

# ERRATA IN MY PAPER "ON A SPECIAL CLASS OF POLYNOMIALS"\*

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This paper contains a number of disturbing misprints: Equation (2) p. 560 should read

$$G_{p^f}(x) = a_0 x^{p^f m} + a_1 x^{p^f(m-1)} + \cdots + a_{m-1} x^{p^f} + a_m x.$$

Line 17 p. 561 read  $A_p(x) \times B_p(x)$  instead of  $A_p(x) B_p(x)$ .

The term *perfect* (vollkommen) in Theorem 1 is used in the sense of Steinitz, *Algebraische Theorie der Körper*, edited by Hasse and Baer, pp. 50-51.

Line 21 p. 562 should read

$$F_p(x) = Q_p(x) \times (x^p - \alpha x) + A x.$$

Equation (9) p. 562 should read

$$A = a_0 \alpha^{(p^m-1)/(p-1)} + a_1 \alpha^{(p^{m-1}-1)/(p-1)} + \cdots + a_{m-2} \alpha^{p+1} + a_{m-1} \alpha + a_m.$$

In the expression line 9 p. 563 the last term should be  $A_n^{(n)} x$ .

Equation (17) p. 564 should read

$$F_n(x) = F_{n-1}(x)^p - F_{n-1}(\omega_n)^{p-1} F_{n-1}(x).$$

Line 8 from below p. 574 should read

$$B_p^{(1)}(x) \times B_p(x) \equiv x \pmod{A_p(x)}.$$

In line 2 from below p. 575 the last term is

$$A_p^{(1)} B_p(x) A_p^{(1)^{-1}} \times A_p^{(1)}(x).$$

Line 18 p. 576 read  $x^p - \omega^{p-1} x$ .

Line 12 p. 580 read  $F_p(x) = x^{p^f} \times G_p(x)$ .

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\* These Transactions, vol. 35 (1933), pp. 559-584.