A BIBLIOGRAPHICAL INDEX FOR *THE PRINCIPLES OF MATHEMATICS*

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This is the second bibliographical index to be published in *Russell*, the first being that to *A History of Western Philosophy*. The present index has been supplied to complement the textual studies of *The Principles of Mathematics* that have appeared here since 1984.[1] The edition indexed is that of 1937, which includes a very few corrections to the text and a new Introduction, whose references are also included. There has been only one pagination in the English-language editions.

Although Russell, who wrote his own general index, included therein almost all the authors he cited by name, he missed some of the page references. He excluded those works he cited but for which he did not name an author. E.g., he omitted himself as an author whose works he refers to a total of eighteen times; another example is Moore's article "Nativism and Empiricism". Moreover, many of his citations are incomplete (e.g., many of those to Cantor) and some are inaccurate, albeit in minor ways. Sometimes Russell referred to works by such phrases as "Chasles's great work on descriptive Geometry" or "Cremona's projective Geometry" or "the German encyclopaedia of mathematics". These definite descriptions have been converted to names. And Russell did not always refer to Frege's works by the abbreviations he established on page 500 (e.g. at p. 515n.).

[1] Kenneth Blackwell, "Part I of *The Principles of Mathematics*", *Russell*, n.s. 4 (1984): 171–88; Michael Byrd, "Part II of *The Principles of Mathematics*", n.s. 7 (1987): 60–70; Byrd, "Part V of *The Principles of Mathematics*", n.s. 14 (1994): 47–86; Byrd, "Parts III–IV of *The Principles of Mathe* n.s. 16 (1996): 145–69; Byrd, "Part VI of *The Principles of Mathematics*", n.s. 19 (1999): 39–61.

russell: the Journal of Bertrand Russell Studies
The Bertrand Russell Research Centre, McMaster U.
n.s. 20 (winter 2000–01): 141–50
ISSN 0036-0163I

Some references are only lightly implied by their context, but it seemed best to include them (e.g., those to Scott and Sterne). For scholarly study it is useful to have all such references identified and expanded. There are a total of 166 here, of which a goodly number do not appear in the companion volumes of the *Collected Papers*. Russell alluded to the presence of such a large number of citations to the professional literature when he wrote to Alys Russell on 15 June 1902: "I am working very hard, reading the literature of my subject, now that I have finished writing about it. I can insert learned footnotes in the proofs." As the textual history of the *Principles* shows, he did so.

There is an item of minor interest, noticed in checking the entries, which concerns Russell's knowledge of Frege. The *Principles* has four references to Frege's "Über Begriff und Gegenstand", which is a reply to a work by Benno Kerry. Kerry then referred to this work of Frege's in his *System einer Theorie der Grenzbegriffe* (Leipzig: Deuticke, 1890), p. 43. Russell owned Kerry's book and marked this page with an undated note signifying his intention to see the item. Thus Russell was aware that *some* people had been reading Frege before him.

In the entries below "RL" means that the book is in Russell's Library as it was received at McMaster; the notation does not extend to offprints to be found there.

The following bibliographical sources have been of unusual assistance: for Schröder, Irving Anellis, "Schröder Material at the Russell Archives", *Modern Logic*, 1 (winter 1990/91): 237–47; G. H. Moore, *Zermelo's Axiom of Choice: Its Origins, Development, and Influence* (New York: Springer-Verlag, 1982); I. Grattan-Guinness, *The Search for Mathematical Roots, 1870–1940* (Princeton U.P., 2000); and the unpublished, consolidated bibliographical index to *The Collected Papers of Bertrand*. I wish to thank I. Grattan-Guinness, Andrew Irvine and Gregory Moore for advice on draft entries.

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