Errata
to
Pioneers of Representation Theory:
Frobenius, Burnside, Schur, and Brauer
by
Charles W. Curtis
December 8, 2010

The author wishes to thank readers who sent him corrections and comments.

page 64, line 11 up. Replace $\sum(S)x_S$ in the displayed formula by $\sum(S)y_S$.

page 96, Footnote 7. Replace the text of the footnote by: From the Evening News (London), Wednesday, August 31, 1927, page 6, in a two column section headed "SPORTS GOSSIP" with the subheading "This Evening's Attack on Cycling Records" by F. H. Wyld—A. L. Gracie's Rugger Plans—The Passing of an Old Cantab.

page 131, line 21. Delete [253].

page 168, line 14 up. Replace "$H^2(H, \mathbb{C})$" by "$H^2(H, \mathbb{C}^*)$", where $\mathbb{C}^*$ denotes the multiplicative group of $\mathbb{C}$.

page 203, line 3 up in the paragraph in the middle of the page. Delete: ", which had been conjectured by Dickson,".

page 223, line 16 up. Replace "Dickson's conjecture" by "what is now called the Albert-Brauer-Hasse-Noether theorem".

page 227, line 2 after the first quotation, and in the title of [234]. Replace *Algebren* by *Algebra*.

page 227, line 1 of the second quotation. After "example" add: [giving a counterexample to statement (4) in the letter from Noether to Brauer quoted above].

page 229, part (iii) of Theorem 3.5. After "matrix group", add "associated with the unit factor set".

page 232, line 3 after Theorem 3.9. Delete the sentence beginning "Dickson conjectured...". For reasons I won't go into here, I had believed that Dickson had stated in his book [111] the conjecture that division algebras over number fields are cyclic algebras. This was a mistake. I do not find such a conjecture stated in Dickson's book [111] or in papers written at about the same time by Dickson and Wedderburn.

page 232, line 5 after Theorem 3.9. Replace the sentence beginning "The problem about..." by "There was keen interest on both sides of the Atlantic in the problem of classifying division algebras over the field of rational numbers. As the center of such a division algebra is an algebraic number field, the problem is equivalent to classifying central division algebras over number fields".

page 232, line 4 after the quotation. Replace "a proof of Dickson's conjecture" by "the classification of rational division algebras".

page 232, line 1 above Theorem 3.10. Replace "Dickson's conjecture" by "The following theorem".

page 235, line 1 of Section 1. Replace "Dickson's conjecture" by "the Albert-Brauer-Hasse-Noether Theorem".

page 241, mid page, line after displayed formula for $c_{k\ell}$. Replace "for all i and j by "for all k and ℓ".

page 263, line 3 of Theorem 3.10 and page 264, line 4. Replace 7912 by 7920 $(= 8 \cdot 9 \cdot 10 \cdot 11)$.

page 282, reference [253]. Replace the citation by: "Schur, I., *Beiträge zur Theorie der Gruppen linearer homogener Substitutionen*, Trans. Amer. Math. Soc. **10** (1909), 159-175; Ges. Abh. I, 295-311". (This reference is cited on page 223, mid page.)

page 282, reference [254]. After "Schur, I.", insert "*Zur Theorie der linearen homogenen Integralgleichungen*, Math. Ann. **67** (1909), 306-339; Ges. Abh. I, 312-345;" and continue with the second reference for [254] with *Bemerkungen zur Theorie der...* as in the text.