

John J. Abel.

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In Honor of

JOHN J. ABEL

Founder of This Journal and Professor of Pharmacology The Johns Hopkins University

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## TITLES OF PAPERS BY JOHN J. ABEL

- Wie erhält sich die negative Schwankung des Nervenstroms bei Reizung der sensiblen und motorishchen Spinal-Wurzeln des Frosches? Diss. Strassburg, 1888.
- Bestimmung des Moleculargewichtes der Cholalsäure, des Cholesterins und des Hydrobilirubins nach der Raoult'schen Methode. Ber. Kais. Akad. Wiss. Wien. Math.-naturw. Classe, 1890, xcix, Abth. II b, 77-87. Monatsh. f. Chem., 1890, xi, 61-70.
- Bemerkungen über die thierischen Melanine und das Hämosiderin. Virchow's Archiv, 1890, exx, 204-217.
- On Benzylidenebiuret and Chlorbenzylidenethiobiuret. Amer. Chem. Jour., 1891, xiii, 114-119.
- Ueber ein neues Vorkommen von Carbaminsäure (With E. Drechsel). DuBois Reymond's Archiv, 1891, 236-243.
- The methods of pharmacology; with experimental illustrations. Pharmaceutical Era, 1891.
- A method of detecting and registering minute movements. University of Michigan Record, 1891, i, 35. (Title only.)
- Ueber das Vorkommen der Carbaminsäure im Menschen- und Hundeharn nach reichlichem Genuss von Kalkhydrat (With Archibald Muirhead). Arch. f. exper. Pathol. u. Pharm. 1892, xxxi, 15-30.
- Ueber das Vorkommen von Aethylsulfid im Hundeharn, über das Verhalten seiner Lösung in concentrirter Schwefelsaure gegen Oxydationsmittel und über einige Reactionen zur Auffindung der Alkylsulfide. Zeitschr. f. physiol. Chem. 1895, xx, 253-279.
- On the appearance of carbamic acid in the urine after the continued administration of lime water, and the fate of carbamic acid in the body. Johns Hopkins Hosp. Bull. 1894, v, 37-45.
- A contribution to our knowledge of organic sulphur compounds in the field of animal chemistry. Johns Hopkins Hosp. Bull. 1894, v, 123–130.
- On the use of the trichloride of acetonic acid as an anesthetic for the laboratory, with some account of its fate in the organism (With T. B. Aldrich). Science, 1895, N. S. i, 113
- On the pigment of the negro's skin and hair (With Walter S. Davis). Jour. Exper. Med., 1896, i, 361-400.
- On the blood-pressure-raising constituent of the suprarenal capsule (With Albert C. Crawford). Johns Hopkins Hosp, Bull. 1897, viii, 151-157.
- Further observations on the chemical nature of the active principle of the suprarenal capsule. Johns Hopkins Hosp. Bull. 1898, ix, 215-219.
- Ueber den blutdruckerregenden Bestandtheil der Nebenniere, das Epinephrin. Zeitschr. f. physiol. Chem., 1899, xxviii, 318-362.
- Further observations on epinephrin. Johns Hopkins Hosp. Bull. 1901, xii, 80-84.

- On the behavior of epinephrin to Fehling's solution and other characteristics of this substance. Johns Hopkins Hosp. Bull. 1901, xii, 337-343.
- On the teaching of pharmacology, materia medica and therapeutics in our medical schools. Philadelphia Med. Jour. 1900, September.
- On a simple method of preparing epinephrin and its compounds. Johns Hopkins Hosp. Bull. 1902, xiii, 29–35.
- Weitere Mittheilungen über das Epinephrin. Ber. deutsch. chem. Ges. 1903, xxxvi, 1839–1848.
- A critical review of the pharmacological action of ethyl alcohol, with a statement of the relative toxicity of the constituents of alcoholic beverages. Physiological Aspects of the Liquor Problem, edited by Billings, 1903, ii, 1-169.
- On epinephrin and its compounds, with especial reference to epinephrin hydrate.

  Amer. Journ. Pharmacy, 1903, lxxv, 301-325.
- The function of the suprarenal glands and the chemical nature of their so-called active principle. Contributions to Medical Research, dedicated to Victor C. Vaughan, 1903, 138-165.
- Darstellungen und Eigenschaften eines Abbauproductes des Epinephrins. Ber. deutsch. chem. Ges., 1904, xxxvii, 368-382.
- On the decomposition products of epinephrin hydrate (With R. deM. Taveau). Journ. Biol. Chem., 1905, i, 1-32.
- A review of "A Textbook of Pharmacology and Therapeutics, or the Action of Drugs in Health and Disease," by Arthur R. Cushny. Johns Hopkins Hosp. Bull. 1906, xvii, 169–170.
- On the behavior of frog's muscle toward acids. Journ. Biol. Chem., 1907, iii, Proc. Amer. Soc. Biol. Chem., viii-xi.
- On the poisons of Amanita Phalloides (With William W. Ford). Arch. f. exper.

  Path. Pharm. Supplement-Band, "Schmiedeberg Festschrift," 1908,
  8-15.
- On the pharmacological action of some phthaleins and their derivatives, with especial reference to their behavior as purgatives (With L. G. Rowntree). Journ. Pharm. Exper. Therap. 1909, i, 231-246.
- Report on the teaching of pharmacodynamics, in the Report of the Committee on Medical Education of the American Medical Association. Amer. Med. Ass. Bull. 5, 1909.
- On the efficacy of antimony-thioglycollic acid compounds in the treatment of experimental trypanosomiasis (With L. G. Rowntree). Journ. Pharm. Exper. Therap. 1910, ii, 101-142.
- Tetanic convulsions in frogs produced by acid fuchsin, and their relation to the problem of inhibition in the central nervous system (With H. G. Barbour). Journ. Pharm. Exper. Therap., 1910, ii, 169-179.
- The poisons of the tropical toad, Bufo Agua (With D. I. Macht). Journ. Amer. Med. Ass. 1911, lvi, 1531-1536.
- Two crystalline pharmacological agents obtained from the tropical toad, Bufo Agua (With D. I. Macht). Journ. Pharm. Exper. Therap. 1912, iii, 319-373.
- On the action of drugs and the function of the anterior lymph hearts in cardiectomized frogs. Journ. Pharm. Exper. Therap. 1913, iii, 581-608.

- On the removal of diffusible substances from the circulating blood of living animals by dialysis (With L. G. Rowntree and B. B. Turner). Journ. Pharm. Exper. Therap. 1914, v, 275-316.
- On the removal of diffusible substances from the circulating blood by means of dialysis. II. Some constituents of the blood (With L. G. Rowntree and B. B. Turner). Journ. Pharm. Exper. Therap. 1914, v, 611-624.
- Plasma removal with return of corpuscles (With L. G. Rowntree and B. B. Turner). Journ. Pharm. Exper. Therap. 1914, v, 625-641.
- On the influence of lymph hearts upon the action of convulsant drugs in cardiectomized frogs. II (With B. B. Turner). Journ. Pharm. Exper. Therap. 1914, vi, 91-122.
- Experimental and chemical studies of the blood with an appeal for more extended chemical training for the biological and medical investigator. Mellon Lecture, University of Pittsburgh, 1915.
- On the presence of albumoses in extracts of the posterior lobe of the hypophysis cerebri (With M. C. Pincoffs). Proc. Nat. Acad. Sci. 1917, iii, 507.
- On the presence of albumoses in the tissues and in the blood, with special reference to their occurrence in the gastro-intestinal mucosa (With M. C. Pincoffs and C. A. Rouiller). Amer. Journ. Physiol. 1917, xliv, 320-343.
- A national institute for drug research. Journ. Indus. and Eng. Chem. 1908, x, 969.
- On the presence of histamine (\beta-iminazolylethylamine) in the hypophysis cerebri and other tissues of the body and its occurrence among the hydrolytic decomposition products of proteins (With S. Kubota). Journ. Pharm. Exper. Therap. 1919, xiii, 243-300.
- Histamine and pituitary extracts (With D. I. Macht). Journ. Pharm. Exper. Therap. 1919, xiv, 279-293.
- On the presence of histamine in extracts of the posterior lobe of the pituitary gland and on preliminary experiments with the pressor constituent (With T. Nagayama). Journ. Pharm. Exper. Therap. 1920, xv, 347-399
- Evaluation of the hrmone of the infundibulum of the pituitary gland in terms of histamine, with experiments on the action of repeated injections of the hormone on the blood pressure (With C. A. Rouiller). Journ. Pharm. Exper. Therap. 1922, xx, 65-84.
- Some physiological properties of the constituents of Witte's peptone in anesthetized and in unanesthetized dogs (With E. M. K. Geiling and A. C. Kolls). Proc. of the XIth Internat. Physiol. Congress. Edinburgh, July 23-27, 1923.
- Further investigations on the oxytocic-pressor-diuretic principle of the infundibular portion of the pituitary gland (With C. A. Rouiller and E. M. K. Geiling). Journ. Pharm. Exper. Therap. 1923, xxii, 289-316.
- A preliminary therapeutic study of the active principle of the infundibular portion of the pituitary gland in four cases of diabetes insipidus (With E. M. K. Geiling). Journ. Pharm. Exper. Therap. 1923, xxii, 317-328.
- Some hitherto undescribed properties of the constituents of Witte's peptone (With E. M. K. Geiling). Journ. Pharm. Exper. Therap. 1924. xxiii, 1-27.

- The chemistry and function of the pituitary gland. Ind. and Eng. Chem. 1924, xvi, 1031.
- Physiological, chemical and clinical studies on pituitary principles. Harvey Lecture, delivered April 12, 1924, Reprinted from Harvey Society Lectures, 1923-24.
- Researches on Insulin. I. Is insulin an unstable sulphur compound? (With E. M. K. Geiling). Journ. Pharm. Exper. Therap. 1925, xxv, 423-448
- Researches on Insulin. I. Is insulin an unstable sulphur compound? (With E. M. K. Geiling, G. Alles and A. Raymond). Science, 1925, lxii, 169-171.
- Some further advances in our knowledge of the ductless glands. Kober Lecture, delivered March 28, 1925. Johns Hopkins Hosp. Bull., 1926, xxxviii, 1-32.
- Crystalline insulin. Proc. Nat. Acad. Sci. 1926, xii, 132-6.