-1}2$ and the right-hand side tends to this same limit and since $\operatorname{Tan}^{-1}1 / L_{2M+2} \to 0$, then

Theorem 6:

$$\sum_{n=1}^{\infty} \operatorname{Tan}^{-1} \frac{1}{L_{2n}} = \operatorname{Tan}^{-1} \frac{\sqrt{5} - 1}{2} = \frac{1}{2} \operatorname{Tan}^{-1} 2 \quad .$$

Compare with Theorem 5 in Part IV.

We shall continue this interesting discussion in the next issue.

CORRECTIONS FOR VOLUME 1, NO. 2

Page 45: In the tenth line up from the bottom, the subscripts on the Fibonacci numbers should be reversed.

Page 47: Replace "Lamda" by "Lambda" in the title.

Page 52: In line 6, replace (R^n) with $\lambda(R^n)$.
In line 12, the author's name is Jekuthiel Ginsburg.

Page 55: In problem H-18, part a, replace $=$ by $\doteq$.

Page 57: In E2, replace $\frac{a}{d}, \frac{b}{d}$ with $\left(\frac{a}{d}, \frac{b}{d}\right)$.

Page 58: Add three dots after the 4 on the last line.

Page 60: The title "Letters to the Editor" was omitted from Fibonacci Formulas, and, in that article, the "Correct Formula" due to the late Jekuthiel Ginsburg is $F_{n+2}^3 - 3F_n^3 + F_{n-2}^3 = 3F_{3n}$.

CORRECTIONS FOR VOLUME 1, NO. 2

Page 68: The right side of identity xix should read

$$\frac{1}{2}\,(F_{n+1}^2 - F_nF_{n-1} - 1)\ ,$$

and in identity xx, the subscript n-1 should be n-i.
The correct page number in reference 1 is 98.

Page 75: Insert three dots after β^2, in line 15.

Page 80: In the last line, replace pN by $p \mid N$ and $p(2 \cdot 3 \cdot 5 \cdots p_n)$ by $p \mid (2 \cdot 3 \cdot 5 \cdots p_n)$.

Page 81: Replace $T_n + 1$ by T_{n+1} in the left side of the first displayed equation.

Page 86: In B-12, $L_{n+1} = (a_{rs})$, $a_{34} = i = \sqrt{-1}$ instead of zero.

Page 87: Change the equations in problem B-16 to read

$$R = \begin{pmatrix} 0 & 0 & 1 \\ 0 & 1 & 2 \\ 1 & 1 & 1 \end{pmatrix}$$

$$R^n = \begin{pmatrix} F_{n-1}^2 & F_{n-1}F_n & F_n^2 \\ 2F_{n-1}F_n & F_{n+1}^2 - F_{n-1}F_n & 2F_nF_{n+1} \\ F_n^2 & F_nF_{n+1} & F_{n+1}^2 \end{pmatrix}$$

See also solution in this issue.

Page 88: See the last written line for notational error due to exclamation point punctuation.