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The Peirce Papers: A Supplementary Catalogue

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Richard S. Robin

## The Peirce Papers: A Supplementary Catalogue

THE PRESENT catalogue<sup>1</sup> is a supplement to my *Annotated Catalogue of the Papers of Charles S. Peirce* (Amherst: University of Massachusetts Press, 1967). The supplement was necessitated by the discovery in the summer of 1969 in Houghton Library at Harvard University of a substantial number of Peirce's manuscripts whose existence was not known at the time the collection of Peirce's manuscripts was reorganized and my *Annotated Catalogue* prepared.<sup>2</sup> It was also necessitated by a decision of the Harvard Philosophy Department to microfilm the newly discovered papers and make the film available to students and scholars in the form of a supplement to the Microfilm Edition of the Charles S. Peirce Papers.<sup>3</sup>

The discovery or, more accurately, the rediscovery of some Peircean manuscripts did not come as a complete surprise to those of us who have recently been working with the main collection in Houghton. We knew, for example, that two notebooks, which were known to have existed, were missing. One of them was labeled "Whewell" and had in fact been catalogued (MS 586) and microfilmed because of the existence and availability of a positive in Carolyn Eisele's possession. The other notebook—labeled "Multitude and Continuity"—is important for its dating of Peirce's first acquaintance with Cantor's work. Presumably the eighth lecture of the series of lectures on pragmatism, which Peirce delivered at Harvard in the spring of 1903, it was catalogued as MS 316a in the hope that some day it would turn up.<sup>4</sup> It is worth noting, too, that some of the material recovered, apart from the two notebooks that had been missing and were presumed to be lost, bore traces of having been examined by Hartshorne and Weiss

with a view to inclusion in the *Collected Papers*. What came as a surprise then was not so much the recovery of two notebooks among the other Peirce material, or even the existence of Peirce material other than the notebooks, but the sheer weight of that material and the quality of some of it.

Quantitatively speaking, the logical and, to a lesser extent, the mathematical papers lead the way. This of course is not unexpected in view of the quantitative distribution of those of Peirce's papers of which the *Annotated Catalogue* provides an account. Even so the new material manages to convey something of Peirce's wide-ranging activities and interests. Qualitatively speaking, the most significant items are the notebooks, of which there are sixteen, and those pages that were removed from the Lowell Lecture (1903) notebooks (see MSS 455, 456, 458, 459, 464, and 474).

In point of fact the Lowell Lecture clippings represent but a small part of the material that turned out to be pages missing from manuscripts previously catalogued and microfilmed. Indeed over one-third of the new material could be so placed. In a few important cases, previously incomplete manuscripts were completed. More frequently, however, the new material yielded partial drafts or simply variant pages—drafts or variants which Peirce himself had rejected as inferior to what later superseded them. But in some cases, Peirce rejected material solely for the purpose of reducing the length of a manuscript so that it might serve better for an hour's lecture or for an article or chapter of a book. In these cases the rejected material is sometimes as interesting and as important as the material retained.

The supplementary catalogue has been divided into three parts. Part I comprises the large number of pages missing from manuscripts already catalogued and microfilmed. The manuscript numbers are those of the *Annotated Catalogue* and there are, in all, 94 such entries. Undoubtedly there would have been more of them, if more time had been given over to the task of identification and reassembling. To the original manuscript number "s" is suffixed in order to allow for more precise reference. The papers will be merged, but the assumption is that very few will have access to the originals compared to the users of the microfilm edition. The same practice of employing suffixes is adopted for Part III, which comprises the items of correspondence of which there are relatively few. These items were, for the most part, placed with previously catalogued correspondence, in which case the

*Annotated Catalogue* numbers prevailed. New catalogue numbers were provided in two cases (L 319a and L 714a). The second of the new numbers is given to a collection of Henry Peirce's letters, donated in January 1970 by Mrs. Margaret Nichols Hardenbergh, a daughter of Harry Peirce Nichols, who himself was a cousin of C. S. Peirce. For Part II a new set of manuscript numbers is given, beginning with 1 and ending with 104, "S" prefixed to indicate that they are supplementary.

The form of the catalogue, that is, its manner of presenting the relevant information concerning each entry, follows, with only slight variations, the pattern of the *Annotated Catalogue*. Parts II and III parallel the corresponding parts of the *Annotated Catalogue*. For Part II, each entry is presented in an arrangement of six or seven parts: Title (the ones I provide serve as brief descriptions of the contents and always appear within brackets), Peirce's abbreviated title or mark (always placed within parentheses), type of material (manuscript, typescript, or other), publication date, pagination, and comments, although in only relatively few cases were comments provided. For Part III, the form is the same simplified one used in the *Annotated Catalogue*. The correspondents are listed in alphabetical order, with letters or letter drafts noted, along with dates, if known.<sup>5</sup>

The form adopted for Part I is a compromise. It was deemed impractical to duplicate all the information originally given in the *Annotated Catalogue*, either separately or in conjunction with a new description that combined different sets of information about the same catalogue entry. Providing more than just the original manuscript entry number also seemed desirable. Thus, in addition to the *Annotated Catalogue* entry number, the title, as it was originally given, was also duplicated. Again, the title is either Peirce's (full or abbreviated or both) or, in the absence of one of Peirce's, one invented by me to serve as a brief description of the contents of the manuscript. Pagination and an occasional comment complete the presentation. Peirce's reviews, the identification of which—for both catalogues—is in terms of Burks's bibliographical designations, are the exception. Unless there is notice to the contrary, all entries under Part I are manuscripts, unpublished and undated. If the manuscript is a notebook, this fact is reported. So, too, are titles, even when the title varies only slightly from the title as it originally appeared in the *Annotated Catalogue* and as it reappears in the supplement.

**Abbreviations**

A	Autograph
CP	<i>Collected Papers of Charles Sanders Peirce</i> , 8 vols., eds. Hartshorne, Weiss, and Burks (Cambridge, Mass.: Harvard University Press, 1931–1958), cited by volume and paragraph (or page).
G, N	Arthur W. Burks’s “Bibliography of the Works of Charles Sanders Peirce,” <i>Collected Papers</i> , Vol. VIII, pp. 260–321. G stands for Part I of the Bibliography (General); N for Part II (Items from <i>The Nation</i> ), cited by year and item number.
MS, MSS	Manuscript(s)
n.d.	No date
n. p.	No place, i.e., of publication
sup.	Max H. Fisch’s “A First Supplement to Arthur W. Burks’s Bibliography of the Works of Charles Sanders Peirce” in <i>Studies in the Philosophy of Charles Sanders Peirce, Second Series</i> , eds. Moore and Robin (Amherst: University of Massachusetts Press, 1964), pp. 477–485.
TS	Typescript

**PART I**

- 20(s). Logic of Quantity (Logic of Quantity)  
1 p.
- 70(s). Analysis of some Demonstrations concerning definite Positive Integers (N)  
Notebook, “A New Deduction of the Properties of Positive Integers,” August 9–12, 1906, 19 pp.
- 145(s). An Attempt to state systematically the Doctrine of the Census in Geometrical Topics or Topical Geometry, more commonly called “Topologie” in German Books; Being A Mathematical-Logical Recreation of C. S. Peirce following the lead of J. B. Listing’s paper in the “Göttinger Abhandlungen”  
Notebook, “An Attempt to state systematically the Doctrine of the Census in Geometrical Topic or Topical Geometry, more commonly known as ‘Topology’; Being A Mathematical-Logical Recreation of C. S. Peirce following the lead of J. B. Listing’s paper in the

- Göttinger Abhandlungen," 28 pp. Under "Part I. Preliminary Considerations. Chapter I. Logic" is a discontinued discussion of existential graphs.
- 153(s). On the Problem of Coloring a Map (4 Colors)  
1 p. (p. 3).
- 156(s). Map Coloring Vol. IV  
Small notebook, "Map Coloring Vol. III," September 9, 1899,  
39 pp.
- 159(s). Notes on Listing  
1 p. (p. 8).
- 253(s). Logical Analysis of Some Demonstrations in High Arithmetic (D)  
2 pp. (D 23—changed to 26—and unnumbered).
- 257(s). [On the Properties of Space]  
2 pp.
- 270(s). Test—Example of Mathematical Reasoning  
2 pp.
- 282(s). The Basis of Pragmaticism (BP)  
2 pp. (pp. 10–11).
- 283(s). The Basis of Pragmaticism (Basis)  
1 p. (p. 3, with unrelated notes on verso).
- 290(s). Issues of Pragmaticism (CP)  
12 pp. (pp. 44–53, with variant pp. 3 and 44). Pages 44–53 are a draft of CP 5.438–463.
- 293(s). (PAP)  
1 p. (p. 25).
- 296(s). The First Part of an Apology for Pragmaticism (A)  
1 p. (p. A/2).
- 298(s). Phaneroscopy ( $\phi$  and  $\phi\text{av}$ )  
1 p. (p. 11, *ter* recontinued).
- 316a(s). Multitude and Continuity  
Notebook, 16 pp. This notebook was previously listed as missing. It begins with a description of the state of chemistry at the time Peirce took his degree in that subject and goes on to compare the rate of advance of chemistry with that of mathematics, in the course of which the "extraordinary mathematical development of the general doctrine of multitude" is noted. Peirce writes of his own contributions of 1867 and 1881 to that doctrine, acknowledging however the leadership of Cantor. But Dedekind is mentioned in connection with Peirce's defense of the priority of his own investigations. The notebook concludes with the start of an explanation of the system of existential graphs.

- 318(s). Pragmatism (Prag)  
1 p. (p. 18).
- 323(s). (Prag)  
1 p.
- 337(s). Logic viewed as Semeiotics. Introduction. Number 2.  
Phanerescopy  
11 pp. (pp. 0–10).
- 428(s). Chapter II. Section II. Why Study Logic? (Logic II, ii)  
1 p.
- 435(s). On Detached Ideas in General, and on Vitrally Important  
Topics as Such (1898)  
1 p. (p. 22, converted to p. 24 in final numbering).
- 447(s). [Lowell Lectures (1903). Lecture I]  
2 pp. (pp. 1 and 3).
- 455(s). [Lowell Lectures (1903). Lecture II]  
16 pp. [pp. 2–9; 31–34; 29–35 (verso, odd numbers only)]. These  
pages were removed by Peirce from the notebook previously cata-  
logued as MS. 455.
- 456(s). Lowell Lectures. Lecture 2. Vol. 2  
15 pp. (pp. 40; 47–56; 48; 3 pp. verso). These pages were re-  
moved by Peirce from the notebook previously catalogued as  
MS. 456.
- 458(s). Lowell Lectures. 1903. Lecture 3. 1st draught  
9 pp. (pp. 5–7; 5–9; 5). These pages were removed by Peirce from  
the notebook previously catalogued as MS. 458.
- 459(s). Lowell Lectures. 1903. Lecture 3  
2 pp. (p. 1 and verso). This leaf was removed by Peirce from the  
notebook previously catalogued as MS. 459.
- 464(s). CSP's Lowell Lectures of 1903. Part 1 of 3rd draught of  
3rd Lecture  
15 pp. [pp. 2–4 (even numbers); 66–68 (even numbers); 70–90 (even  
numbers)]. These pages were removed by Peirce from the notebook  
previously catalogued as MS. 464.
- 474(s). [Lowell Lectures (1903). Lecture VII]  
3 pp. (pp. 120–124, even numbers only). These pages were removed  
by Peirce from between pp. 112 and 114 of the notebook previously  
catalogued as MS. 474.
- 478(s). Syllabus of a course of Lectures at the Lowell Institute be-  
ginning 1903, Nov. 23. On Some Topics of Logic (Syllabus)  
5 pp. (pp. 15, 137, 154, and unnumbered).
- 480(s). On Logical Graphs (Acad. Graphs)  
p. 1.

- 499(s). On the System of Existential Graphs Considered as an Instrument for the Investigation of Logic  
Notebook, 53 pp. The first few pages of this notebook continue and conclude those of MS. 499. The rest of the notebook, consisting of 39 pp., bears the title "First Scheme for Monist 1907 Jan." and is unrelated to the first part.
- 516(s). On the Basic Rules of Logical Transformation  
1 p. (p. 42).
- 526(s). Logic of Relatives. No. 2  
1 p. (p. 5).
- 527(s). On the Algebra of Logic  
2 pp. (MS. and TS.).
- 577(s). Algebra of the Copula  
1 p.
- 586(s). Whewell  
Notebook, 38 pp. This notebook was previously reported as missing.
- 601(s). (L)  
2 pp. (pp. 9–10), with calculation on verso.
- 608(s). Chapter III. The Nature of Logical Inquiry (Liii)  
1 p. (p. 2), with calculation on verso.
- 616(s). An Appraisal of the Faculty of Reasoning (Reason)  
1 p.
- 617(s). (Reason)  
1 p. (p. 3).
- 620(s). Essays Toward the Interpretation of Our Thoughts. My Pragmatism (Meaning Pragmatism)  
1 p.
- 629(s). Studies in the Meanings of Our Thoughts. What is the Aim of Thinking, considered in Two Chapters. Chapter I. The Fixation of Belief (Meaning)  
1 p.
- 673(s). A Sketch of Logical Critic  
4 pp., all of which are an "Analysis of my Sketch of Logical Critic as far as written."
- 677(s). A Sketch of Logical Critic  
2 pp.
- 686(s). Reflexions upon Reasoning  
1 p.
- 690(s). On the Logic of drawing History from Ancient Documents especially from Testimonies (Logic of History)  
1 p. ["Note on Aristotle's Writings" (Logic of Ancient History)].



- 693(s). Reason's Conscience: A Practical Treatise on the Theory of  
Discovery; Wherein logic is conceived as Semeiotic  
3 pp. (pp. 256–260, even numbers only).
- 712(s). (Kempe)  
2 pp. ("Kempe substitutes for #73–77").
- 717(s). Chapter II. The Categories  
1 p.
- 736(s). Qualitative Logic  
1 p.
- 748(s). Logic: and the Methods of Science. Book I. Formal Logic.  
Chapter I. The Modus Ponens  
TS., with corrections in Peirce's hand, 22 pp. (pp. 1–20; 1–2.)
- 478b(s). [Outline and First Chapter of a Book on Probability]  
TS. and MS., "Logic. Chapter I. Of Thinking as Cerebration,"  
2 pp.
- 748c(s). [Draft of "The Observable Element in Mathematics"]  
TS., 3 pp. (pp. 1–3, incomplete).
- 787(s). That Categorical and Hypothetical Propositions are one in  
essence, with some connected matters  
2 pp. (pp. 6–7).
- 813(s). [Logic and Mathematics]  
4 pp. [pp. 2, 4 (L of A) and 2 pp. verso].
- 839(s). [Fragments]  
TS. (corrected), 1 p.
- 842(s). A Neglected Argument for the Reality of God (G)  
9 pp. [pp. 40, 58, 76 (G), and 6 pp.].
- 844(s). Additament to the Article A Neglected Argument for the  
Reality of God  
1 p., with calculation on verso.
- 861(s). [On Religious Belief, The Efficacy of Prayer, and Proof of  
God's Reality]  
11 pp., with one of these pages titled: "Answers to Questions about  
my Belief as to God."
- 885(s). Dmesis  
2 pp.
- 900(s). Logic of Mathematics: An attempt to develop my categories  
from within (L of M)  
10 pp.
- 901(s). One, Two, Three: Fundamental Categories of Thought  
and Nature  
15 pp. (pp. 81–95).

- 904(s). [Firstness, Secondness, and Thirdness]  
5 pp.
- 921(s). [Fragments from a Treatise on Metaphysics]  
2 pp.
- 923(s). [Ten Irreducible Conceptions and Their Combinations]  
4 pp.
- 939(s). Notes on Portions of Hume's "Treatise of Human Nature"  
2 pp.
- 956(s). The Architecture of Theories  
1 p.
- 957(s). [Evolutionary Love]  
16 pp. and 3 pp.
- 958(s). Reply to the Necessitarians  
2 pp.
- 961(s). The Law of Mind and Our Glassy Essence  
1 p. Draft of CP 6.112.
- 1029(s). [Fragments on Michelson-Morley Experiment on the Drift  
of Earth through the Ether]  
5 pp. (calculations on verso of some).
- 1034(s). [Notes on Acetylene]  
6 pp. (pp. 20–24 and 1 p. the number of which is uncertain).
- 1122(s). [Announcement of a Lecture or Lectures on the Topic of  
Great Men]  
2 pp.
- 1147(s). [Definitions for *Baldwin's Dictionary*]  
7 pp. Definitions of "Individual," "Mnemonic Verses (words),"  
"Modus Ponens," "True."
- 1148(s). [Notes for *Baldwin's Dictionary*]  
5 pp.
- 1170(s). [Notes for Contributions to the *Century Dictionary*]  
Notebook, 30 pp., exclusive of 42 pp. (21 leaves) that had been  
removed, of which some may be found in 1170.
- 1171(s). [*Century Dictionary* Supplement]  
1 p.
- 1186(s). Spelling (S)  
1 p. (p. 15).
- 1204(s). [English Orthography]  
4 pp. (pp. 3–6).
- 1251(s). [Fragment on Numerals]  
2 pp.
- 1255(s). [Lines from Browning Ending in the Letter K]  
1 p.

- 1261(s). [Fragments]  
1 p.
- 1269(s). The History of Science (HSi)  
1 p. (p. 39).
- 1316(s). The World of Science (Science)  
2 pp. (pp. 4-5).
- 1348(s). Report on Mr. Woolf's process of Bleaching  
2 pp.
- 1356(s). [The St. Lawrence River Power Plant Engineering Project]  
1 p.
- 1359(s). Copy of Part of my Report to Morison  
1 p. ("Advice to the Numerical Computer").
- 1369(s). G-c. 1885-3  
11 pp., 4 pp., 2 pp., 1 p., and a TS. of 18 pp., entitled "An American Plato," with 23 pp. of manuscript material.
- 1374(s). N-1892-3  
2 pp.
- 1375a(s). N-1892-6  
1 p.
- 1382(s). N-1893-3  
1 p.
- 1390(s). N-1894-3  
16 pp., with 8 pp. of variants.
- 1391(s). N-1894-4  
3 pp. and 1 p.
- 1404(s). G-1896-2  
1 p.
- 1408(s). N-1897-4  
1 p.
- 1409(s). Draft of a review of C. R. Condor's *The Hittites and Their Language*, 1898  
1 p.
- 1411b(s). N-1898-12  
8 pp. and 7 pp.
- 1432(s). N-1900-3 I  
1 p. (p. 11).
- 1439a(s). N-1901-1 I  
2 pp. (pp. 2-3).
- 1447a(s). N-1902-2  
Page proof, corrected.
- 1451(s). N-1902-8  
1 p. (p. 7).

- 1452(s). N-1902-11  
2 pp. (pp. 2-3, incomplete).
- 1467(s). N-1903-7  
1 p. (p. 4).
- 1468(s). N-1903-9  
1 p.
- 1488a(s). N-1904-20  
12 pp.
- 1489(s). Draft review of Carveth Read's *Metaphysics of Nature*, 1905  
5 pp.
- 1489a(s). N-1905-1  
2 pp.
- 1490a(s). N-1905-2  
1 p.
- 1490b(s). N-1905-4  
1 p.
- 1491(s). N-1905-5  
1 p.
- 1492(s). N-1905-7  
12 pp.
- 1493(s). N-1905-8  
1 p. (p. 3).
- 1493a(s). N-1905-9  
5 pp.
- 1495(s). N-1905-15  
3 pp.
- 1496(s). N-1905-18  
3 pp.
- 1497(s). N-1905-19  
pp. 7, 13, 20 and 1 p. Verso contains draft (1 p.) of MS. 1499 (N-1905-28) and 1 p. (Santayana/2).
- 1497a(s). N-1905-24  
1 p.
- 1499(s). N-1905-28  
1 p. (p. 5).
- 1502(s). N-1906-1  
5 pp.
- 1509a(s). N-1907-4  
4 pp. (pp. 1-4).
- 1511(s). Draft review of J. McKeen Cattell's *American Men of Science: A Biographical Directory* (2nd edition, 1910)  
8 pp. (pp. 1-6; 2-3).

- 1514(s). Translation of Dr. Marey's *Exhibition of Instruments and Photographs appertaining to the History of Chronophotography*  
1 p. (p. 58).
- 1519(s). Translation of Henri Poincaré's *The Relation of Mathematics to Physics*  
4 pp. (pp. 8–11).
- 1569(s). [On Political Economy]  
1 p.

## PART II

### MATHEMATICS

- S 1. Notes on the Theory of Multitude  
A. MS., notebook, n.p., 1903, 61 pp.  
The notebook is numbered to p. 85. The material beginning with p. 61 pertains to existential graphs.
- S 2. [Topical Singularities]  
A. MS., small notebook, n.p., October 5, 1904, 34 pp.  
Apart from the mathematical notes, there are sparse notes—dated April 15, 1889—concerned principally with flowering plants and originally intended as a record of plantings at Arisbe, CSP's estate near Milford, Pa.
- S 3. [Sketchbook]  
A. MS., notebook, 1908–1911, 63 pp.  
Of mathematical interest is a proof of the census theorem, a quasi-definition of whole numbers, a problem of projective geometry, and an improved analysis of continuity. In addition there is material on the map coloring problem, forms of relative syllogisms, existential graphs (in particular, the system of existential graphs in an examination of itself) and “A little exercise in making a Conjectures [*sic*].”
- S 4. Logical Studies of the Theory of Number  
A. MS., n.p., n.d., 1 p.
- S 5. [Geometry]  
A. MS., n.p., n.d., 1 p. (TS. “Geometrical Notation”), pp. 22–23, 53, 57, 62, 67, with 1 p. (Application of Projective Geometry to Metrics) and 3 pp.
- S 6. [Topical Singularities]  
A. MS., n.p., n.d., pp. 2–3.
- S 7. The Five Fundamental Numbers of Intersectional Geometry  
A. MS., n.p., n.d., p. 1.
- S 8. [Space and Time]  
A. MS., n.p., n.d., 1 p.

- S 9. [Properties of Space]  
A. MS., n.p., n.d., 3 pp., with an additional page which may be related.
- S 10. Properties of Space  
A. MS., n.p., n.d., p. 1.
- S 11. [Linear Subsequence]  
A. MS., n.p., n.d., 4 pp.
- S 12. [Rakers and Rakees]  
A. MS., n.p., n.d., 42 pp.
- S 13. [Diagrams of Spirals]  
A. MS., n.p., n.d., 3 diagrams.
- S 14. The Question of Infinitesimals  
A. MS., n.p., n.d., pp. 1–6.
- S 15. [On a Disagreement with Georg Cantor]  
A. MS., n.p., n.d., 1 p.
- S 16. [Rational Fractions: Mathematical Recreations]  
A. MS., n.p., n.d., 5 pp.
- S 17. Mathematics: A Manual for the Million (Manual)  
A. MS., n.p., May 14, 1910, pp. 1–4.
- S 18. Topics. Chapter I. Singular Systems  
A. MS., n.p., n.d., 5 pp. and 1 p. (“Topics. Part I. Of Integers”).
- S 19. Chapter I. The arithmetic of modulus two  
A. MS., n.p., n.d., p. 1.
- S 20. Arithmetic Whole Numbers, Addition  
A. MS., n.p., n.d., pp. 1–3, incomplete.
- S 21. A Problem in Arithmetic  
A. MS., n.p., n.d., p. 1.
- S 22. [Transformation from the Decimal to the Secundal System]  
A. MS., n.p., n.d., 3 pp.
- S 23. Note to P  
A. MS., n.p., n.d., 1 p.  
Related to determinant work in MS. 165.
- S 24. Egyptian Arithmetic  
A. MS., n.p., n.d., 8 pp.
- S 25. [Mathematics: Fragments]  
A. MS., n.p., n.d., over 200 pp.

#### LOGICAL GRAPHS

(See also 499(s), S 1, S 3, and S 46.)

- S 26. The Alpha Part of Existential Graphs  
A. MS., notebook, n.p., n.d., pp. 284–320, even numbers, corrected.

- S 27. Graphs, Little Account  
A. MS., notebook, n.p., n.d., pp. 1–23.
- S 28. Existential Graphs  
A. MS., notebook, n.p., n.d., 28 pp. (conventions) and 17 pp. (transformation rules).
- S 29. Existential Graphs. The Initial Conventions  
A. MS., portion of a notebook, n.p., n.d., 11 pp., with another page of notes.
- S 30. [Logical Graphs]  
A. MS., G-1905-1f, pp. 1–3, with 3 pp. of variants (Copy B); 5 pp. (of which four are p. 2) (Copy R); 1 p. (Copy S); pp. 1–20, with 4 pp. of variants (Copy T); pp. 1–8, 1–8 (Copy U); 1 p. (Copy W); pp. 1–6, with 3 pp. of variants (Copy X); pp. 1–2 and 1 p. (Copy Y); 8 pp. (Unmarked).  
Only a part of Copy T (pp. 16–20) was published: CP4.564n<sup>1</sup>.
- S 31. [Lecture on Logical Graphs]  
A. MS., n.p., n.d., pp. 2–20 (with a few exceptions, even numbers throughout); 2–6; 2, 2, 3, 10; 12–14; 12, 15, 18, 20, 22; 23–25; 30, 32, 36, 42; 40–48; 70–74; 82; 96–98; 108; 114–118; 116–118; 116–118; 118; 156; 200–224 (also 3 pp. verso); 2 pp. and 1 p.  
These pages run brokenly to p. 224, with a profusion of drafts. Page 2 begins with “Ladies and Gentlemen” and certainly suggests a lecture.
- S 32. [Graphs]  
A. MS., n.p., n.d., pp. 32–37.
- S 33. Existential Graphs  
A. MS., n.p., n.d., 15 pp.
- S 34. [Logical Graphs]  
A. MS., n.p., n.d., 4 pp., 6 pp., 4 pp., and 19 pp. (loose).
- S 35. Description of the Graphical Representation of Relations  
A. MS., n.p., n.d., 12 pp., representing several starts.
- S 36. [Graphs: Fragments]  
A. MS., n.p., n.d., 24 pp.

## GENERAL LOGIC

- S 37. Boolean Algebra—First Lecture  
TS., n.p., n.d., 6 pp. and 1 p.
- S 38. Boolean Algebra—Elementary Explanations  
TS., n.p., n.d., 3 pp. and 3 pp. (“Boolean Algebra”).
- S 39. Boolean Algebra  
A. MS., n.p., n.d., 4 pp.

- S 40. The Graph of Boolean Algebra  
A. MS., n.p., n.d., 1 p.
- S 41. Outline of Logic. Chapter I. Boolean Algebra  
TS., n.p., n.d., 2 pp.
- S 42. The Light of Logic. Chapter I. Boolean Algebra  
TS., n.p., n.d., 2 pp.
- S 43. Construction of Boole's System  
A. MS., n.p., n.d., 1 p.
- S 44. A Comparative and Critical Synopsis of the Considerable Methods of Logical Representations (Synopsis)  
A. MS., n.p., n.d., pp. 1–2.  
Nine methods are listed, with a tenth method left unspecified. The nine methods, as listed, are: I. Traditional Method by Words; II. Aristotle's (conjectured) Diagrams; III. Hamilton's Notation; IV. De Morgan's Spicular Notation; V. Boole's Algebra of Logic; VI. Jevons's Modification of Boole's Algebra; VII. Peirce's Algebra of 1870; VIII. Peirce's Universal Algebra; IX. Peirce's Algebra of Dyadic Relatives.
- S 45. Studies on the Classification and Nomenclature of Dyadic Relations  
A. MS., notebook, n.p., n.d., 8 pp.
- S 46. [Provisional Tables of the Division of Signs]  
A. MS., notebook, n.p., n.d., 9 pp., three of which concern logical graphs.
- S 47. (Plan)  
A. MS., n.p., n.d., pp. 2–17; 7–9.  
Introductory pages to a planned book on the theory and art of reasoning.
- S 48. The Rules of Right Reasoning  
A. MS., n.p., n.d., 1 p.
- S 49. [Reasoning]  
A. MS., n.p., n.d., 3 pp.
- S 50. [Reasoning]  
TS., G-1877-5a, 2 pp.
- S 51. [On Reasoning]  
A. MS., n.p., n.d., pp. 3–4, 6, 7–8, and 7 pp., thematically related.
- S 52. [Reason and Logic]  
A. MS., n.p., n.d., 2 pp.
- S 53. Concerning the Facts of Observation at the Basis of Logic (F of O)  
A. MS., n.p., c. 1899/1900, pp. 1–2.
- S 54. [Rational Assurance]  
A. MS., n.p., late, 5 pp.



- S 55. [The Feeling of Logicity]  
A. MS., n.p., n.d., pp. 27–28.
- S 56. [Definition, Proposition, and Exactitude]  
A. MS., n.p., n.d., 7 pp.
- S 57. [Common Sense, Instinct, and the Philosophy of David Hume]  
A. MS., n.p., n.d., 5 pp.
- S 58. The Vindication of Susan  
A. MS., n.p., n.d., pp. 1–3.  
An exercise in practical logic.
- S 59. [Exercises in Reasoning]  
A. MS., n.p., n.d., 8 pp.
- S 60. [Syllogistic Reasoning]  
A. MS., n.p., n.d., 8 pp.
- S 61. On Balancing Arguments  
A. MS., n.p., n.d., pp. 1–2.  
Reasoning applied to card playing (bridge).
- S 62. [On Card Play and Card Tricks]  
TS., n.p., n.d., 1 p.
- S 63. “Memoranda Concerning the Aristotelian Syllogism”  
Printed. Distributed at the Lowell Institute, November 1866. No  
corrections or other alterations by Peirce. See G-1866-2b and CP  
2.792–807.
- S 64. [Logic: Fragments]  
A. MS., n.p., n.d., over 100 pp.

#### MISCELLANEOUS

- S 65. Aphorismi Urbigerani  
A. MS., notebook (cover missing), n.p., c. 1856, 12 pp.
- S 66. [Early Reflections on Metaphysics]  
A. MS., n.p., n.d., 15 pp.  
Some of these pages consist of notes on H. L. Mansel’s *The Limits of Religious Thought Examined*.
- S 67. [Categorical Distinctions: Secondness and Thirdness]  
A. MS., n.p., n.d., pp. 2, 10–11, 10–14, 15, 21, 25–27, 26–28.
- S 68. [Continuity and Infinity]  
A. MS., n.p., n.d., 4 pp. and 2 pp.  
Draft of CP 6. 120–5.
- S 69. [Continuity and Evolutionism]  
A. MS., n.p., n.d., 1 p.  
Draft of Prospectus of *Principles*. See G-c.1893–5, and also S 99.

- S 70. [Synechism]  
A. MS., n.p., c. 1892/1893, 6 pp.  
Draft of MS. 886.
- S 71. [Evolution]  
A. MS., n.p., n.d., 3 pp., with an additional 3 pp. of notes.
- S 72. [Mind and Matter]  
A. MS., n.p., n.d., 1 p.
- S 73. The Miracle  
A. MS., n.p., n.d., 1 p., incomplete.
- S 74. [Scientific Attitudes toward Telepathy, Spiritualism, and Miracles]  
A. MS., n.p., c. 1890, 3 pp.
- S 75. [History of Science: Galileo]  
A. MS., n.p., n.d., pp. 40, 44–48 (even numbers only).
- S 76. Notes to Pearson's Grammar of Science  
A. MS., notebook, n.p., n.d., 13 pp.
- S 77. Essays on the Reasoning of Science. My Plea for Pragmatism  
A. MS., n.p., n.d., 2 pp.
- S 78. [Judgment, Representation, and Action]  
A. MS., n.p., n.d., 5 pp.
- S 79. [Definition and Purpose]  
A. MS., n.p., n.d., 1 p.
- S 80. [Ethics, Esthetics, and Normative Science]  
A. MS., n.p., n.d., pp. 11–12.
- S 81. [Hedonism]  
A. MS., n.p., n.d., 1 p.
- S 82. Humanism  
A. MS., n.p., n.d., 2 pp.
- S 83. [The Problem of Observing and Describing Character]  
A. MS., n.p., n.d., 2 pp.
- S 84. [Theodore Roosevelt: The Sunday Sale of Beer and the Abuses of Power]  
A. MS., n.p., n.d., 1 p.
- S 85. [The Silver Question and International Bimetallism]  
A. MS., n.p., n.d., 1 p.
- S 86. Calculus of Wealth  
A. MS., n.p., n.d., 3 pp.
- S 87. [Calculation for CSP's paper "On the Ghosts in Rutherford's Diffraction—Spectra"]  
A. MS., n.p., c. 1879, 3 pp.  
See G-1879-3.

- S 88. [Coast Survey Specifications for a Hammond Machine]  
A. MS., n.p., n.d., 4 pp.
- S 89. Questions  
A. MS., n.p., n.d., 1 p.  
The degree of freedom a rigid body has under varying circumstances.
- S 90. [Chemical Formulae and Stereochemical Diagrams]  
A. MS., n.p., n.d., pp. 4 and 6.
- S 91. [Chemistry]  
A. MS., n.p., n.d., 5 pp. and 1 p.
- S 92. [Food Energy]  
A. MS., n.p., n.d., 1 p.
- S 93. [Title and Half-title Pages of *La Grand Marnière* by Georges Ohnet]  
Two notes by Peirce: "The Marquess of Clairfont is C. S. P. to a dot"  
and a brief comment on the merits of the novel.
- S 94. [Note on Hamlet]  
A. MS., n.p., n.d., 1 p.
- S 95. Note on the Meaning of the Innovations in Dress which the  
3 brothers adopted  
A. MS., n.p., n.d., 2 pp.
- S 96. [*Century Dictionary*]  
Proofs of *Century Dictionary* diagrams, c. 1889, 5 pp.
- S 97. [Definitions]  
A. MS., n.p., n.d., pp. 183–184, 207, 208–212, 237, and 1 p.  
The terms defined are as follows: "Control," "Dead," "Deduction,"  
"Fermatian Demonstration."
- S 98. [Notes for Dictionary or Thesaurus]  
A. MS., n.p., n.d., 3 pp., 2 pp., 3 f.v.
- S 99. [Prospectus of *The Principles of Philosophy*]  
A. MS., n.p., n.d., 3 pp. ("Copy A") and 3 pp.  
Drafts of CP 8, pp. 282–283. See also S 69.
- S 100. Part 2. Register of the Past Year  
A. MS., n.p., n.d., 2 pp. and 1 p. ("Part 4. Handbook of Everyday  
Information").
- S 101. [Clocks and Clockmakers]  
A. MS., n.p., n.d., 2 pp. and 1 p. (p. 3).
- S 102. The Old Stone Mill at Newport  
A. MS., n.p., n.d., pp. 1, 5, 8.  
See G-1884-8.
- S 103. [Copy of the Prayer for the Church Militant at Holy Com-  
munion in the Episcopal Church]  
A. MS., n.p., n.d., pp. 1–6

This prayer Peirce knew by heart. Apparently he was timing his writing speed.

S 104. [Miscellaneous Fragments]

A. MS., n.p., n.d., over 150 pp.

A variety of topics are covered here. Among them are those concerned with signs and their classification, pragmatism, the categories, the distinction between reality and existence, the physical and psychical, the history of science, and the place of philosophy, including its branches, among the sciences. In addition there is a paper entitled "Of the Qualities of Qualities" and notes on definitions (for dictionary application).

**PART III**

*CORRESPONDENCE*

- L 67(s). Calderoni, Mario. Two-page fragment (C. S. Peirce's), undated.
- L 68(s). Calvi, Mr. "Calvi's Guides": One-page (C. S. Peirce's), undated.
- L 107(s). Curtis, Matthew Mattoon. Letter draft from C. S. Peirce. Six pages (pp. 2, 5-7, 21, and unnumbered), undated.
- L 232a(s). Kempe, Alfred Bray. "Note to a Memoir on the Theory of Mathematical Form by A. B. Kempe, M. A., F. R. S." The Note is Kempe's. It begins as follows: "An interesting letter of criticism from Professor C. S. Peirce. . . ."
- L 237(s). Ladd-Franklin, Christine. One-page fragment (C. S. Peirce's), undated.
- L 286(s). Michaelis, O. E. Letter draft from C. S. Peirce, 14 July 1885.
- L 293(s). *Mind* (editor). One-page fragment (C. S. Peirce's), undated.
- L 299(s). Moore, Eliakim H. The last page of a letter draft (C. S. Peirce's), 20 March 1902.
- L 319a. *New York Sun* (editor). Letter draft from C. S. Peirce, c. 1906 (December). See sup G-1906-5.
- L 463(s). Welby, Lady Victoria. One-page fragment (C. S. Peirce's) undated.
- L 483(s). Unidentified Correspondents. Letter drafts (C. S. Peirce's) to editors of unidentified newspapers. One-page (Querist/2), undated.

- L 484(s). Unidentified Correspondents. Fragments of letters of C. S. Peirce, undated. One-page fragment.
- L 714a. Hardenbergh Collection (Henry Peirce). The following letters to Henry Peirce (B.A. Harvard College 1808; died 1863) were received from Mrs. Clarence Hardenbergh (January 1970):
1. From his brother, Benjamin Peirce, Salem, 12 October 1804
  2. From his father, Jerathmael Peirce, Salem, 14 July 1807 ("Cuppy")
  3. From George Homer, Cashier of Boston State Bank, 22 April 1831
  4. From George Homer, Cashier of Boston State Bank, 28 April 1831 ("Duties of the Second Bookkeeper")
  5. From T. Chamberlain, Boston State Bank, 17 October 1863
- There is also a letter to Henry Peirce's widow from C. H. Smith, Cashier of Boston State Bank, 21 December 1863. For letters from Henry Peirce to his brother, Benjamin Peirce, in the years 1826–1827, see L 679.

*Mount Holyoke College*

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## Notes

1. This supplementary catalogue, like its predecessor, reflects the labor of more than one person. Carolyn Eisele, who was first on the scene, did a preparatory sorting of the papers. Later she helped to improve on two of the mathematical entries. Victor Lenzen provided helpful information on still another entry. As before, Max H. Fisch, aided by Ruth B. Fisch, deserves the principal credit for the kind of preliminary editorial work involved in identifying, classifying, and reassembling those papers that had become separated, and Peirce scholars will continue to be indebted to him. Acknowledgments of indebtedness are also directed to the Houghton Library for the provision of generous space in which to work, the Harvard Philosophy Department for its cooperation and, in three instances, for its permission to quote from the papers, and Mount Holyoke College for a research grant that made concentrated work on the papers possible.

2. It is uncertain exactly how or when the discovered papers became separated from the pack and then forgotten. Professor Max Fisch is of the opinion that they became separated sometime in the middle 1940's. Relevant information will be gratefully received from anyone who remembers having seen any of these papers.

### *Supplementary Catalogue 57*

3. Inquiries concerning both the Microfilm Edition and its Supplement should be addressed to the Harvard University Library Microreproduction Service, Widener Library, Cambridge, Massachusetts.
4. This is the notebook that Arthur Burks mentions in his bibliography of the works of Peirce (*CP* viii, p. 295) and that Murray Murphey also mentions in a footnote (p. 240) of *The Development of Peirce's Philosophy* (Cambridge, Mass.: Harvard University Press, 1961).
5. For more detailed information concerning the form of this catalogue, see my *Annotated Catalogue*, pp. xviii–xxii.