

1923

1922-1923

The Rockefeller University

Follow this and additional works at: <https://digitalcommons.rockefeller.edu/semiannual-publications-rockefeller-institute>

Recommended Citation

The Rockefeller University, "1922-1923" (1923). *Semiannual List of the Publications of the Staff of the Rockefeller Institute*. 9.
<https://digitalcommons.rockefeller.edu/semiannual-publications-rockefeller-institute/9>

This Book is brought to you for free and open access by the Campus Publications at Digital Commons @ RU. It has been accepted for inclusion in Semiannual List of the Publications of the Staff of the Rockefeller Institute by an authorized administrator of Digital Commons @ RU. For more information, please contact mcsweej@mail.rockefeller.edu.

Results of the investigations conducted at The Rockefeller Institute for Medical Research, or elsewhere under its grants, are first reported in a variety of journals and publications. The Semiannual List, of which this is No. 14, gives the place of publication of the most recent reports of these investigations. It will be sent regularly on request.

SEMIANNUAL LIST OF THE PUBLICATIONS OF THE STAFF OF THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH.

NOVEMBER 1, 1922, TO MAY 1, 1923.

PATHOLOGY AND BACTERIOLOGY.

- *BROUN, G. O. Blood destruction during exercise. I. Blood changes occurring in the course of a single day of exercise. *Jour. Exp. Med.*, November 1, 1922, xxxvi, pp. 481-500.
- *——. Blood destruction during exercise. II. Demonstration of blood destruction in animals exercised after prolonged confinement. *Jour. Exp. Med.*, January 1, 1923, xxxvii, pp. 113-130.
- †——. Blood destruction during exercise. III. Exercise as a bone marrow stimulus. *Jour. Exp. Med.*, February 1, 1923, xxxvii, pp. 187-206.
- †——. Blood destruction during exercise. IV. The development of equilibrium between blood destruction and regeneration after a period of training. *Jour. Exp. Med.*, February 1, 1923, xxxvii, pp. 207-220.
- *COWDRY, EDMUND V. The supravital staining of vaccine bodies. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 667-684.
- †——. The independence of mitochondria and the *Bacillus radicolica* in root nodules. *Am. Jour. Anat.*, March 15, 1923, xxxi, pp. 339-343.
- †——. The distribution of *Rickettsia* in the tissues of insects and arachnids. *Jour. Exp. Med.*, April 1, 1923, xxxvii, pp. 431-456.
- *—— and OLITSKY, PETER K. Differences between mitochondria and bacteria. *Jour. Exp. Med.*, November 1, 1922, xxxvi, pp. 521-533.
- FLEXNER, SIMON. Vagaries of a typhoid carrier. *Health News*, January, 1923, xxxviii, pp. 4-6.
- †GATES, FREDERICK L. The cultivation of anaerobic treponemata on the surface of blood agar plates. *Jour. Exp. Med.*, March 1, 1923, xxxvii, pp. 311-317.

* To be published in *Studies XLV*. † To be published in *Studies XLVI*.

- *LONGCOPE, WARFIELD T. Insusceptibility to sensitization and anaphylactic shock. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 627-643.
- †MCMMASTER, PHILIP D., BROUN, G. O., and ROUS, PEYTON. Studies on the total bile. I. The effects of operation, exercise, hot weather, relief of obstruction, intercurrent disease, and other normal and pathological influences. *Jour. Exp. Med.*, March 1, 1923, xxxvii, pp. 395-420.
- and ROUS, PEYTON. Hydrohepatosis, a condition analogous to hydronephrosis. *Proc. Nat. Acad. Sc.*, January, 1923, ix, pp. 19-21.
- †NICHOLSON, F. M. A cytological study of the nature of *Rickettsia* in Rocky Mountain spotted fever. *Jour. Exp. Med.*, February 1, 1923, xxxvii, pp. 221-230.
- †NOGUCHI, HIDEYO. Immunity studies of Rocky Mountain spotted fever. I. Usefulness of immune serum in suppressing an impending infection. *Jour. Exp. Med.*, March 1, 1923, xxxvii, pp. 383-394.
- *OLITSKY, PETER K., and GATES, FREDERICK L. Experimental studies of the nasopharyngeal secretions from influenza patients. IX. The recurrence of 1922. *Jour. Exp. Med.*, November 1, 1922, xxxvi, pp. 501-519.
- *— and —. Experimental studies of the nasopharyngeal secretions from influenza patients. X. The immunizing effects in rabbits of subcutaneous injections of killed cultures of *Bacterium pneumosintes*. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 685-696.
- †— and —. Investigations on the bacteriology of epidemic influenza. *Science*, February 9, 1923, lvii, pp. 159-166.
- †— and —. Experimental studies of the nasopharyngeal secretions from influenza patients. XI. Antibodies in the blood after recovery from epidemic influenza. *Jour. Exp. Med.*, March 1, 1923, xxxvii, pp. 303-310.
- †— and —. Experimental studies of the nasopharyngeal secretions from influenza patients. XII. The effects of subcutaneous injections of vaccines of *Bacterium pneumosintes* in man. *Jour. Exp. Med.*, April 1, 1923, xxxvii, pp. 471-478.
- ROBERTSON, OSWALD H., and ROUS, PEYTON. Lasting individual differences in the resistance of normal bloods to shaking. *Proc. Soc. Exp. Biol. and Med.*, October 18, 1922, xx, pp. 37-38.
- †ROUS, PEYTON. Destruction of the red blood corpuscles in health and disease. *Physiol. Reviews*, January, 1923, iii, pp. 75-105.

*To be published in *Studies XLV*. †To be published in *Studies XLVI*.

- †ROUS, PEYTON, BROUN, G. O., and MCMASTER, PHILIP D. Studies on the total bile. II. The relation of carbohydrates to the output of bile pigment. *Jour. Exp. Med.*, March 1, 1923, xxxvii, pp. 421-429.
- *— and MCMASTER, PHILIP D. A method for the permanent sterile drainage of intraabdominal ducts, as applied to the common duct. *Jour. Exp. Med.*, January 1, 1923, xxxvii, pp. 11-19.
- , —, and BROUN, G. O. The experimental production of gall stones in dogs, in the absence of infection, stasis, and gall bladder influence upon the bile. *Proc. Soc. Exp. Biol. and Med.*, December 20, 1922, xx, pp. 128-130.
- , —, and DRURY, D. R. The genesis of gall stones in the dog. *Proc. Soc. Exp. Biol. and Med.*, March 21, 1923, xx, pp. 315-318.
- †UHLENHUTH, EDUARD. Further facts regarding the influence of feeding the anterior lobe of hypophysis on the rate of growth and the size of *Ambystoma tigrinum*. *Jour. Exp. Zool.*, January 5, 1923, xxxvii, pp. 101-113.
- *WEBSTER, LESLIE T. The intestinal flora in mouse typhoid infection. *Jour. Exp. Med.*, January 1, 1923, xxxvii, pp. 21-32.
- *—. Ox bile sensitization in mouse typhoid infection. *Jour. Exp. Med.*, January 1, 1923, xxxvii, pp. 33-42.
- †—. Microbic virulence and host susceptibility in mouse typhoid infection. *Jour. Exp. Med.*, February 1, 1923, xxxvii, pp. 231-267.
- †—. Contribution to the manner of spread of mouse typhoid infection. *Jour. Exp. Med.*, February 1, 1923, xxxvii, pp. 269-274.

BIOPHYSICS.

- †HUSSEY, RAYMOND G. Further observations on the influence of salts when injected into the animal body. *Jour. Gen. Physiol.*, January 20, 1923, v, pp. 359-364.
- †— and NORTHROP, JOHN H. A study of the equilibrium between the so called "antitrypsin" of the blood and trypsin. *Jour. Gen. Physiol.*, January 20, 1923, v, pp. 335-351.
- MURPHY, JAMES B., and STURM, ERNEST. Homoplastic and heteroplastic tumor grafts in the brain. *Jour. Am. Med. Assn.*, December 23, 1922, lxxix, pp. 2159-2160.

CHEMISTRY.

- *JACOBS, WALTER A., and HEIDELBERGER, MICHAEL. Certain triphenylmethane dyes. *Jour. Am. Chem. Soc.*, November, 1922, xliv, pp. 2626-2628.

* To be published in *Studies XLV*. † To be published in *Studies XLVI*.

- *LEVENE, P. A. Reduction of benzylidene-1-ethyl-2-diazogluconate. *Jour. Biol. Chem.*, December, 1922, liv, pp. 809-813.
- *——. Hydrolysis of yeast nucleic acid with dilute alkali at room temperature. (Conditions of Steudel and Peiser.) *Jour. Biol. Chem.*, January, 1923, lv, pp. 9-13.
- †——. The action of diazomethane on xanthosine. *Jour. Biol. Chem.*, March, 1923, lv, pp. 437-442.
- *—— and MEYER, G. M. On diacetone glucose. *Jour. Biol. Chem.*, December, 1922, liv, pp. 805-807.
- †—— and ——. Epiglucosamine. *Jour. Biol. Chem.*, February, 1923, lv, pp. 221-227.
- †—— and MIKESKA, L. A. On a possible asymmetry of aliphatic diazo compounds. IV. *Jour. Biol. Chem.*, April, 1923, lv, pp. 795-800.
- †—— and ROLF, IDA P. Lysolecithins and lysocephalins. *Jour. Biol. Chem.*, April, 1923, lv, pp. 743-749.
- †—— and SIMMS, HENRY S. Calculation of isoelectric points. *Jour. Biol. Chem.*, April, 1923, lv, pp. 801-813.

EXPERIMENTAL SURGERY.

- CARREL, ALEXIS. Leucocytic secretions. *Proc. Nat. Acad. Sc.*, February, 1923, ix, pp. 54-58.
- *—— and EBELING, ALBERT H. Leucocytic secretions. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 645-659.
- *FISCHER, ALBERT. Action of antigen on fibroblasts *in vitro*. II. *Jour. Exp. Med.*, November 1, 1922, xxxvi, pp. 535-546.
- . Die Gewebekultur und ihre Bedeutung in der experimentellen Medizin und Biologie. *Acta med. Scand.*, 1922, lvii, pp. 1-9.
- *DU NOÛY, P. LECOMTE. Surface tension of serum. IV. Action of temperature. *Jour. Exp. Med.*, November 1, 1922, xxxvi, pp. 547-558.
- †——. A new viscometer. *Jour. Gen. Physiol.*, March 20, 1923, v, pp. 429-440.

GENERAL PHYSIOLOGY.

- *DE KRUIF, PAUL H., and NORTHROP, JOHN H. The stability of bacterial suspensions. IV. The combination of antigen and antibody at different hydrogen ion concentrations. *Jour. Gen. Physiol.*, November 20, 1922, v, pp. 127-138.
- *—— and ——. The stability of bacterial suspensions. V. The removal of antibody from sensitized organisms. *Jour. Gen. Physiol.*, November 20, 1922, v, pp. 139-142.

* To be published in *Studies XLV*. † To be published in *Studies XLVI*.

- †HITCHCOCK, DAVID I. The ionization of protein chlorides. *Jour. Gen. Physiol.*, January 20, 1923, v, pp. 383-394.
- *LOEB, JACQUES. Sodium chloride and selective diffusion in living organisms. *Jour. Gen. Physiol.*, November 20, 1922, v, pp. 231-254.
- *— The influence of salts on the rate of diffusion of acid through collodion membranes. *Jour. Gen. Physiol.*, November 20, 1922, v, pp. 255-262.
- The explanation of the colloidal behavior of proteins. (Pasteur Lecture, delivered before the Institute of Medicine of Chicago, on November 24, 1922.) *Science*, December 29, 1922, lvi, pp. 731-741.
- †— The influence of electrolytes on the cataphoretic charge of colloidal particles and the stability of their suspensions. II. Experiments with particles of gelatin, casein, and denatured egg albumin. *Jour. Gen. Physiol.*, January 20, 1923, v, pp. 395-413.
- †— Stability of suspensions of solid particles of proteins and protective action of colloids. *Jour. Gen. Physiol.*, March 20, 1923, v, pp. 479-504.
- †— Membrane potentials and cataphoretic potentials of proteins. *Jour. Gen. Physiol.*, March 20, 1923, v, pp. 505-519.
- Potential differences and coagulation of collodion particles in aqueous suspensions. Libro en honor de D. S. Ramón y Cajal, Madrid, 1922, ii, pp. 473-478.
- *NORTHROP, JOHN H. The mechanism of the influence of acids and alkalies on the digestion of proteins by pepsin or trypsin. *Jour. Gen. Physiol.*, November 20, 1922, v, pp. 263-274.
- †— The mechanism of the effect of acids and alkalies on the digestion of proteins by pepsin or trypsin. A correction. *Jour. Gen. Physiol.*, January 20, 1923, v, p. 415.
- and DE KRUIF, PAUL H. The agglutination of bacteria. *Science*, February 23, 1923, lvii, pp. 224-226.
- †— and HUSSEY, RAYMOND G. A method for the quantitative determination of trypsin and pepsin. *Jour. Gen. Physiol.*, January 20, 1923, v, pp. 353-358.

THE HOSPITAL OF THE ROCKEFELLER INSTITUTE.

- ALLEN, FREDERICK M. Experimental studies in diabetes. Series IV. Lipemia. 2. The production of diabetic lipemia in animals, and observations on some possible etiologic factors. *Jour. Metabol. Research*, August, 1922, ii, pp. 219-298.

* To be published in *Studies XLV*. † To be published in *Studies XLVI*.

- †BINGER, CARL A. L., HASTINGS, A. BAIRD, and NEILL, JAMES M. Edema associated with moderate bicarbonate administration during convalescence from pneumonia. *Arch. Int. Med.*, January 15, 1923, xxxi, pp. 145-150.
- *BOOTS, RALPH H., and SWIFT, HOMER F. The arthritis of serum sickness. *Jour. Am. Med. Assn.*, January 6, 1923, lxxx, pp. 12-15.
- †COHN, ALFRED E., with the collaboration of MILTON J. RAISBECK. An investigation of the relation of the position of the heart to the electrocardiogram. *Heart*, 1922, ix, pp. 311-326.
- †—, with the collaboration of MILTON J. RAISBECK. On the relation of the position of the enlarged heart to the electrocardiogram. *Heart*, 1922, ix, pp. 331-346.
- †HOLT, L. EMMETT, and FALES, HELEN L. Calcium absorption in children on a diet low in fat. *Am. Jour. Dis. Child.*, March, 1923, xxv, pp. 247-256.
- LINDER, G. C., LUNDSGAARD, CHRISTEN, and VAN SLYKE, DONALD D. The globulin and albumin content of the plasma in nephritis. *Proc. Soc. Exp. Biol. and Med.*, March 21, 1923, xx, p. 320.
- , —, —, and STILLMAN, E. The cause of low plasma protein concentration in nephritis. *Proc. Soc. Exp. Biol. and Med.*, March 21, 1923, xx, p. 319.
- LUNDSGAARD, CHRISTEN. Determination and interpretation of changes in lung volume in certain heart lesions. *Jour. Am. Med. Assn.*, January 20, 1923, lxxx, pp. 163-167.
- and VAN SLYKE, DONALD D. Cyanosis. *Medicine*, February, 1923, ii, pp. 1-76.
- *SWIFT, HOMER F. The action of sodium salicylate upon the formation of immune bodies. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 735-760.
- †— and BOOTS, RALPH H. Influence of sodium salicylate upon the arthritis of rabbits inoculated with non-hemolytic streptococci. *Jour. Exp. Med.*, April 1, 1923, xxxvii, pp. 553-584.
- †VAN SLYKE, DONALD D., and BINGER, CARL A. L. The determination of lung volume without forced breathing. *Jour. Exp. Med.*, April 1, 1923, xxxvii, pp. 457-470.
- WISHART, MARY B. Experimental studies in diabetes. Series IV. Lipemia. 1. Analysis of blood lipoids in diabetic animals and patients. *Jour. Metabol. Research*, August, 1922, ii, pp. 199-217.

* To be published in *Studies XLV*. † To be published in *Studies XLVI*.

ANIMAL PATHOLOGY.

- BROWN, J. HOWARD. The formal titration of bacteriological media. *Proc. Soc. Exp. Biol. and Med.*, October 18, 1922, xx, pp. 29-32.
- *FLORENCE, LAURA. Branched tubular and flask-shaped intestinal glands in some domestic animals. *Am. Jour. Anat.*, November 15, 1922, xxxi, pp. 139-149.
- GOWEN, JOHN W. Studies in milk secretion. X. Relation between the milk yield of one lactation and the milk yield of a subsequent lactation in Guernsey advanced registry cattle. *Jour. Dairy Sc.*, March, 1923, vi, pp. 102-121.
- GOWEN, MARIE S., and GOWEN, JOHN W. Studies in milk secretion. XIII. Relation between milk yields and butter fat percentages of the 7 day and 365 day tests of Holstein-Friesian advanced registry cattle. *Ann. Rep. Maine Agric. Exp. Station, Bull. 306*, 1922, pp. 21-60.
- *HAGAN, WILLIAM A. Studies on the disease of guinea pigs due to *Bacillus abortus*. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 697-709.
- *— The value of heat-killed cultures for the prevention of the *Bacillus abortus* inoculation disease of guinea pigs. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 711-725.
- *— The susceptibility of mice and rats to infection with *Bacillus abortus*. *Jour. Exp. Med.*, December 1, 1922, xxxvi, pp. 727-733.
- HOWE, PAUL E. The influence of the cation in the precipitation of the proteins of blood by sodium phosphate. *Proc. Soc. Exp. Biol. and Med.*, November 18, 1922, xx, pp. 91-92.
- Note on the comments of Reznikoff on the use of sodium sulfate as a precipitant of "pseudoglobulin." *Jour. Lab. and Clin. Med.*, March, 1923, viii, pp. 408-409.
- †SMITH, THEOBALD. Further studies on the etiological significance of *Vibrio fetus*. *Jour. Exp. Med.*, March 1, 1923, xxxvii, pp. 341-356.
- †—, ORCUTT, MARION L., and LITTLE, RALPH B. The source of agglutinins in the milk of cows. *Jour. Exp. Med.*, February 1, 1923, xxxvii, pp. 153-174.

*To be published in *Studies XLV*. † To be published in *Studies XLVI*.

The papers marked*,†, and all similar reports from the Institute are ultimately assembled in a series of volumes entitled **Studies from The Rockefeller Institute for Medical Research**. The price is \$2.00 per volume. A special rate of \$1.00 per volume is made to those who subscribe to *The Journal of Experimental Medicine*, *The Journal of Biological Chemistry*, or *The Journal of General Physiology*.

Other publications of The Rockefeller Institute are:

The Journal of Experimental Medicine, edited by Simon Flexner, M.D., and Peyton Rous, M.D.

The Journal of Biological Chemistry, edited by Stanley R. Benedict, Henry D. Dakin, Lafayette B. Mendel, and Donald D. Van Slyke.

The Journal of General Physiology, edited by Jacques Loeb and W. J. V. Osterhout.

Monographs of The Rockefeller Institute for Medical Research.

All correspondence should be addressed to the

DIVISION OF PUBLICATION
THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH
AVENUE A AND 66TH STREET
NEW YORK, N. Y.

Results of the investigations conducted at The Rockefeller Institute for Medical Research, or elsewhere under its grants, are first reported in a variety of journals and publications. The Semiannual List, of which this is No. 15, gives the place of publication of the most recent reports of these investigations. It will be sent regularly on request.

SEMIANNUAL LIST OF THE PUBLICATIONS OF THE STAFF OF THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH.

MAY 1, 1923, TO NOVEMBER 1, 1923:

PATHOLOGY AND BACTERIOLOGY.

*BROUN, G. O., MCMASTER, PHILIP D., and ROUS, PEYTON. Studies on the total bile. IV. The enterohepatic circulation of bile pigment. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 699-710.

†—, —, and —. The relation between blood destruction and the output of bile pigment. *Jour. Exp. Med.*, June 1, 1923, xxxvii, pp. 733-757.

*BROWN, WADE H., and PEARCE, LOUISE. Studies based on a malignant tumor of the rabbit. I. The spontaneous tumor and associated abnormalities. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 601-629.

— and —. The reaction of the endocrine system of the rabbit to tumor inoculation and the relation of this reaction to malignancy. *Proc. Soc. Exp. Biol. and Med.*, May 16, 1923, xx, pp. 472-476.

— and —. Animal resistance and the endocrine system of the rabbit in experimental syphilis. *Proc. Soc. Exp. Biol. and Med.*, May 16, 1923, xx, pp. 476-480.

†— and —. Studies based on a malignant tumor of the rabbit. III. Intratesticular transplantation and clinical course of the disease. *Jour. Exp. Med.*, June 1, 1923, xxxvii, pp. 799-810.

‡— and —. Factors concerned in the production of lesions of the eye in experimental syphilis. *New York State Jour. Med.*, September, 1923, xxiii, pp. 376-379.

‡— and —. Studies based on a malignant tumor of the rabbit. V. Metastases. Part 3. Factors that influence occurrence and distribution. *Jour. Exp. Med.*, October 1, 1923, xxxviii, pp. 385-405.

*To be published in *Studies XLVI.* †To be published in *Studies XLVII.*

‡To be published in *Studies XLVIII.*

- COWDRY, E. V. The significance of the internal reticular apparatus of Golgi in cellular physiology. *Science*, July 6, 1923, lviii, pp. 1-7.
- †FELTON, LLOYD D. Oxidase reaction of various groups of bacteria. *Jour. Exp. Med.*, September 1, 1923, xxxviii, pp. 291-307.
- FLEXNER, SIMON. The Edward K. Dunham lectureship for the promotion of medical science. *Science*, June 15, 1923, lvii, pp. 683-685.
- . Tributes to Dr. Biggs from some of his colleagues. *Health News*, July, 1923, xxxviii, pp. 166-167.
- †LANDSTEINER, K., and SIMMS, S. Production of heterogenetic antibodies with mixtures of the binding part of the antigen and protein. *Jour. Exp. Med.*, August 1, 1923, xxxviii, pp. 127-138.
- †MCCARTNEY, JAMES E., and OLITSKY, PETER K. Separation of the toxins of *Bacillus dysenteriae* Shiga. *Jour. Exp. Med.*, June 1, 1923, xxxvii, pp. 767-779.
- *MCMASTER, PHILIP D., BROUN, G. O., and ROUS, PEYTON. Studies on the total bile. III. On the bile changes caused by a pressure obstacle to secretion; and on hydrohepatosis. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 685-698.
- NOGUCHI, HIDEYO. Prophylactic inoculation against Rocky Mountain spotted fever. *Bull. Montana State Bd. Health, Special Bull. No. 26*, June, 1923, pp. 44-47.
- . Experimental prophylactic inoculation against Rocky Mountain spotted fever. *Northwest Med.*, September, 1923, xxii, pp. 301-303.
- . Laboratory diagnosis of syphilis, New York, September, 1923, 392 pages.
- †OLITSKY, PETER K., and MCCARTNEY, JAMES E. Isolation of *Bacterium pneumosintes* from influenza patients during the 1923 epidemic. *Jour. Am. Med. Assn.*, September 1, 1923, lxxxi, pp. 744-745.
- †——— and ———. Studies on the nasopharyngeal secretions from patients with common colds. *Jour. Exp. Med.*, October 1, 1923, xxxviii, pp. 427-440.
- *PEARCE, LOUISE, and BROWN, WADE H. Studies based on a malignant tumor of the rabbit. II. Primary transplantation and elimination of a coexisting syphilitic infection. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 631-645.
- †——— and ———. Studies based on a malignant tumor of the rabbit. IV. The results of miscellaneous methods of transplantation, with a discussion of factors influencing transplantation in general. *Jour. Exp. Med.*, June 1, 1923, xxxvii, pp. 811-828.

* To be published in *Studies XLVI*.

† To be published in *Studies XLVII*.

‡ To be published in *Studies XLVIII*.

- ‡PEARCE, LOUISE, and BROWN, WADE H. Studies based on a malignant tumor of the rabbit. V. Metastases. Part 1. Description of the lesions with especial reference to their occurrence and distribution. *Jour. Exp. Med.*, October 1, 1923, xxxviii, pp. 347-366.
- ‡— and —. Studies based on a malignant tumor of the rabbit. V. Metastases. Part 2. Description of the lesions with especial reference to their occurrence and distribution. *Jour. Exp. Med.*, October 1, 1923, xxxviii, pp. 367-383.
- UHLENHUTH, EDUARD. The elaboration and release of the colloid of the thyroid. *Proc. Soc. Exp. Biol. and Med.*, May 16, 1923, xx, pp. 494-496.
- ‡WEBSTER, LESLIE T. The virulence of an epidemic strain of *Bacillus pestis caviae*. *Jour. Exp. Med.*, June 1, 1923, xxxvii, pp. 781-787.
- ‡—. Microbic virulence and host susceptibility in paratyphoid-enteritidis infection of white mice. I. *Jour. Exp. Med.*, July 1, 1923, xxxviii, pp. 33-44.
- ‡—. Microbic virulence and host susceptibility in paratyphoid-enteritidis infection of white mice. II. *Jour. Exp. Med.*, July 1, 1923, xxxviii, pp. 45-54.

BIOPHYSICS.

- ‡HAWKINS, JAMES A. A micro method for the determination of the hydrogen ion concentration of whole blood. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 493-495.
- ‡MAISIN, JOSEPH. Cancer et infection rénale à coccidies chez la souris. *Compt. rend. Soc. biol.*, May 12, 1923, lxxxviii, pp. 1219-1221.
- Le cancer du goudron est-il simplement un cancer d'irritation locale? *Congrès du cancer*, Strassburg, July 23-24, 1923, ii, pp. 26-30.
- and STRUM, ERNEST. Contribution à la connaissance de la nature de l'immunité cancéreuse hétérologue. *Compt. rend. Soc. biol.*, May 12, 1923, lxxxviii, pp. 1216-1218.
- MURPHY, JAMES B. A propos des réactions locales et généraux de l'organisme à l'égard du cancer. *Congrès du cancer*, Strassburg, July 23-24, 1923, ii, pp. 73-82.
- ‡— and STURM, ERNEST. Conditions determining the transplantability of tissues in the brain. *Jour. Exp. Med.*, August 1, 1923, xxxviii, pp. 183-197.

‡ To be published in *Studies XLVII*. ‡ To be published in *Studies XLVIII*.

- †NAKAHARA, WARO. Studies on x-ray effects. XIII. Histological study of the fate of cancer grafts inoculated into an x-rayed area. *Jour. Exp. Med.*, September 1, 1923, xxxviii, pp. 309-314.
- †——. Studies on lymphoid activity. VII. Suppression of induced immunity to transplanted cancer by large doses of olive oil. *Jour. Exp. Med.*, September 1, 1923, xxxviii, pp. 315-326.

CHEMISTRY.

- †JACOBS, WALTER A. Strophanthin. II. The oxidation of strophanthidin. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 553-567.
- †——. Strophanthin. III. Crystalline Kombe strophanthin—Preliminary note. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 569-572.
- †LEVENE, P. A. On epichitosamine pentacetate. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 323-327.
- †——. Preparation of α -mannose. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 329-336.
- †——. The two isomeric chondrosamine hydrochlorides and the rates of their mutarotation. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 337-340.
- †—— and MEYER, G. M. On the preparation of diacetone glucose. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 317-318.
- †—— and ——. On monoacetone benzylidene glucose. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 319-322.
- †—— and MUHLFELD, MARIE. On the identity or non-identity of anti-neuritic and water-soluble B vitamins. *Jour. Biol. Chem.*, September, 1923, lvii, pp. 341-349.

EXPERIMENTAL SURGERY.

- †CARREL, ALEXIS. A method for the physiological study of tissues *in vitro*. *Jour. Exp. Med.*, October 1, 1923, xxxviii, pp. 407-418.
- *—— and EBELING, ALBERT H. Antagonistic growth-activating and growth-inhibiting principles in serum. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 653-658.
- †—— and ——. Action of serum on fibroblasts *in vitro*. *Jour. Exp. Med.*, June 1, 1923, xxxvii, pp. 759-765.
- †—— and ——. Antagonistic growth principles of serum and their relation to old age. *Jour. Exp. Med.*, October 1, 1923, xxxviii, pp. 419-425.

* To be published in *Studies XLVI*.

† To be published in *Studies XLVII*.

† To be published in *Studies XLVIII*.

*DU NOÏY, P. LECOMTE. Surface tension of serum. V. Relation between time-drop and serum antibodies. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 659-669.

†— . Surface tension of serum. VI. The study of immune serum. Time-drop and initial value of surface tension. *Jour. Exp. Med.*, July 1, 1923, xxxviii, pp. 87-92.

GENERAL PHYSIOLOGY.

*DE KRUIF, PAUL H., and NORTHROP, JOHN H. Stable suspensions of autoagglutinable bacteria. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 647-651.

†HITCHCOCK, DAVID I. Membrane potentials in the Donnan equilibrium. *Jour. Gen. Physiol.*, May 20, 1923, v, pp. 661-663.

‡— . Membrane potentials and colloidal behavior. Reply to the note by Professor A. V. Hill. *Jour. Gen. Physiol.*, September 20, 1923, vi, p. 93.

‡— . The combination of deaminized gelatin with hydrochloric acid. *Jour. Gen. Physiol.*, September 20, 1923, vi, pp. 95-104.

LOEB, JACQUES. Über die angebliche Gültigkeit der Hofmeisterschen Anionenreihen bei der Quellung von Eiweisskörpern. *Naturwissensch.*, June 29, 1923, xi, pp. 525-527.

†— . Theory of regeneration based on mass action. *Jour. Gen. Physiol.*, July 20, 1923, v, pp. 831-852.

†— . Theory of geotropism based on mass action. *Jour. Gen. Physiol.*, July 20, 1923, v, pp. 853-863.

‡— . On the location of the forces which determine the electrical double layer between collodion particles and water. *Jour. Gen. Physiol.*, September 20, 1923, vi, pp. 105-129.

†— and KUNITZ, M. Valency rule and alleged Hofmeister series in the colloidal behavior of proteins. I. The action of acids. *Jour. Gen. Physiol.*, May 20, 1923, v, pp. 665-691.

†— and — . Valency rule and alleged Hofmeister series in the colloidal behavior of proteins. II. The influence of salts. *Jour. Gen. Physiol.*, May 20, 1923, v, pp. 693-707.

†NORTHROP, JOHN H. The stability of bacterial suspensions. VI. The influence of the concentration of the suspension on the concentration of salt required to cause complete agglutination. *Jour. Gen. Physiol.*, May 20, 1923, v, pp. 605-609.

*To be published in *Studies XLVI*. †To be published in *Studies XLVII*.

‡To be published in *Studies XLVIII*.

- †NORTHROP, JOHN H. Note on the purification and precipitation of casein. *Jour. Gen. Physiol.*, July 20, 1923, v, pp. 749-750.
- †— . The inactivation of trypsin. IV. The adsorption of trypsin by charcoal. *Jour. Gen. Physiol.*, July 20, 1923, v, pp. 751-755.
- . Ist die Hydrolyse der Eiweisskörper Pepsin und Trypsin als homogene Reaktion aufzufassen? *Naturwissensch.*, August 24, 1923, xi, pp. 713-719.
- †— and LOEB, JACQUES. The photochemical basis of animal heliotropism. *Jour. Gen. Physiol.*, May 20, 1923, v, pp. 581-595.

THE HOSPITAL OF THE ROCKEFELLER INSTITUTE.

- †AVERY, O. T., and CULLEN, GLENN, E. Studies on the enzymes of pneumococcus. IV. Bacteriolytic enzyme. *Jour. Exp. Med.*, August 1, 1923, xxxviii, pp. 199-206.
- and HEIDELBERGER, M. Immunological relationships of cell constituents of pneumococcus. *Proc. Soc. Exp. Biol. and Med.*, May 16, 1923, xx, pp. 435-436.
- †— and — . Immunological relationships of cell constituents of pneumococcus. *Jour. Exp. Med.*, July 1, 1923, xxxviii, pp. 81-85.
- †BINGER, CARL A. L. The lung volume in heart disease. *Jour. Exp. Med.*, October 1, 1923, xxxviii, pp. 445-476.
- HEIDELBERGER, MICHAEL. An advanced laboratory manual of organic chemistry, New York, 1923, 103 pages.
- and AVERY, O. T. The specific soluble substance of pneumococcus. *Proc. Soc. Exp. Biol. and Med.*, May 16, 1923, xx, pp. 434-435.
- †— and — . The soluble specific substance of pneumococcus. *Jour. Exp. Med.*, July 1, 1923, xxxviii, pp. 73-79.
- †HOLT, L. EMMETT, and FALES, HELEN L. Observations on the health and growth of children in an institution. *Am. Jour. Dis. Child.*, July, 1923, xxvi, pp. 1-22.
- †LEVY, ROBERT L. The size of the heart in pneumonia. A teleroentgenographic study, with observations on the effect of digitalis therapy. *Arch. Int. Med.*, September 15, 1923, xxxii, pp. 359-385.
- †MORGAN, H. J., and AVERY, O. T. Studies on bacterial nutrition. IV. Effect of plant tissue upon growth of pneumococcus and streptococcus. *Jour. Exp. Med.*, August 1, 1923, xxxviii, pp. 207-217.
- †STILLMAN, ERNEST G. The presence of bacteria in the lungs of mice following inhalation. *Jour. Exp. Med.*, August 1, 1923, xxxviii, pp. 117-126.

† To be published in *Studies XLVII*. ‡ To be published in *Studies XLVIII*.

- †VAN SLYKE, DONALD D., WU, HSIEN, and MCLEAN, FRANKLIN C. Studies of gas and electrolyte equilibria in the blood. V. Factors controlling the electrolyte and water distribution in the blood. *Jour. Biol. Chem.*, July, 1923, lvi, pp. 765-849.

ANIMAL PATHOLOGY.

- †BROWN, J. HOWARD. The formol titration of bacteriological media. *Jour. Bact.*, May, 1923, viii, pp. 245-267.
- †GLASER, R. W. The survival of bacteria in the pupal and adult stages of flies. *Am. Jour. Hyg.*, July, 1923, iii, pp. 469-480.
- GOWEN, JOHN W. Studies in milk secretion. XI. Relation between the butterfat percentage of one lactation and the butterfat percentage of a subsequent lactation in Guernsey advanced registry cattle. *Jour. Dairy Sc.*, July, 1923, vi, pp. 330-346.
- GRAYBILL, H. W. Slide holders for overcoming a defect in attachable mechanical stages. *Science*, June 15, 1923, lvii, pp. 697-698.
- †—. A new genus of nematodes from the domestic rabbit. *Parasitology*, September 20, 1923, xv, pp. 340-342.
- †HOWE, PAUL E. The determination of fibrinogen by precipitation with sodium sulfate compared with the precipitation of fibrin by the addition of calcium chloride. *Jour. Biol. Chem.*, August, 1923, lvii, pp. 235-240.
- †—. The relative precipitating capacity of certain salts when applied to blood serum or plasma and the influence of the cation in the precipitation of proteins. *Jour. Biol. Chem.*, August, 1923, lvii, pp. 241-254.
- †JONES, F. S. The production of antibodies in rabbits by a simplified intratracheal method. *Jour. Exp. Med.*, June 1, 1923, xxxvii, pp. 789-798.
- †— and LITTLE, RALPH B. An infectious ophthalmia of cattle. *Jour. Exp. Med.*, August 1, 1923, xxxviii, pp. 139-148.
- †ORCUTT, MARION L. Mutation among hog-cholera bacilli. *Jour. Exp. Med.*, July 1, 1923, xxxviii, pp. 9-15.
- *SMITH, THEOBALD, and LITTLE, RALPH B. The absorption of specific agglutinins in homologous serum fed to calves during the early hours of life. *Jour. Exp. Med.*, May 1, 1923, xxxvii, pp. 671-683.

* To be published in *Studies XLVI*. † To be published in *Studies XLVII*.

‡ To be published in *Studies XLVIII*.

The papers marked *, †, ‡, and all similar reports from the Institute are ultimately assembled in a series of volumes entitled **Studies from The Rockefeller Institute for Medical Research**. The price is \$2.00 per volume. A special rate of \$1.00 per volume is made to those who subscribe to *The Journal of Experimental Medicine*, *The Journal of Biological Chemistry*, or *The Journal of General Physiology*.

Other publications of The Rockefeller Institute are:

The Journal of Experimental Medicine, edited by Simon Flexner, M.D., and Peyton Rous, M.D.

The Journal of Biological Chemistry, edited by Stanley R. Benedict, Henry D. Dakin, Lafayette B. Mendel, and Donald D. Van Slyke.

The Journal of General Physiology, edited by Jacques Loeb and W. J. V. Osterhout.

Monographs of The Rockefeller Institute for Medical Research.

All correspondence should be addressed to the

DIVISION OF PUBLICATION
THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH
AVENUE A AND 66TH STREET
NEW YORK, N. Y.