

THE JOURNAL OF PHILOSOPHY
PSYCHOLOGY
AND
SCIENTIFIC METHODS

VOL. XV. No. 1: JANUARY 3, 1918

CONTENTS

<i>Fate and Free Will: C. A. STRONG</i>	5
<i>The Philosophy of Loyalty: A. K. ROGERS</i>	9
<i>Reviews and Abstracts of Literature:</i>	
<i>Husik's A History of Medieval Jewish Philosophy: NIMA HIRSCH-ENSOHN ADLERBLUM</i>	22
<i>Journals and New Books</i>	25
<i>Notes and News</i>	27

PUBLISHED FORTNIGHTLY

O 1246

report what Shakespeare has to say to the present generation. For that task a first requisite will be an understanding of the relationship of politics, philosophy, and poetry. "There is more of a nation's politics to be gotten out of its poetry," says Woodrow Wilson, "than out of all its systematic writers upon public affairs and constitutions." The function of the philosopher, says William James, is "indistinguishable from that of the best kind of statesman at the present day." Taken together, those two sentences make clear a truth to which our abject slavery to words has long blinded us: that politics, philosophy, and poetry are not separate things, but three forms, rather, of the same quest, three modes of the same activity. Each, in its purity, is a manifestation of the creative spirit. In a liberal society, each will draw nourishment from the other two. Command of these three P's, indeed, is as indispensable for creative leadership in the affairs of civilization as command of the three R's is for the business of everyday life.

SWARTHMORE COLLEGE

HAROLD GODDARD.

A LIST OF ARTICLES, MOSTLY BOOK REVIEWS, CONTRIBUTED BY CHARLES S. PEIRCE TO "THE NATION" TO WHICH IS APPENDED SOME ADDITIONS TO THE BIBLIOGRAPHY OF HIS PUBLISHED WRITINGS
IN THIS JOURNAL, DECEMBER 21, 1916

- Lazelle, Capt. H. M., One Law in Nature. *Nation*, Vol. 17, No. 419.
 Newcomb, S., Popular Astronomy. Vol. 27, No. 683.
 Read, C., Theory of Logic, 1878. Vol. 28, No. 718.
 Rood, O. N., Modern Chromatics, 1879. Vol. 29, No. 746.
 Note on the *American Journal of Mathematics*. Vol. 29, No. 756.
 Jevons, W. S., Studies in Deductive Logic, 1880. Vol. 32, No. 822.
 Ribot, Th., The Psychology of Attention, 1890. Vol. 50, No. 1303.
 James, W., The Principles of Psychology, 1890. Vol. 53, Nos. 1357 and 1358.
 Comte, A. (F. Harrison, editor), The New Calendar of Great Men, 1892. Vol. 54, No. 1386.
 Lobatchewsky, N. (Translator: G. B. Halsted), Geometrical Researches on the Theory of Parallels, 1891. Vol. 54, No. 1389.
 Lombroso, C., The Man of Genius, 1891. Vol. 54, No. 1391.
 Note on William James' abridgment of his Psychology, 1892. Vol. 54, No. 1394.
 McClelland, W. J., A Treatise on the Geometry of the Circle, 1891. Vol. 54, No. 1395.

¹ Unless otherwise stated all references are found in *The Nation*.

- Buckley, Arabella B., Moral Teachings of Science, 1892. Vol. 54, No. 1405.
 Hale, E. E., A New England Boyhood, 1893. Vol. 57, No. 1468.
 Mach, E. (Translator: T. J. McCormack), The Science of Mechanics, 1893. Vol. 57, No. 1475.
 Ritchie, D. G., Darwin and Hegel, 1893. Vol. 57, No. 1482.
 Huxley, T. H., Method and Results, 1893. Vol. 58, No. 1489.
 Scott, Sir Walter, Familiar Letters of Sir Walter Scott. Vol. 58, No. 1493.
 Gilbert, W. (Translator: P. F. Mottelay), Magnetic Bodies. Vol. 58, No. 1494 and No. 1495.
 Forsyth, A. R., Theory of Functions of a Complex Variable, 1893; and Harkness, J., A Treatise on the Theory of Functions, 1893; and Picard, E., Traité d'analyse, 1893. Vol. 58, No. 1498.
 A Short Sketch of Helmholtz, Sept. 13, 1894. Vol. 59, No. 1524.
 Windfuhr, W. (Translator: J. H. Tufts), A History of Philosophy; and Falkenberg, R. (Translator: A. C. Armstrong), History of Modern Philosophy; and Bascom, J., An Historical Interpretation of Philosophy; and Burt, B. C., A History of Modern Philosophy. Vol. 59, Nos. 1526 and 1527.
 Spinoza (Translators: W. H. Wright and Amelia H. Stirling), Ethics, 1894. Vol. 59, No. 1532.
 Watson, J., Comte, Mill, and Spencer, 1895. Vol. 60, No. 1554.
 Jones, H., A Critical Account of the Philosophy of Lotze, 1895; and Eberhard, V., Die Grundbegriffe der ebenen Geometrie, 1895; and Klein, F. (Translator: A. Ziwet), Riemann and his Significance for the Development of Modern Mathematics, 1895; and Davis, N. K., Elements of Inductive Logic, 1895. Vol. 61, No. 1566.
 Benjamin, P., The Intellectual Rise in Electricity, 1895. Vol. 62, No. 1592.
 Baldwin, J. M., The Story of the Mind, 1898. Vol. 67, No. 1737.
 Darwin, G. H., The Tides and Kindred Phenomena in the Solar System, 1898. Vol. 67, No. 1747.
 Marshall, H. R., Instinct and Reason, 1898. Vol. 68, No. 1774.
 Britten, F. J., Old Clocks and Watches and their Makers, 1899. Vol. 69, No. 1778.
 Renouvier, Ch., et Prat, L. La Nouvelle Monadologie, 1899. Vol. 69, No. 1779.
 Mackintosh, R., From Comte to Benjamin Kidd, 1899; and Moore, J. H., Better-World Philosophy, 1899. Vol. 69, No. 1784.
 Ford, P. L., The Many-sided Franklin, 1899. Vol. 69, No. 1793.
 Avenel, G. d', Le Mécanisme de la vie moderne, 1900. Vol. 70, No. 1805.

- Reid, W., Memoirs and Correspondence of Lyon Playfair, 1899. Vol. 70, No. 1806.
- Stevenson, F. S., Robert Grosseteste, 1899. Vol. 70, No. 1816.
- Thilly, F., Introduction to Ethics, 1900. Vol. 70, No. 1825.
- Wallace, A. R., Studies, Scientific and Social, 1900. Vol. 72, No. 1854.
- Sime, J., William Herschel and His Work, 1900. Vol. 72, No. 1856.
- Rand, B. (Editor), The Life, Unpublished Letters, and Philosophical Regimen of Anthony Earl of Shaftesbury, 1900; and Robertson, J. M. (Editor), Characteristics of Men etc., by Shaftesbury, 1900. Vol. 72, No. 1857.
- Bacon, Rev. J. M., By Land and Sea, 1901. Vol. 72, No. 1865.
- Jordan, W. L., Essays in Illustration of the Action of Astral Gravitation in Natural Phenomena, 1900. Vol. 72, No. 1876.
- Goblot, E., Le Vocabulaire Philosophique, 1901. Vol. 72, No. 1877.
- Fraser, A. C. (Editor), The Works of George Berkeley, 1901. Vol. 73, No. 1883.
- Frazer, P., Bibliotics, 1901. Vol. 73, No. 1883.
- Caldecott, A., The Philosophy of Religion in England and America, 1901. Vol. 73, No. 1885.
- Review of four physical books. Vol. 73, No. 1887.
- Maher, M., Psychology: Empirical and Rational, 1901. Vol. 73, No. 1892.
- Mezes, S. E., Ethics, 1901. Vol. 73, No. 1895.
- Report of the Meeting of the National Academy of Sciences, Philadelphia, 1901. Vol. 73, No. 1899.
- Crozier, J. B., History of Intellectual Developments on the Lines of Modern Evolution. Vol. III., 1901, Vol. 74, No. 1908.
- Richardson, E. C., Classification, Theoretical and Practical, 1901. Vol. 74, No. 1913.
- Vallery-Radot, R. (Translator: Mrs. R. L. Devonshire), The Life of Pasteur. Vol. 74, No. 1914.
- Giddings, F. H., Inductive Sociology, 1902. Vol. 74, No. 1918.
- Report on the Meeting of the National Academy of Sciences, Washington, D. C., 1902. Vol. 74, No. 1921.
- Emerson, E. R., The Story of the Vine, 1902. Vol. 74, No. 1926.
- Joachim, H. H., A Study of the Ethics of Spinoza, 1901. Vol. 75, No. 1932.
- Review of four chemistry text-books, 1902. Vol. 75, No. 1934.
- Royce, J., The World and the Individual, Vol. II., 1901. Vol. 75, No. 1935. (For a review of Vol. I., probably by Peirce, see 1900, Vol. 70, No. 1814.)
- Thorpe, T. E., Essays in Historical Chemistry, 1902. Vol. 75, No. 1938.

- Paulsen, F., Immanuel Kant: His Life and Doctrine, 1902. Vol. 75, No. 1941.
- Aikens, H. A., The Principles of Logic, 1902. Vol. 75, No. 1942.
- Drude, P., The Theory of Optics, 1902. Vol. 75, No. 1944.
- Valentine, E. S., Travels in Space, 1902; and Walker, F., Aerial Navigation, 1902. Vol. 75, No. 1947.
- Baillie, J. B., The Origin and Significance of Hegel's Logic, 1901. Vol. 75, No. 1950.
- Forsyth, A. R., Theory of Differential Equations, Vol. IV., 1902. Vol. 75, No. 1952.
- Ellwanger, G. W., The Pleasures of the Table, 1902. Vol. 75, No. 1955.
- Earle, Alice M., Sundials and Roses of Yesterday, 1902. Vol. 75, No. 1956.
- Smith, Rev. T., Euclid: His Life and System, 1902. Vol. 76, No. 1961.
- Report on the Meeting of the National Academy of Sciences, Washington, D. C., 1903. Vol. 76, No. 1974.
- Hibben, J. G., Hegel's Logic, 1902. Vol. 76, No. 1977.
- Mellor, J. W., Higher Mathematics for Students of Chemistry and Physics, 1903. Vol. 76, No. 1977.
- Sturt, H. C. (Editor), Personal Idealism, 1902. Vol. 76, No. 1979.
- Baldwin, J. M., Dictionary of Philosophy and Psychology, Vol. II., 1902. Vol. 76, No. 1980.
- Note on Kant's Prolegomena edited in English by Dr. P. Carus, 1903. Vol. 76, No. 1981.
- Smith, N., Studies in the Cartesian Philosophy, 1902. Vol. 77, No. 1985.
- Hinds, J. I. D., Inorganic Chemistry, 1902. Vol. 77, No. 1986.
- Clerke, Agnes M., Problems in Astrophysics, 1903. Vol. 77, No. 1987.
- Michelson, A. A., Light Waves and their Uses, 1903; and Fleming, J. A., Waves and Ripples in Water, 1902. Vol. 77, No. 1989.
- Note on Sir Norman Lockyer. Vol. 77, No. 1904.
- Note on British and American Science, 1903. Vol. 77, No. 1906.
- Welby, Lady Victoria, What is Meaning? 1903; and Russell B., The Principles of Mathematics, 1903. Vol. 77, No. 1998.
- Note on the Practical Application of the Theory of Functions, 1903. Vol. 77, No. 1999.
- Fahie, J. J., Galileo. Vol. 78, No. 2015.
- Halsey, F. A., The Metric Fallacy, and Dale, S. S., The Metric Failure in the Textile Industry. Vol. 78, No. 2020.
- Newcomb, S., The Reminiscences of an Astronomer, 1903. Vol. 78, No. 2021.
- Boole, Mrs. M. E., Lectures on the Logic of Arithmetic, 1903; and

- Bowden, J., Elements of the Theory of Integers, 1903. Vol. 78, No. 2024.
- Report on the Meeting of the National Academy of Sciences, Washington, D. C., 1904. Vol. 78, No. 2026.
- Lévy-Bruhl, L. (Translator: Kathleen de Beaumont-Klein), The Philosophy of Auguste Comte, 1903. Vol. 78, No. 2026.
- Turner, W., History of Philosophy, 1903. Vol. 79, No. 2036.
- Duff, R. A., Spinoza's Political and Ethical Philosophy. Vol. 79, No. 2038.
- Allbutt, T. C., Notes on the Composition of Scientific Papers, 1904. Vol. 79, No. 2039.
- Sylvester, J. J., The Collected Mathematical Papers of, Vol. I. Vol. 79, No. 2045.
- Renouvier, Ch., Les Derniers Entretiens, 1904, and Dewey, J., Studies in Logical Theory, 1903. Vol. 79, No. 2046.
- Royce, J., Outlines of Psychology. Vol. 79, No. 2048.
- Straton, G. M., Experimental Psychology and its Bearing upon Culture. Vol. 79, No. 2055.
- Report on the Meeting of the National Academy of Sciences, New York, 1904. Vol. 79, No. 2057.
- Boole, Mrs. M. E., The Preparation of the Child for Science, 1904. Vol. 80, No. 2062.
- Royce, J., Herbert Spencer, 1904. Vol. 80, No. 2065.
- Strutt, R. J., The Becquerel Rays and the Properties of Radium, 1904. Vol. 80, No. 2066.
- Schuster, A., An Introduction to the Theory of Optics, 1904. Vol. 80, No. 2071.
- Findlay, A., The Phase Rule and its Application, 1904. Vol. 80, No. 2074.
- Report on the Meeting of the National Academy of Sciences, Washington, D. C., 1905. Vol. 80, No. 2078.
- Flint, R., Philosophy as Scientia Scientiarum, 1904; and Peirce, C. S., A Syllabus of Certain Topics of Logic, 1903. Vol. 80, No. 2079.
- Arnold, R. B., Scientific Fact and Metaphysical Reality, 1904, also a Note on Mendeleeff's Principles of Chemistry. Vol. 80, No. 2083.
- Note on Ida Freund's The Study of Chemical Composition. Vol. 80, No. 2086.
- Carnegie, A., James Watt, 1905. Vol. 80, No. 2087.
- Ross, E. A., Foundations of Sociology, 1905, and Sociological Papers, 1905; published by the Sociological Society. Vol. 81, No. 2089.
- Wundt, W. (Translator: E. B. Titchener), Principles of Physiological Psychology, 1904. Vol. 81, No. 2090.

- Roscoe, H. E., A Treatise on Chemistry, Vol. I., 1905, and de Fleury, M., Nos Enfants au Collège, 1905. Vol. 81, No. 2097.
- Varigny, H. de, La Nature et la Vie, 1905. Vol. 81, No. 2101.
- Note on Mr. G. W. Hill's Moon Theory. Vol. 81, 2103.
- Report on the Meeting of the National Academy of Sciences, New Haven, 1905. Vol. 81, No. 2108.
- Gosse, E., Sir Thomas Browne, 1905. Vol. 81, No. 2111.
- Rutherford, E., Radio-Activity, 1905. Vol. 82, No. 2116.
- Wallace, A. R., My Life, 1905. Vol. 82, No. 2121.
- Haldane, Elizabeth S., Descartes. Vol. 82, No. 2125.
- Report on the Meeting of the National Academy of Sciences, Washington, D. C., 1906. Vol. 82, No. 2130.
- Rogers, H. J. (Editor), Congress of Arts and Sciences, Universal Exposition, St. Louis, 1904. Vol. 82, No. 2136.
- Loeb, J., The Dynamics of Living Matter; and Mann, G., Chemistry of the Proteids. Vol. 83, No. 2140.
- Roscoe, H. E., The Life and Experiences of Sir Henry Enfield Roscoe. Vol. 83, No. 2141.
- Marshall, T., Aristotle's Theory of Conduct. Vol. 83, No. 2150.
- Joseph, H. W. B., An Introduction to Logic. Vol. 83, No. 2156.

OTHER ARTICLES AND REVIEWS

- Nominalism and Realism, 1868. *Jour. Speculative Philos.*, Vol. 2.
- On the Meaning of "determined," 1868. *Jour. Speculative Philos.*, Vol. 2.
- Apparatus for Recording a Mean of Observed Times, 1877. *U. S. Coast Survey*, Appendix No. 15, Report of 1875.
- Methods and Results: Measurements of Gravity, Washington, 1879.
- Methods and Results: A Catalogue of stars for observations of latitude, Washington, 1879. 4° Observatory.
- La logique de la science, 1879. *Rev. Philos.*, 6: 553, 7: 39.
- Results of Pendulum Experiments, 1880. *Am. Jour. of Sc.*, Vol. 20, Oct.
- Numerical Measure of Success of Predictions, 1884. *Science*, 4: 453.
- Old stone mill at Newport, 1884. *Science*, 4: 512.
- Criticism on "Phantasms of the Living," 1887, and Mr. Peirce's rejoinder, 1887. *Proc. Am. Soc. Psychical Research*, Vol. 1, No. 3.
- Logical Machines, 1888. *Am. Jour. of Psychology*, Vol. 1.
- Proceedings, Assay Commission, 1888. (Some joint reports on weighing.)
- The Marriage of Religion and Science, 1893. *Open Court*, Vol. 7.
- Napoleon Intime, 1893. *The Independent*, December 21 and December 28.

- Infinitesimals, 1900. *Science*, 11: 430.
- Decennial Celebration of Clark University, 1900. *Science*, 11: 620.
- Century's Great Men of Science, 1900. *The Evening Post*, Saturday, January 12, 1901. Reprinted in Smithsonian Institute Reports, 1900.
- Campanus, 1901. *Science*, 13: 809.
- A Syllabus of Certain Topics of Logic, 1903. Boston: Alfred Mudge & Son. (A four-page brochure.)
- French Academy of Science, 1904. *The Evening Post*, Saturday, March 5, 1904.
- Some Amazing Mazes, 1908. *The Monist*, Vol. 18, April and July, Vol. 19, January.
- On Non-Aristotelian Logic, 1910. (Excerpt from a letter to Carus.) *The Monist*, Vol. 20.

REVIEWS AND ABSTRACTS OF LITERATURE

A Study in the Philosophy of Bergson. GUSTAVUS WATTS CUNNINGHAM. New York: Longmans Green and Company. 1916. Pp. ix + 212.

Professor Cunningham's voice, as it sounds through the pages of *A Study in the Philosophy of Bergson*, is the voice of the Gentle Tradition in American philosophy. Suave in tone, lucid, grave, eloquent, accomplished, it laments the upgrowth of a generation of unscholarly thinkers; quotes Tennyson and T. H. Green; urges German philosophy on us before everything else; finds fault with James; takes Bergson to task and then sets him right, firmly, not unkindly, as a schoolmaster might some brilliant, but youthful and wayward, disciple. In the course of the book certain problems spring up; such problems as are likely to rise and to tower and ramify above a discussion of any particular point in philosophy whatsoever; nature of knowledge; appearance and reality; etc., etc. Professor Cunningham touches on these problems interestingly and significantly. But the center of gravity of his book is outside of any topical problem from the history of philosophy. Primarily he attempts, in his book, to draw certain inferences of constructive intent from the contradiction into which he discovers that the philosophy of Bergson has fallen. Competent critics are agreed that the philosophy of Bergson is stricken, and seriously stricken, with contradiction; but the constructions which they try to put on this contradiction are very diverse. Professor Cunningham's argument in the matter runs as follows:

Like Kant, through whom it is well that Bergson be approached

P 1247