

1926

1925-1926

The Rockefeller University

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

Recommended Citation

The Rockefeller University, "1925-1926" (1926). *Semiannual List of the Publications of the Staff of the Rockefeller Institute*. 6.
<https://digitalcommons.rockefeller.edu/semiannual-publications-rockefeller-institute/6>

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. 20, gives the place of publication of the most recent reports of these investigations. It will be sent regularly upon request.

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

NOVEMBER 1, 1925, TO MAY 1, 1926.

PATHOLOGY AND BACTERIOLOGY.

- BAUDISCH, OSKAR, and WELO, LARS A. Ueber das Geheimnis der therapeutischen Wirkung frischer Mineralquellen. *Arch. Balneologie u. med. Klim.*, August, 1925, i, pp. 76-86.
- BRONFENBRENNER, JACQUES J. Effect of electrolytes on the rate of inactivation of bacteriophage during precipitation. *Proc. Soc. Exp. Biol. and Med.*, December 16, 1925, xxiii, p. 187.
- . Does bacteriophage respire? *Science*, January 8, 1926, lxiii, pp. 51-52.
- and KORB, CHARLES. On variants of *B. pestis caviæ* resistant to lysis by the bacteriophage. *Proc. Soc. Exp. Biol. and Med.*, October 21, 1925, xxiii, pp. 3-5.
- and — . On the nature of inactivation of the bacteriophage by alcohol. *Proc. Soc. Exp. Biol. and Med.*, October 21, 1925, xxiii, p. 5.
- * — and — . Studies on the bacteriophage of d'Hérelle. IV. Concerning the oneness of the bacteriophage. *Jour. Exp. Med.*, December 1, 1925, xlii, pp. 821-828.
- † — and — . Studies on the bacteriophage of d'Hérelle. V. Effect of electrolytes on the rate of inactivation of bacteriophage by alcohol. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 71-86.
- ‡ BROWN, WADE H., and PEARCE, LOUISE. Syphilitic myocarditis in the rabbit. *Jour. Exp. Med.*, April 1, 1926, xliii, pp. 501-514.
- † —, —, and VAN ALLEN, CHESTER M. Effects of spontaneous disease on organ weights of rabbits. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 241-262.

* Published in *Studies LVI*.

‡ To be published in *Studies LVIII*.

† To be published in *Studies LVII*.

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. 21, gives the place of publication of the most recent reports of these investigations. It will be sent regularly upon request.

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

MAY 1, 1926, TO NOVEMBER 1, 1926.

PATHOLOGY AND BACTERIOLOGY.

- BRONFENBRENNER, JACQUES J. Changes in viscosity during lysis of bacteria by bacteriophage. *Proc. Soc. Exp. Biol. and Med.*, May 22, 1926, iii, pp. 635-636.
- †—. A simple electro-ultrafilter. *Jour. Gen. Physiol.*, September 20, 1926, x, pp. 23-26.
- and MUCKENFUSS, RALPH S. The lysis of dead bacteria by bacteriophage. *Proc. Soc. Exp. Biol. and Med.*, May 22, 1926, xxiii, pp. 633-635.
- †— and REICHERT P. The nature of the toxin-antitoxin flocculation phenomenon. *Jour. Exp. Med.*, October 1, 1926, xlv, pp. 553-565.
- *BROWN, WADE H., and PEARCE, LOUISE. Melanoma (sarcoma) of the eye in a syphilitic rabbit. *Jour. Exp. Med.*, June 1, 1926, xliii, pp. 807-813.
- *—, —, and VAN ALLEN, CHESTER M. Organ weights of normal rabbits. Second paper. *Jour. Exp. Med.*, June 1, 1926, xliii, pp. 733-741.
- *—, —, and —. Relation between organ weights and obscure lesions in apparently normal rabbits. Second paper. *Jour. Exp. Med.*, July 1, 1926, xlv, pp. 85-111.
- *COWDRY, E. V. The geographical distribution of spontaneous encephalitis in rabbits. *Jour. Exp. Med.*, June 1, 1926, xliii, pp. 725-732.
- . Rickettsiæ and disease. *Arch. Path. and Lab. Med.*, July, 1926, ii, pp. 59-90.
- . The divergence of art and medicine in China—some of its causes and consequences. *China Med. Jour.*, August, 1926.

*Published in *Studies LVIII*.

† To be published in *Studies LIX*.

- †DAVIDSON, DAVID, and BAUDISCH, OSKAR. The preparation of uracil from urea. *Jour. Am. Chem. Soc.*, September, 1926, *xlvi*, pp. 2379-2383.
- *DOAN, CHARLES A. The recognition of a biologic differentiation in the white blood cells with especial reference to blood transfusion. *Jour. Am. Med. Assn.*, May 22, 1926, *lxxxvi*, pp. 1593-1597.
- *— and SABIN, FLORENCE R. Normal and pathological fragmentation of red blood cells; the phagocytosis of these fragments by desquamated endothelial cells of the blood stream; the correlation of the peroxidase reaction with phagocytosis in mononuclear cells. *Jour. Exp. Med.*, June 1, 1926, *xliv*, pp. 839-850.
- *DRURY, DOUGLAS R., and ROUS, PEYTON. The relative reaction within living mammalian tissues. V. (a) Influence of lymph-soluble tissue materials on the significance of the coloration with some phthalein indicators. *Jour. Exp. Med.*, May 1, 1926, *xliv*, pp. 669-686.
- *— and —. The relative reaction within living mammalian tissues. V. (b) Influence of lymph-insoluble tissue materials on the significance of the coloration with some phthalein indicators. *Jour. Exp. Med.*, May 1, 1926, *xliv*, pp. 687-701.
- †ELMAN, ROBERT, and McMASTER, PHILIP D. The physiological variations in resistance to bile flow to the intestine. *Jour. Exp. Med.*, August 1, 1926, *xliv*, pp. 151-171.
- LANDSTEINER, KARL. Studies on anaphylaxis with the products of peptic digestion of proteins. *Proc. Soc. Exp. Biol. and Med.*, April 21, 1926, *xxiii*, p. 540.
- and VAN DER SCHEER, JAMES. Experiments with trypanosomes in relation to the Wassermann reaction. *Proc. Soc. Exp. Biol. and Med.*, May 22, 1926, *xxiii*, pp. 641-644.
- *McMASTER, PHILIP D., and ELMAN, ROBERT. Studies on urobilin physiology and pathology. VI. The relation of biliary infections to the genesis and excretion of urobilin. *Jour. Exp. Med.*, June 1, 1926, *xliv*, pp. 753-783.
- †— and —. On the expulsion of bile by the gall bladder; and a reciprocal relationship with the sphincter activity. *Jour. Exp. Med.*, August 1, 1926, *xliv*, pp. 173-198.
- *NOGUCHI, HIDEYO. Abnormal bacteria flagella in cultures. Their resemblance to spirochetes. *Jour. Am. Med. Assn.*, May 1, 1926, *lxxxvi*, pp. 1327-1329.

* Published in *Studies LVIII*.

† To be published in *Studies LIX*.

- *NOGUCHI, HIDEYO. The differentiation of herpetomonads and leishmanias by biological tests. *Science*, May 14, 1926, lxiii, pp. 503-504.
- *—. A filter-passing virus obtained from *Dermacentor andersoni*. *Jour. Exp. Med.*, July 1, 1926, xlv, pp. 1-10.
- †—. Comparative studies of herpetomonads and leishmanias. II. Differentiation of the organisms by serological reactions and fermentation tests. *Jour. Exp. Med.*, September 1, 1926, xlv, pp. 327-337.
- †—. Etiology of Oroya fever. II. Viability of *Bartonella bacilliformis* in cultures and in the preserved blood and an excised nodule of *Macacus rhesus*. *Jour. Exp. Med.*, October 1, 1926, xlv, pp. 533-538.
- *— and BATTISTINI, TELÉMACO S. Etiology of Oroya fever. I. Cultivation of *Bartonella bacilliformis*. *Jour. Exp. Med.*, June 1, 1926, xliii, pp. 851-864.
- and HERCELLES, OSWALDO. A preliminary note on the etiology of verruga peruviana. *Science*, July 30, 1926, lxiv, pp. 121-122.
- †— and TILDEN, EVELYN B. Comparative studies of herpetomonads and leishmanias. I. Cultivation of herpetomonads from insects and plants. *Jour. Exp. Med.*, September 1, 1926, xlv, pp. 307-325.
- †PEARCE, LOUISE, and VAN ALLEN, CHESTER M. Effects of light on normal rabbits, with especial reference to the organic reaction. I. Clinical and postmortem observations. *Jour. Exp. Med.*, October 1, 1926, xlv, pp. 447-459.
- †— and ——. Effects of light on normal rabbits, with especial reference to the organic reaction. II. Organ weights. *Jour. Exp. Med.*, October 1, 1926, xlv, pp. 461-481.
- †— and ——. Effects of light on normal rabbits, with especial reference to the organic reaction. III. Analysis of organ weights. *Jour. Exp. Med.*, October 1, 1926, xlv, pp. 483-502.
- *SABIN, FLORENCE R., and DOAN, CHARLES A. The presence of desquamated endothelial cells, the so called clasmatocytes, in normal mammalian blood. *Jour. Exp. Med.*, June 1, 1926, xliii, pp. 823-837.
- †WEBSTER, LESLIE T., and BURN, CASPAR G. Biology of *Bacterium lepi-septicum*. III. Physical, cultural, and growth characteristics of diffuse and mucoid types and their variants. *Jour. Exp. Med.*, September 1, 1926, xlv, pp. 343-358.
- †— and ——. Biology of *Bacterium lepi-septicum*. IV. Virulence of diffuse and mucoid types and their variants. *Jour. Exp. Med.*, September 1, 1926, xlv, pp. 359-386.

* Published in *Studies LVIII*.

† To be published in *Studies LIX*

BIOPHYSICS.

- *HANCE, ROBERT T. An air distributor for use in the drop method of dehydration. *Stain Technol.*, April, 1926, i, pp. 70-71.
- †— and MURPHY, JAMES B. Studies on x-ray effects. XV. The prevention of pigment formation in the hair follicles of colored mice with high voltage x-ray. *Jour. Exp. Med.*, September 1, 1926, xliv, pp. 339-342.
- †HAWKINS, JAMES A. A discussion of recent studies on the metabolism of normal and malignant cells. *Jour. Gen. Physiol.*, July 20, 1926, ix, pp. 771-779.
- MURPHY, JAMES B. Certain etiological factors in the causation and transmission of malignant tumors. *Am. Nat.*, May-June, 1926, lx, pp. 227-233.
- . The lymphocyte in resistance to tissue grafting, malignant disease, and tuberculous infection. An experimental study. Monograph of The Rockefeller Institute for Medical Research, Number 21, New York, September 20, 1926, 168 pages.
- *STRONG, LEONELL C. Changes in the reaction potential of a transplantable tumor. *Jour. Exp. Med.*, May 1, 1926, xliii, pp. 713-724.
- †— . A genetic study of the growth of a transplantable tumor (adenocarcinoma, dBrB). *Jour. Exp. Zool.*, May 5, 1926, xlv, pp. 231-253.
- †— . On the occurrence of mutations within transplantable neoplasms. *Genetics*, May, 1926, xi, pp. 294-303.

CHEMISTRY.

- †JACOBS, WALTER A., and GUSTUS, EDWIN L. Saponins. IV. The oxidation of hederagenin methyl ester. *Jour. Biol. Chem.*, August, 1926, lxix, pp. 641-652.
- †— and HOFFMANN, ALEXANDER. Strophanthin. X. On K-strophanthin- β and other Kombe strophanthins. *Jour. Biol. Chem.*, July, 1926, lxix, pp. 153-163.
- †—, —, and GUSTUS, EDWIN L. The association of the double bond with the lactone group in the cardiac aglucones. *Jour. Biol. Chem.*, September, 1926, lxx, pp. 1-11.
- †LEVENE, P. A., and BASS, LAWRENCE W. The configurational relationships of dialkylacetic acids. *Jour. Biol. Chem.*, September, 1926, lxx, pp. 211-217.
- †—, —, and SIMMS, H. S. The ionization of pyrimidines in relation to the structure of pyrimidine nucleosides. *Jour. Biol. Chem.*, September, 1926, lxx, pp. 229-241.

* Published in *Studies LVIII*.

‡ To be published in *Studies LX*.

† To be published in *Studies LIX*.

- †LEVENE, P. A., and HALLER, H. L. The configurational relationships of 2-hydroxy, 3-hydroxy, and 4-hydroxy acids. *Jour. Biol. Chem.*, July, 1926, lxi, pp. 165-173.
- †— and —. The configurational relationships of 2-hydroxy, 3-hydroxy, and 4-hydroxy acids. II. Conversion of dextro-1-amino-3-hydroxy butane into dextro-1,3-dihydroxy butane. *Jour. Biol. Chem.*, August, 1926, lxi, pp. 569-574.
- †— and MEYER, G. M. Pentamethyl glucose and its dimethyl acetal. *Jour. Biol. Chem.*, July, 1926, lxi, pp. 175-180.
- †— and —. Diacetone glucose. III. Methylated methyl glucosides prepared from monoacetone glucose. *Jour. Biol. Chem.*, October, 1926, lxx, pp. 343-353.
- †— and MIKESKA, L. A. Substitution by halogen of the hydroxyl in secondary alcohols. *Jour. Biol. Chem.*, October, 1926, lxx, pp. 355-364.
- †— and —. On the oxidation of mercaptans and thio acids to the corresponding sulfonic acids. *Jour. Biol. Chem.*, October, 1926, lxx, pp. 365-380.
- *— and PFALTZ, MIMOSA H. Studies on racemization. III. Action of alkali on glycyl-levoalanyl-glycine and on glycyl-glycyl-levoalanyl-glycine. *Jour. Biol. Chem.*, May, 1926, lxxviii, pp. 277-283.
- †— and —. Studies on racemization. IV. Action of alkali on ketopiperazines and on peptides. *Jour. Biol. Chem.*, September, 1926, lxx, pp. 219-227.
- *— and ROLF, IDA P. Plant phosphatides. II. Lecithin, cephalin, and so called cuorin of the soy bean. *Jour. Biol. Chem.*, May, 1926, lxxviii, pp. 285-293.
- *— and SIMMS, H. S. Lactone formation from gluconic acids and the structure of glucose. *Jour. Biol. Chem.*, June, 1926, lxxviii, pp. 737-749.
- †— and —. Nucleic acid structure as determined by electrometric titration data. *Jour. Biol. Chem.*, October, 1926, lxx, pp. 327-341.
- †—, —, and BASS, LAWRENCE W. The effect of ionization upon optical rotation of nucleic acid derivatives. *Jour. Biol. Chem.*, September, 1926, lxx, pp. 243-251.
- †—, —, and PFALTZ, MIMOSA H. The relation of chemical structure to the rate of hydrolysis of peptides. III. Enzyme hydrolysis of dipeptides and tripeptides. *Jour. Biol. Chem.*, September, 1926, lxx, pp. 253-264.

* Published in *Studies LVIII*.

† To be published in *Studies LIX*.

- *LEVENE, P. A., and WALT, A. On the configurational relationship of β -hydroxybutyric acid and propylene glycol. *Jour. Biol. Chem.*, May, 1926, lxxviii, pp. 415-424.
- †SIMMS, H. S., and LEVENE, P. A. Graphical interpretation of electro-metric titration data by use of comparison curves. *Jour. Biol. Chem.*, October, 1926, lxx, pp. 319-325.
- †SOBOTKA, HARRY. The oxidation of methylated glucoses. *Jour. Biol. Chem.*, July, 1926, lxix, pp. 267-275.

EXPERIMENTAL SURGERY.

- BAKER, LILLIAN E., and CARREL, ALEXIS. Effet de la fraction protéique du suc embryonnaire sur la multiplication des fibroblastes. *Compt. rend. Soc. biol.*, June 25, 1926, xc, pp. 157-159.
- and —. Effet des acides aminés et des composants dialysables du suc embryonnaire sur la multiplication des fibroblastes. *Compt. rend. Soc. biol.*, July 2, 1926, xc, pp. 260-262.
- †— and —. Action on fibroblasts of the protein fraction of embryonic tissue extract. *Jour. Exp. Med.*, September 1, 1926, xlv, pp. 387-395.
- †— and —. Effect of the amino acids and dialyzable constituents of embryonic tissue juice on the growth of fibroblasts. *Jour. Exp. Med.*, September 1, 1926, xlv, pp. 397-407.
- *CARREL, ALEXIS. Au sujet de la nutrition des fibroblastes et des cellules épithéliales. *Compt. rend. Soc. biol.*, April 30, 1926, xciv, pp. 1060-1062.
- *— . Some conditions of the reproduction *in vitro* of the Rous virus. *Jour. Exp. Med.*, May 1, 1926, xliii, pp. 647-668.
- . La membrane ondulante des monocytes et des macrophages. *Compt. rend. Soc. biol.*, June 4, 1926, xciv, pp. 1345-1346.
- and BAKER, LILLIAN E. Chemical nature of some substances required for the growth of fibroblasts and epithelial cells. *Proc. Soc. Exp. Biol. and Med.*, May 22, 1926, xxiii, pp. 627-628.
- and —. L'action des protéoses sur la prolifération cellulaire. *Compt. rend. Soc. biol.*, July 9, 1926, xc, pp. 359-361.
- †— and —. The chemical nature of substances required for cell multiplication. *Jour. Exp. Med.*, October 1, 1926, xlv, pp. 503-521.
- †— and EBELING, ALBERT H. The fundamental properties of the fibroblast and the macrophage. I. The fibroblast. *Jour. Exp. Med.*, August 1, 1926, xlv, pp. 261-284.

* Published in *Studies LVIII*.

† To be published in *Studies LIX*.

- †CARREL, ALEXIS, and EBELING, ALBERT H. The fundamental properties of the fibroblast and the macrophage. II. The macrophage. *Jour. Exp. Med.*, September 1, 1926, xliv, pp. 285-305.
- DU NOÛY, P. LECOMTE. Surface equilibria of biological and organic colloids. American Chemical Society Monograph Series, New York, 1926, 212 pages.

GENERAL PHYSIOLOGY.

- †HITCHCOCK, DAVID I. The size of pores in collodion membranes. *Jour. Gen. Physiol.*, July 20, 1926, ix, pp. 755-762.
- †— . The effect of pH on the permeability of collodion membranes coated with protein. *Jour. Gen. Physiol.*, September 20, 1926, x, pp. 179-183.
- †IRWIN, MARIAN. Exit of dye from living cells of *Nitella* at different pH values. *Jour. Gen. Physiol.*, September 20, 1926, x, pp. 75-102.
- †KUNITZ, M. An empirical formula for the relation between viscosity of solution and volume of solute. *Jour. Gen. Physiol.*, July 20, 1926, ix, pp. 715-725.
- †NORTHROP, JOHN H. Duration of life of an aseptic *Drosophila* culture inbred in the dark for 230 generations. *Jour. Gen. Physiol.*, July 20, 1926, ix, pp. 763-765.
- †— . A convenient method for the formol titration. *Jour. Gen. Physiol.*, July 20, 1926, ix, pp. 767-769.
- †— and KUNITZ, M. The swelling pressure of gelatin and the mechanism of swelling in water and neutral salt solutions. *Jour. Gen. Physiol.*, September 20, 1926, x, pp. 161-177.

THE HOSPITAL OF THE ROCKEFELLER INSTITUTE.

- *ANDREWES, CHRISTOPHER H., DERICK, CLIFFORD L., and SWIFT, HOMER F. The skin response of rabbits to non-hemolytic streptococci. I. Description of a secondary reaction occurring locally after intradermal inoculation. *Jour. Exp. Med.*, July 1, 1926, xliv, pp. 35-53.
- COLE, RUFUS. The modern hospital and medical progress. *Science*, August 6, 1926, lxiv, pp. 123-130.
- *DERICK, CLIFFORD L., and ANDREWES, CHRISTOPHER H. The skin response of rabbits to non-hemolytic streptococci. II. Attempts to determine whether the secondary reaction is of the nature of an Arthus phenomenon. *Jour. Exp. Med.*, July 1, 1926, xliv, pp. 55-64.

* Published in *Studies LVIII*.

†To be published in *Studies LIX*.

- *HILLER, ALMA. The effect of histamine on the acid-base balance. *Jour. Biol. Chem.*, June, 1926, lxviii, pp. 833-846.
- *—. The effect of histamine on protein catabolism. *Jour. Biol. Chem.*, June, 1926, lxviii, pp. 847-864.
- *JULIANELLE, LOUIS A. A biological classification of *Encapsulatus pneumoniae* (Friedländer's bacillus). *Jour. Exp. Med.*, July 1, 1926, xlv, pp. 113-128.
- KUTTNER, ANN G., and COLE, RUFUS. Further evidence concerning the significance of nuclear inclusions as indicators of a transmissible agent. *Proc. Soc. Exp. Biol. and Med.*, April 21, 1926, xxiii, pp. 537-539.
- †McINTOSH, JOHN F., and REIMANN, HOBART A. Kidney function in pneumonia. *Jour. Clin. Inv.*, October 20, 1926, iii, pp 123-130.
- *MURRAY, HENRY A., Jr. Physiological ontogeny. A. Chicken embryos. VIII. Accelerations of integration and differentiation during the embryonic period. *Jour. Gen. Physiol.*, May 20, 1926, ix, pp. 603-619.
- *—. Physiological ontogeny. A. Chicken embryos. IX. The iodine reaction for the quantitative determination of glutathione in the tissues as a function of age. *Jour. Gen. Physiol.*, May 20, 1926, ix, pp. 621-624.
- †—. Physiological ontogeny. A. Chicken embryos. X. The temperature characteristic for the contraction rate of isolated fragments of embryonic heart muscle. *Jour. Gen. Physiol.*, July 20, 1926, ix, pp. 781-788.
- †—. Physiological ontogeny. A. Chicken embryos. XI. The pH, chloride, carbonic acid, and protein concentrations in the tissues as functions of age. *Jour. Gen. Physiol.*, July 20, 1926, ix, pp. 789-803.
- *SIA, RICHARD H. P. Studies on pneumococcus growth inhibition. VI. The specific effect of pneumococcus soluble substance on the growth of pneumococci in normal serum-leucocyte mixtures. *Jour. Exp. Med.*, May 1, 1926, xliii, pp. 633-645.
- †STEWART, HAROLD J. The use of digitalis in the treatment of auricular premature contractions. *Am. Heart Jour.*, August, 1926, i, pp. 687-692.
- *VAN SLYKE, DONALD D., and HILLER, ALMA. The residual reduction of blood. *Jour. Biol. Chem.*, May, 1926, lxviii, pp. 323-324.

* Published in *Studies LVIII*.

† To be published in *Studies LX*.

† To be published in *Studies LIX*.

ANIMAL PATHOLOGY.

- *GLASER, R. W. The isolation and cultivation of *Herpetomonas muscæ-domesticæ*. *Am. Jour. Trop. Med.*, May, 1926, vi, pp. 205-219.
- †—. The green muscardine disease in silkworms and its control. *Ann. Entomol. Soc. America*, June, 1926, xix, pp. 180-192.
- †—. Further experiments on a bacterial disease of adult flies with a revision of the etiological agent. *Ann. Entomol. Soc. America*, June, 1926, xix, pp. 193-198.
- *JONES, F. S., and LITTLE, RALPH B. The organism associated with specific infectious cystitis and pyelonephritis of cows. *Jour. Exp. Med.*, July 1, 1926, xliv, pp. 11-20.

* Published in *Studies LVIII*.

† To be published in *Studies LIX*.

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 General Physiology, edited by **W. J. Crozier, W. J. V. Osterhout**, and **John H. Northrop**.

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.

- †CHESTERMAN, CLEMENT C. The efficacy of tryparsamide in the cure of African sleeping sickness. *Lancet*, November 7, 1925, ii, pp. 965-967.
- COWDRY, E. V. I. Surface film theory of the function of mitochondria. *Am. Nat.*, March-April, 1926, lx, pp. 157-165.
- *ELMAN, ROBERT, and MCMASTER, PHILIP D. Studies on urobilin physiology and pathology. V. The relation between urobilin and conditions involving increased red cell destruction. *Jour. Exp. Med.*, November 1, 1925, xlii, pp. 619-640.
- FLEXNER, SIMON. Dr. Welch and the Johns Hopkins University. *Science*, March 12, 1926, lxiii, pp. 272-273.
- †— . The advancement of epidemiology through experiment. *Am. Jour. Med. Sc.*, April, 1926, clxxi, pp. 469-479; May, 1926, clxxi, pp. 625-635.
- LANDSTEINER, K., and LEVENE, P. A. On the heterogenetic haptene. *Proc. Soc. Exp. Biol. and Med.*, February 17, 1926, xxiii, pp. 343-344.
- *— and MILLER, C. PHILIP, JR. Serological studies on the blood of the primates. I. The differentiation of human and anthropoid bloods. *Jour. Exp. Med.*, December 1, 1925, xlii, pp. 841-852.
- *— and — . Serological studies on the blood of the primates. II. The blood groups in anthropoid apes. *Jour. Exp. Med.*, December 1, 1925, xlii, pp. 853-862.
- *— and — . Serological studies on the blood of the primates. III. Distribution of serological factors related to human isoagglutinogens in the blood of lower monkeys. *Jour. Exp. Med.*, December 1, 1925, xlii, pp. 863-872.
- †— and WITT, DAN H. Observations on the human blood groups. Irregular reactions. Isoagglutinins in sera of group IV. The factor A¹. *Jour. Immunol.*, March, 1926, xi, pp. 221-247.
- †MUDD, STUART. Electroendosmosis through mammalian serous membranes. III. The relation of current strength and specific resistance to rate of liquid transport. Transport rate with serum. *Jour. Gen. Physiol.*, January 20, 1926, ix, pp. 361-373.
- †— and MUDD, EMILY B. H. On the surface composition of normal and sensitized mammalian blood cells. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 127-142.
- †NOGUCHI, HIDEYO. Cultivation of *Rickettsia*-like microorganisms from the Rocky Mountain spotted fever tick. *Jour. Exp. Med.*, April 1, 1926, xliii, pp. 515-532.
- and BATTISTINI, TELÉMACO S. A preliminary report on the cultivation of the microbe of Oroya fever. *Science*, February 19, 1926, lxiii, pp. 212-213.

* Published in *Studies LVI*.

† To be published in *Studies LVIII*.

† To be published in *Studies LVII*.

- OLITSKY, PETER K. The transfer of tobacco and tomato mosaic disease by the *Pneumococcus citri*. *Science*, November 13, 1925, lxii, p. 442.
- †PEARCE, LOUISE, and VAN ALLEN, CHESTER M. Effect of thyroidec-tomy and of thymectomy in experimental syphilis of the rabbit. *Jour. Exp. Med.*, March 1, 1926, xliii, pp. 297-316.
- †PRITCHETT, IDA W. Microbic virulence and host susceptibility in paratyphoid-enteritidis infection of white mice. IX. The relationship of dosage to mortality rate, survival time, and cage population. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 143-159.
- †— Microbic virulence and host susceptibility in paratyphoid-en-teritidis infection of white mice. X. The relative susceptibility of different strains of mice to *per os* infection with the Type II bacillus of mouse typhoid (*Bacillus pestis caviæ*). Further studies. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 161-171.
- †— Microbic virulence and host susceptibility in paratyphoid-en-teritidis infection of white mice. XI. Seasonal variation in the sus-ceptibility of different strains of mice to *per os* infection with the Type II bacillus of mouse typhoid (*Bacillus pestis caviæ*). Further studies. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 173-177.
- *ROUS, PEYTON. The biliary aspects of liver disease. *Am. Jour. Med. Sc.*, November, 1925, clxx, pp. 625-631.
- VAN ALLEN, CHESTER M. Sealing device for hematocrit. *Jour. Am. Med. Assn.*, December 26, 1925, lxxxv, p. 2033.
- †— Thymectomy in the rabbit. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 119-125.
- ‡WEBSTER, LESLIE T. Epidemiological studies on respiratory infections of the rabbit. VII. Pneumonias associated with *Bacterium lepi-septicum*. *Jour. Exp. Med.*, April 1, 1926, xliii, pp. 555-572.
- ‡— Epidemiological studies on respiratory infections of the rabbit. VIII. Carriers of *Bacterium lepi-septicum*. *Jour. Exp. Med.*, April 1, 1926, xliii, pp. 573-590.

BIOPHYSICS.

- †HANCE, ROBERT T., and CLARK, HARRY. Studies on x-ray effects. XIV. The effect of x-ray on the division rate of paramecium. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 61-70.

* Published in *Studies LVI*.

‡ To be published in *Studies LVIII*.

† To be published in *Studies LVII*

- *HAWKINS, JAMES A., and CLARK, HARRY. Skin reactions to alternate heat and x-ray exposures. *Jour. Exp. Med.*, December 1, 1925, xlii, pp. 785-791.
- *— and MURPHY, JAMES B. The effect of ethyl urethane anesthesia on the acid-base equilibrium and cell contents of the blood. *Jour. Exp. Med.*, November 1, 1925, xlii, pp. 609-618.
- *LYNCH, CLARA J. Studies on the relation between tumor susceptibility and heredity. II. The incidence of tar tumors in strains of mice having a differing incidence of spontaneous growths. *Jour. Exp. Med.*, December 1, 1925, xlii, pp. 829-840.
- †—. Studies on the relation between tumor susceptibility and heredity. III. Spontaneous tumors of the lung in mice. *Jour. Exp. Med.*, March 1, 1926, xliii, pp. 339-355.
- ‡MURPHY, JAMES B. Observations on the etiology of tumors as evidenced by experiments with a chicken sarcoma. *Jour. Am. Med. Assn.*, April 24, 1926, lxxxvi, pp. 1270-1271.
- *— and STURM, ERNEST. Primary lung tumors in mice following the cutaneous application of coal tar. *Jour. Exp. Med.*, November 1, 1925, xlii, pp. 693-700.

CHEMISTRY.

- †ELEK, ADALBERT, and SOBOTKA, HARRY. The Kjeldahl-Pregl method applied to nitro compounds. *Jour. Am. Chem. Soc.*, February, 1926, xlviii, pp. 501-503.
- JACOBS, WALTER A., and HOFFMANN, ALEXANDER. A structural characteristic of the cardiac poisons. *Proc. Soc. Exp. Biol. and Med.*, December 16, 1925, xxiii, pp. 213-215.
- †— and —. The structural relationship of the cardiac poisons. *Jour. Biol. Chem.*, January, 1926, lxxvii, pp. 333-339.
- ‡— and —. Strophanthin. IX. On crystalline Kombe strophanthin. *Jour. Biol. Chem.*, March, 1926, lxxvii, pp. 609-620.
- LEVENE, P. A. Recent work on the configurational relationships of biologically important substances. *Ergebn. Physiol.*, 1925, xxiv, pp. 663-689.
- †—. On the nitrogenous components of yeast nucleic acid. *Jour. Biol. Chem.*, January, 1926, lxxvii, pp. 325-327.
- †— and HALLER, H. L. The conversion of optically active lactic acid to the corresponding propylene glycol. *Jour. Biol. Chem.*, January, 1926, lxxvii, pp. 329-332.

* Published in *Studies LVI*.

‡To be published in *Studies LVIII*.

†To be published in *Studies LVII*.

- ‡LEVENE, P. A., and ROLF, IDA P. Bromolecithins. II. Bromolecithins of the liver and egg yolk. *Jour. Biol. Chem.*, March, 1926, lxvii, pp. 659-666.
- and SOBOTKA, HARRY. On the α - and β -forms of sugars and of sugar derivatives. *Science*, January 15, 1926, lxiii, pp. 73-74.
- ‡— and —. Acetyl monoses. I. *Jour. Biol. Chem.*, March, 1926, lxvii, pp. 759-770.
- ‡— and —. Acetyl monoses. II. *Jour. Biol. Chem.*, March, 1926, lxvii, pp. 771-779.
- and VAN DER HOEVEN, B. J. C. Concentration of the growth-promoting principle obtained from yeast. (Vitamin B.) *Science*, December 25, 1925, lxii, p. 594.

EXPERIMENTAL SURGERY.

- †CARREL, ALEXIS. Le principe filtrant des sarcomes de la poule produits par l'arsenic. *Compt. rend. Soc. biol.*, November 6, 1925, xciii, pp. 1083-1085.
- †— . Un sarcome fusocellulaire produit par l'indol et transmissible par un agent filtrant. *Compt. rend. Soc. biol.*, November 27, 1925, xciii, pp. 1278-1280.
- †— . Un sarcome du goudron de faible malignité et transmissible par son extrait filtré. *Compt. rend. Soc. biol.*, February 12, 1926, xciv, pp. 337-338.
- . Étude expérimentale des sarcomes à cellules fusiformes de la poule. *Paris Méd.*, March 20, 1926, xvi, pp. 274-284.
- ‡— and EBELING, ALBERT H. The transformation of monocytes into fibroblasts through the action of Rous virus. *Jour. Exp. Med.*, April 1, 1926, xliii, pp. 461-468.
- DU NOTY, P. LECOMTE. Die Oberflächenspannung von Serum. Über physikalisch-chemische Änderungen im Serum als Folge der Immunisierung. *Biochem. Z.*, November 23, 1925, clxv, pp. 134-144.
- . Au sujet d'une note de goiffon sur la mesure de la tension superficielle. *Compt. rend. Soc. biol.*, February 5, 1926, xciv, pp. 266-268.
- . An hypothesis on cell structure and cell movements based on thermodynamical considerations. *Science*, March 12, 1926, lxiii, pp. 284-286.

† To be published in *Studies LVII*.

‡ To be published in *Studies LVIII*.

GENERAL PHYSIOLOGY.

- *IRWIN, MARIAN. Accumulation of brilliant cresyl blue in the sap of living cells of *Nitella* in the presence of NH₃. *Jour. Gen. Physiol.*, November 20, 1925, ix, pp. 235-253.
- . Accumulation of dye in *Nitella* as related to dissociation. *Proc. Soc. Exp. Biol. and Med.*, January 20, 1926, xxiii, pp. 251-253.
- † — . Mechanism of the accumulation of dye in *Nitella* on the basis of the entrance of the dye as undissociated molecules. *Jour. Gen. Physiol.*, March 20, 1926, ix, pp. 561-567.
- †NORTHROP, JOHN H. Carbon dioxide production and duration of life of *Drosophila* cultures. *Jour. Gen. Physiol.*, January 20, 1926, ix, pp. 319-324.
- † — . The resistance of living organisms to digestion by pepsin or trypsin. *Jour. Gen. Physiol.*, March 20, 1926, ix, pp. 497-502.
- † — and KUNITZ, M. The combination of salts and proteins. II. A method for the determination of the concentration of combined ions from membrane potential measurements. *Jour. Gen. Physiol.*, January 20, 1926, ix, pp. 351-360.
- † — and — . The swelling and osmotic pressure of gelatin in salt solutions. *Jour. Gen. Physiol.*, April 20, 1926, viii, pp. 317-337.
- *OSTERHOUT, W. J. V., and DORCAS, M. J. The penetration of CO₂ into living protoplasm. *Jour. Gen. Physiol.*, November 20, 1925, ix, pp. 255-267.

THE HOSPITAL OF THE ROCKEFELLER INSTITUTE.

- †ANDREWES, CHRISTOPHER H., DERICK, CLIFFORD L., and SWIFT, HOMER F. A study of hemolytic streptococci in acute rheumatic fever, with an analysis of the antigenic relationships existing among certain strains. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 13-29.
- AVERY, OSWALD T., HEIDELBERGER, MICHAEL, and GOEBEL, WALTHER F. Immunological behavior of the "E" strain of Friedländer's bacillus and its soluble specific substance. *Proc. Soc. Exp. Biol. and Med.*, October 21, 1925, xxiii, pp. 2-3.
- * — , — , and — . The soluble specific substance of Friedländer's bacillus. Paper II. Chemical and immunological relationships of Pneumococcus Type II and of a strain of Friedländer's bacillus. *Jour. Exp. Med.*, November 1, 1925, xlii, pp. 709-725.
- COHN, ALFRED E. Statistical studies bearing on problems in the classification of heart diseases. *Am. Heart Jour.*, April, 1926, i, pp. 442-445.

* Published in *Studies LVI*.

† To be published in *Studies LVIII*.

† To be published in *Studies LVII*.

- *COLE, RUFUS, and KUTTNER, ANN G. The problem of the etiology of herpes zoster. *Jour. Exp. Med.*, December 1, 1925, xlii, pp. 799-820.
- ‡CRAWFORD, J. HAMILTON. Studies on human capillaries. II. Observations on the capillary circulation in normal subjects. *Jour. Clin. Inv.*, April 20, 1926, ii, pp. 351-364.
- ‡—. Studies on human capillaries. III. Observations in cases of auricular fibrillation. *Jour. Clin. Inv.*, April 20, 1926, ii, pp. 365-374.
- ‡— and ROSENBERGER, HEINZ. Studies on human capillaries. I. An apparatus for cinematographic observation of human capillaries. *Jour. Clin. Inv.*, April 20, 1926, ii, pp. 343-349.
- DERICK, CLIFFORD L., and ANDREWES, CHRISTOPHER H. The skin response of rabbits to non-hemolytic streptococci. *Proc. Soc. Exp. Biol. and Med.*, November 18, 1925, xxiii, pp. 116-118.
- HEIDELBERGER, MICHAEL, GOEBEL, WALTHER F., and AVERY, OSWALD T. The soluble specific substance of a strain of Friedländer bacillus. *Proc. Soc. Exp. Biol. and Med.*, October 21, 1925, xxiii, p. 1.
- *—, —, and —. The soluble specific substance of a strain of Friedländer's bacillus. Paper I. *Jour. Exp. Med.*, November 1, 1925, xlii, pp. 701-709.
- *—, —, and —. The soluble specific substance of pneumococcus. Third paper. *Jour. Exp. Med.*, November 1, 1925, xlii, pp. 727-745.
- †JULIANELLE, LOUIS A., and REIMANN, HOBART A. The production of purpura by derivatives of pneumococcus. I. General considerations of the reaction. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 87-95.
- †MURRAY, HENRY A., JR. Physiological ontogeny. A. Chicken embryos. VII. The concentration of the organic constituents and the calorific value as functions of age. *Jour. Gen. Physiol.*, March 20, 1926, ix, pp. 405-432.
- †REIMANN, HOBART A. Serological relationships of type-specific and degraded pneumococci. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 107-117.
- †— and JULIANELLE, LOUIS A. The production of purpura by derivatives of pneumococcus. II. The effect of pneumococcus extract on the blood platelets and corpuscles. *Jour. Exp. Med.*, January 1, 1926, xliii, pp. 97-106.
- †RIVERS, THOMAS M. Nuclear inclusions in the testicles of monkeys injected with the tissue of human varicella lesions. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 275-287.

* Published in *Studies LVI*.

‡ To be published in *Studies LVIII*

† To be published in *Studies LVII*

- SWIFT, HOMER F. A program of procedure in the problem of the cardiac cripple. *New York State Jour. Med.*, November 1, 1925, xxv, pp. 991-995.
- *— . Rheumatic fever. *Am. Jour. Med. Sc.*, November, 1925, clxx, pp. 631-647.
- †VAN SLYKE, DONALD D. The determination of gases in blood and other solutions by vacuum extraction and manometric measurement. III. Gasometric determination of methemoglobin. *Jour. Biol. Chem.*, December, 1925, lxvi, pp. 409-414.
- †—, LINDER, G. C., HILLER, ALMA, LEITER, L., and MCINTOSH, J. F. The excretion of ammonia and titratable acid in nephritis. *Jour. Clin. Inv.*, February 20, 1926, ii, pp. 255-288.
- and ROBSON, WILLIAM. An unidentified base among the hydrolytic products of gelatin. *Proc. Soc. Exp. Biol. and Med.*, October 21, 1925, xxiii, p. 23.
- †— and VOLLMUND, ERIK. Studies of methemoglobin formation. *Jour. Biol. Chem.*, December, 1925, lxvi, pp. 415-424.

ANIMAL PATHOLOGY.

- †BROWN, J. HOWARD. A study of anaerobic bacteria. *Jour. Bact.*, November, 1925, x, pp. 513-542.
- *GLASER, R. W. Specificity in bacterial disease with special reference to silkworms and tent caterpillars. *Jour. Econ. Entomol.*, December, 1925, xviii, pp. 769-771.
- ‡JONES, F. S. The reaction of cow's milk to blood serum precipitin. *Jour. Exp. Med.*, April 1, 1926, xliii, pp. 451-459.
- *— and LITTLE, RALPH B. Specific infectious cystitis and pyelonephritis of cows. *Jour. Exp. Med.*, November 1, 1925, xlii, pp. 593-607.
- †LEWIS, PAUL A., and LOOMIS, DOROTHY. Allergic irritability. III. The influence of chronic infections and of trypan blue on the formation of specific antibodies. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 263-273.
- †NELSON, JOHN B. A rapid method for the isolation of *Bacillus abortus* from uterine exudate and diseased placenta. *Jour. Exp. Med.*, March 1, 1926, xliii, pp. 331-338.
- †ORCUTT, MARION L. Agglutination affinities of the *abortus-melitensis* group of bacteria with special reference to two human strains. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 225-232.

• Published in *Studies LVI*.

‡ To be published in *Studies LVIII*.

† To be published in *Studies LVII*.

- †ORCUTT, MARION L. A study of *Bacillus acidophilus* from the digestive tract of calves. *Jour. Bact.*, February, 1926, xi, pp. 115-127.
- †——. A study of enterococci from the digestive tract of calves. *Jour. Bact.*, February, 1926, xi, pp. 129-139.
- †SMITH, THEOBALD. The relation of *Bacillus abortus* from bovine sources to Malta fever. *Jour. Exp. Med.*, February 1, 1926, xliii, pp. 207-223.
- †——. Variations in CO₂ requirements among bovine strains of *Bacillus abortus*. *Jour. Exp. Med.*, March 1, 1926, xliii, pp. 317-325.
- †—— and LITTLE, RALPH B. Further data on the effect of vaccination against bovine infectious abortion. *Jour. Exp. Med.*, March 1, 1926, xliii, pp. 327-330.

† To be published in *Studies LVII*.

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 General Physiology, edited by **W. J. Crozier, W. J. V. Osterhout**, and **John H. Northrop**.

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.