# Rockefeller University **Digital Commons** @ RU

Semiannual List of the Publications of the Staff of the Rockefeller Institute

**Campus Publications** 

1930

1929-1930

The Rockefeller University

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

# Recommended Citation

 $The \ Rockefeller \ University, "1929-1930" \ (1930). \ Semiannual \ List of the \ Publications of the \ Staff of the \ Rockefeller \ Institute. 11. \\ https://digitalcommons.rockefeller.edu/semiannual-publications-rockefeller-institute/11$ 

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. 28, 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, 1929, TO MAY 1, 1930

THE DEPARTMENT OF THE GENERAL LABORATORIES

Pathology and Bacteriology

- Brown, Wade H. Constitutional variation and susceptibility to disease. Arch. Int. Med., November, 1929, 44, pp. 625-662.
- \*Burky, E. L., and Smille, W. G. Nasopharyngeal flora in health and during respiratory disease in isolated communities in Alabama and Labrador. *Jour. Exp. Med.*, November 1, 1929, 50, pp. 643-663.
- CASEY, ALBERT E. Antemortem basopenia as an index of resistance. *Proc. Soc. Exp. Biol. and Med.*, November 20, 1929, 27, pp. 135-138.
- —— and Helmer, Oscar M. An accurate and practical method for blood platelet counting. *Proc. Soc. Exp. Biol. and Med.*, April 16, 1930, 27, pp. 655-656.
- \*Drury, D.R., and McMaster, Philip D. The liver as the source of fibringen. Jour. Exp. Med., November 1, 1929, 50, pp. 569-578.
- †FLEXNER, SIMON. Postvaccinal encephalitis. Tr. Assn. Am. Phys., May 8, 1929, 44, pp. 181-188.
- —. Postvaccinal encephalitis and allied conditions. Jour. Am. Med. Assn., February 1, 1930, 94, pp. 305-311.
- ---- Richard Mills Pearce, Junior. Science, March 28, 1930, 71, pp. 331-332.
- †Gates, Frederick L. A study of the bactericidal action of ultra violet light. I. The reaction to monochromatic radiations. *Jour. Gen. Physiol.*, November 20, 1929, 13, pp. 231-248.
- †—. A study of the bactericidal action of ultra violet light. II. The effect of various environmental factors and conditions. *Jour. Gen. Physiol.*, November 20, 1929, 13, pp. 249-260.

<sup>\*</sup> To be published in Studies 72.

- ‡Hughes, Thomas P. The epidemiology of fowl cholera. II. Biological properties of *P. avicida*. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 225-238.
- ‡—— and PRITCHETT, IDA W. The epidemiology of fowl cholera. III. Portal of entry of P. avicida; reaction of the host. Jour. Exp. Med., February 1, 1930, 51, pp. 239-248.
- LANDSTEINER, K. Poliomyelitis acuta, in Kolle, W., Kraus, R., and Uhlenhuth, P., Handbuch der pathogenen Mikroorganismen, Jena, Gustav Fischer, 3rd edition, 1929, 8, No. 38, pp. 777-820.
- ‡— and Levine, Philip. On the inheritance and racial distribution of agglutinable properties of human blood. *Jour. Immunol.*, February, 1930, 18, pp. 87-94.
- †Levine, Philip, and Landsteiner, K. On immune isoagglutinins in rabbits. *Jour. Immunol.*, December, 1929, 17, pp. 559–565.
- ‡Long, Perrin H., and Olitsky, Peter K. The recovery of vaccine virus after neutralization with immune serum. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 209–217.
- ‡— and —. Effect of cysteine on the survival of vaccine virus. *Proc. Soc. Exp. Biol. and Med.*, February 19, 1930, 27, pp. 380-381.
- \*Muller, Henry R., and Tilden, Evelyn B. Leptospira icteroides and Brazilian yellow fever. Jour. Am. Med. Assn., March 22, 1930, 94, pp. 856-857.
- †—— and Tyler, Joseph R. The effect of the x-ray on the nodules of verruga peruana. *Jour. Exp. Med.*, January 1, 1930, 51, pp. 23–26.
- ‡OLITSKY, PETER K., and HOFFMAN, DONALD C. The electric charge of mosaic virus particles. *Proc. Soc. Exp. Biol. and Med.*, February 19, 1930, 27, pp. 378-379.
- ‡— and Tyler, Joseph R. Bacterium granulosis and trachoma of an urban white population. Science, March 7, 1930, 71, p. 263.
- †Pearce, Louise, and Casey, Albert E. Studies in the blood cytology of the rabbit. I. Blood counts in normal rabbits. *Jour. Exp. Med.*, January 1, 1930, 51, pp. 83-97.
- ‡Pritchett, Ida W., Beaudette, F. R., and Hughes, Thomas P. The epidemiology of fowl cholera. IV. Field observations of the "spontaneous" disease. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 249–258.
- \*—, —, and ——. The epidemiology of fowl cholera. V. Further field observations of the spontaneous disease. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 259-274.

- †Rhoads, C. P. Intradermal immunization of monkeys with one set of injections of poliomyelitis virus. *Jour. Exp. Med.*, January 1, 1930, 51, pp. 1-4.
- Rous, Peyton. The modern dance of death, Cambridge, 1929, 51 pages.
- †— and GILDING, H. P. Is the local vasodilatation after different tissue injuries referable to a single cause? *Jour. Exp. Med.*, January 1, 1930, 51, pp. 27-39.
- ‡Sabin, Florence R., Doan, C. A., and Forkner, C. E. The reactions of the tissues to the lipoid fractions of the tubercle bacillus Strain H37. Am. Rev. Tuberc., February, 1930, 21, pp. 290-294.
- SMILLIE, W. G. An epidemic of influenza in an isolated community—Northwest River, Labrador. Am. Jour. Hyg., March, 1930, 11, pp. 392-398.
- TILDEN, EVELYN B., and TYLER, JOSEPH R. Bacterium granulosis and trachoma. Science, February 14, 1930, 71, pp. 186-187.
- TYLER, JOSEPH R. Transmission of experimental trachoma by contact. Science, December 20, 1929, 70, pp. 612-613.
- †VAN DER SCHEER, J. On the action of serum on the fibrins of various species. *Jour. Immunol.*, January, 1930, 18, pp. 17-22.
- ‡Webster, Leslie T. The epidemiology of fowl cholera. Experimental studies. I. Introduction. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 219-223.
- ‡Wormall, Arthur. The immunological specificity of chemically altered proteins. Halogenated and nitrated proteins. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 295-317.

# Biophysics

- DURAN-REYNALS, F. Introduccio a l'estudi del cancer (primer volum). Monografies mèdiques, No. 27, Barcelona, 1929, 55 pages.
- —. Introduccio a l'estudi del cancer (segon volum). Monografies mèdiques, No. 28, Barcelona, 1929, 53 pages.
- †EBELING, ALBERT H., and COREY, ROBERT B. An apparatus for the study of respiratory quotient and basal metabolism of mice. *Jour. Exp. Med.*, January 1, 1930, 51, pp. 41-50.
- ‡Patterson, A. L. The Gibbs-Ewald reciprocal lattice. *Nature*, February 15, 1930, 125, p. 238.
- ‡—. The Gibbs-Ewald reciprocal lattice. Nature, March 22, 1930, 125, p. 447.

<sup>†</sup> To be published in Studies 73.

- †Wyckoff, Ralph W. G. The reflecting powers of atoms for x-rays of different wave-lengths. *Physic. Rev.*, January 15, 1930, 35, pp. 215–216.
- ‡—. The scattering power of metallic silicon for molybdenum and for copper radiation. Z. Krist., February, 1930, 73, pp. 181-186.
- †—. The x-ray scattering powers of nickel and oxygen in nickel oxide. *Physic. Rev.*, March 15, 1930, 35, pp. 583-587.
- †—— and Armstrong, Alice H. The x-ray diffracting power of chlorine and ammonium in ammonium chloride. Z. Krist., November, 1929, 72, pp. 319–326.
- †—— and ——. The scattering powers of the atoms in magnesium oxide and sodium fluoride. Z. Krist., January, 1930, 72, pp. 433-441.
- †—— and Baker, Lillian E. The action of Roentgen rays upon Eder's solution. Am. Jour. Roentgenol. and Radium Therap., December, 1929, 22, pp. 551-554.
- †—— and COREY, ROBERT B. The crystal structure of tetramethyl, trimethyl and triethyl methyl ammonium chlorostannates. Am. Jour. Sc., November, 1929, 18, series 5, pp. 437–445.
- and RIVERS, THOMAS M. Effect of cathode rays upon certain bacteria. *Proc. Soc. Exp. Biol. and Med.*, December 14, 1929, 27, pp. 312-314.

# Chemistry

- †BAUDISCH, OSKAR. Die Bedeutung von Austausch- oder Verdrängungs-Reaktionen bei katalytischen Vorgängen. Ber.chem. Ges., November 6, 1929, 62, pp. 2699–2705.
- †—. Über die Wirkung des Lichtes auf Ferrocyankalium-Lösung (II. Mitteil.). Ber. chem. Ges., November 6, 1929, 62, pp. 2706–2712.
- ‡Levene, P. A., and Jorpes, Erik. A method of separation of ribopolynucleotides from thymonucleic acid and on the conditions for a quantitative separation of the purine bases from the ribopolynucleotides. *Jour. Biol. Chem.*, March, 1930, 86, pp. 389-401.
- ‡— and —. On the structure of melibiose. Jour. Biol. Chem., March, 1930, 86, pp. 403-415.
- †— and Mikeska, L. A. On Walden inversion. XIII. The influence of substituting groups on optical rotation in the series of disubstituted acetic acids. *Jour. Biol. Chem.*, November, 1929, 84, pp. 571-599.
- ‡—, —, and Mori, T. On the carbohydrate of thymonucleic acid. Jour. Biol. Chem., February, 1930, 85, pp. 785-787.
- The relation of chemical structure to the rate of hydrolysis of ketopi-

<sup>†</sup> To be published in Studies 73.

- perazines. II. Hydrolysis of ketopiperazines by alkali. *Jour. Biol. Chem.*, April, 1930, 86, pp. 723-732.
- ‡Levene, P. A., and Steiger, Robert E. Studies on racemization. IX. Action of alkali on ketopiperazines. Action of hydrochloric acid on amino acids, peptides, and ketopiperazines. *Jour. Biol. Chem.*, April, 1930, 86, pp. 703-722.
- ‡STEIGER, ROBERT E. The formylation of amino acids. Jour. Biol. Chem., April, 1930, 86, pp. 695-702.

# Chemical Pharmacology

- JACOBS, WALTER A., and GUSTUS, EDWIN L. The structural correlation of gitoxigenin with digitoxigenin. *Science*, December 27, 1929, 70, pp. 639-640.
- ‡—— and ——. The digitalis glucosides. IV. The correlation of gitoxigenin with digitoxigenin. *Jour. Biol. Chem.*, March, 1930, 86, pp. 199-216.

# Experimental Surgery

- †CARREL, ALEXIS. La mesure de la concentration en ions H des milieux de culture à l'aide de l'électrode de verre. Compt. rend. Soc. biol., November 29, 1929, 102, pp. 639-641.
- †—. La technique de la culture des tissus en goutte pendante. Compt. rend. Soc. biol., December 6, 1929, 102, pp. 742-744.
- —. The relation of cells to one another, in Cowdry, E.V., Human biology and racial welfare, New York, Paul B. Hoeber, Inc., 1930, pp. 205-218.
- ROSENBERGER, HEINZ. A microcinematographic apparatus for the owner of a 16-mm. motion picture camera. *Science*, March 7, 1930, 71, pp. 266-267.

# General Physiology

- †Anson, M. L., and Mirsky, A. E. Protein coagulation and its reversal. The preparation of completely coagulated hemoglobin. *Jour. Gen. Physiol.*, November 20, 1929, 13, pp. 121-132.
- ‡— and —. Protein coagulation and its reversal. The preparation of insoluble globin, soluble globin and heme. *Jour. Gen. Physiol.*, March 20, 1930, 13, pp. 469-476.
- †BLINKS, L. R. Protoplasmic potentials in Halicystis. Jour. Gen. Physiol., November 20, 1929, 13, pp. 223-229.
- †—. The direct current resistance of Valonia. Jour. Gen. Physiol., January 20, 1930, 13, pp. 361-378.

<sup>†</sup> To be published in Studies 73.

- ‡BLINKS, L. R. The direct current resistance of Nitella. Jour. Gen. Physiol., March 20, 1930, 13, pp. 495-508.
- †Damon, E. B. Dissimilarity of inner and outer protoplasmic surfaces in Valonia. II. Jour. Gen. Physiol., November 20, 1929, 13, pp. 207-221.
- ‡—— and OSTERHOUT, W. J. V. The concentration effect with Valonia: potential differences with concentrated and diluted sea water. Jour. Gen. Physiol., March 20, 1930, 13, pp. 445-457.
- ‡Hill, Samuel E. An improved calomel electrode vessel. Science, February 14, 1930, 71, p. 193.
- IRWIN, MARIAN. The form of dye penetrating the cell as determined by the glass electrode. *Proc. Soc. Exp. Biol. and Med.*, November 20, 1929, 27, pp. 132-133.
- ‡—. Spectrophotometric studies of penetration of dyes. VII. Dyes absorbed by a non-medullated nerve. *Jour. Gen. Physiol.*, March 20, 1930, 13, pp. 391-394.
- NORTHROP, JOHN H. Viscosity. Bull. Nat. Research Council, No. 69, May, 1929, pp. 142-145.
- OSTERHOUT, W. J. V. Some aspects of permeability and bioelectrical phenomena. *Bull. Nat. Research Council*, No. 69, May, 1929, pp. 170-228.
- †—. The kinetics of penetration. I. Equations for the entrance of electrolytes. *Jour. Gen. Physiol.*, November 20, 1929, 13, pp. 261-294.
- t—— and Hill, Samuel E. Negative variations in *Nitella* produced by chloroform and by potassium chloride. *Jour. Gen. Physiol.*, March 20, 1930, 13, pp. 459-467.

# Physical Chemistry

- †MacInnes, D. A., and Dole, Malcolm. The behavior of glass electrodes of different compositions. *Jour. Am. Chem. Soc.*, January, 1930, 52, pp. 29-36.
- †MICHAELIS, L. Oxidation-reduction systems of biological significance. VI. The mechanism of the catalytic effect of iron on the oxidation of cysteine. *Jour. Biol. Chem.*, November, 1929, 84, pp. 777-787.

#### THE DEPARTMENT OF THE HOSPITAL

- COHN, ALFRED E. On the reasons for further statistical analyses of the heart diseases. New York State Jour. Med., October 15, 1929, 29, pp. 1250-1251.
- —, Lange, F., and Ehrich, Wilhelm. Observations on the blood vessels of the vascular membrane of chicken embryos. *Proc. Soc. Exp. Biol. and Med.*, February 19, 1930, 27, pp. 395-396.

- Cole, Rufus. Immune serum in the treatment of pneumonia. Tr. Assn. Am. Phys., May 8, 1929, 44, pp. 194-200.
- †Dawson, Martin H. The transformation of pneumococcal types. I. The conversion of R forms of Pneumococcus into S forms of the homologous type. Jour. Exp. Med., January 1, 1930, 51, pp. 99-122.
- †—. The transformation of pneumococcal types. II. The interconvertibility of type-specific S pneumococci. *Jour. Exp. Med.*, January 1, 1930, 51, pp. 123-147.
- †HAWKINS, JAMES A., MACKAY, EATON M., and VAN SLYKE, DONALD D. Glucose excretion in Bright's disease. *Jour. Clin. Inv.*, December 20, 1929, 8, pp. 107–121.
- ‡HITCHCOCK, CHARLES H., and EHRICH, WILHELM. A new method for differential staining of plasma cells and of other basophilic cells. *Arch. Path.*, March, 1930, 9, pp. 625-630.
- ‡Julianelle, Louis A. Reactions of rabbits to intracutaneous injections of pneumococci and their products. I. The antibody response. *Jour. Exp. Med.*, March 1, 1930, 51, pp. 441-448.
- ‡——. Reactions of rabbits to intracutaneous injections of pneumococci and their products. II. Resistance to infection. Jour. Exp. Med., March 1, 1930, 51, pp. 449-462.
- ‡—. Reactions of rabbits to intracutaneous injections of pneumococci and their products. III. Reactions at the site of injection. *Jour. Exp. Med.*, March 1, 1930, 51, pp. 463-472.
- ‡——. Reactions of rabbits to intracutaneous injections of pneumococci and their products. IV. The development of skin reactivity to derivatives of Pneumococcus. *Jour. Exp. Med.*, April 1, 1930, 51, pp. 625-632.
- ‡——. Reactions of rabbits to intracutaneous injections of pneumococci and their products. V. The development of eye reactivity to derivatives of pneumococci. *Jour. Exp. Med.*, April 1, 1930, 51, pp. 633-642.
- ‡—. Reactions of rabbits to intracutaneous injections of pneumococci and their products. VI. Hypersensitiveness to pneumococci and their products. Jour. Exp. Med., April 1, 1930, 51, pp. 643-657.
- †Mirsky, A. E., and Anson, M. L. Protein coagulation and its reversal. The reversal of the coagulation of hemoglobin. *Jour. Gen. Physiol.*, November 20, 1929, 13, pp. 133-143.
- t—and—. Protein coagulation and its reversal. Improved methods for the reversal of the coagulation of hemoglobin. *Jour. Gen. Physiol.*, March 20, 1930, 13, pp. 477-481.

<sup>†</sup> To be published in Studies 73.

<sup>‡</sup> To be published in Studies 74.

- †Moore, Norman S., and Stewart, Harold J. The disappearance of intraventricular heart-block occurring in uremia following the intravenous injection of hypertonic glucose solution. *Am. Heart Jour.*, April, 1930, 5, pp. 469–476.
- ‡— and VAN SLYKE, DONALD D. The relationships between plasma specific gravity, plasma protein content and edema in nephritis. Jour. Clin. Inv., April 20, 1930, 8, pp. 337-355.
- MUCKENFUSS, R. S., and RIVERS, THOMAS M. Survival of vaccine virus separated from living host cells by collodion membranes. *Proc. Soc. Exp. Biol. and Med.*, November 20, 1929, 27, pp. 139-140.
- t— and —. Survival of vaccine virus separated from living host cells by collodion membranes. *Jour. Exp. Med.*, January 1, 1930, 51, pp. 149–159.
- PITTMAN, MARGARET. The "S" and "R" forms of Haemophilus influenzae. Proc. Soc. Exp. Biol. and Med., December 14, 1929, 27, pp. 299-301.
- RIVERS, THOMAS M. Relation of varicella to herpes zoster [abstract]. Tr. Assn. Am. Phys., May 7, 1929, 44, pp. 165-168.
- \*—, HAAGEN, E., and MUCKENFUSS, R. S. Development in tissue cultures of the intracellular changes characteristic of vaccinal and herpetic infections. *Jour. Exp. Med.*, November 1, 1929, 50, pp. 665-672.
- \*—, and —. A study of vaccinal immunity in tissue cultures. Jour. Exp. Med., November 1, 1929, 50, pp. 673-685.
- SENDROY, JULIUS, JR., LIU, S. H., and VAN SLYKE, DONALD D. Estimation gazométrique de la constante d'affinité relative pour l'oxyde de carbone et l'oxygène dans le sang total à 38°. *Bull. Soc. chim. biol.*, April, 1930, 12, p. 532.
- ‡Stewart, Harold J. The use of theocalcin in the treatment of heart failure of the congestive type. *Jour. Clin. Inv.*, April 20, 1930, 8, pp. 389-417.
- ‡STILLMAN, ERNEST G., and BRANCH, ARNOLD. Early pulmonary lesions in partially immune alcoholized mice following inhalation of virulent pneumococci. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 275-283.
- \*TILLETT, WILLIAM S., AVERY, OSWALD T., and GOEBEL, WALTHER F. Chemo-immunological studies on conjugated carbohydrate-proteins. III. Active and passive anaphylaxis with synthetic sugar-proteins. *Jour. Exp. Med.*, November 1, 1929, 50, pp. 551–567.
- \*— and Francis, Thomas, Jr. Cutaneous reactions to the polysaccharides and proteins of Pneumococcus in lobar pneumonia. *Jour. Exp. Med.*, November 1, 1929, **50**, pp. 687-701.

<sup>\*</sup> To be published in Studies 72.

<sup>‡</sup> To be published in Studies 74.

- VAN SLYKE, DONALD D. Gasometrische Mikro-Kjeldahl-Stickstoffbestimmung, in Abderhalden, E., Handbuch der biologischen Arbeitsmethoden, Berlin and Vienna, Urban and Schwarzenberg, 1930, Abt. 4, Teil 13, pp. 81–86.
- —. Bestimmung von Harnstoff durch gasometrische Messung des durch die Einwirkung von Urease gebildeten Kohlendioxydes, in Abderhalden, E., Handbuch der biologischen Arbeitsmethoden, Berlin and Vienna, Urban and Schwarzenberg, 1930, Abt. 4, Teil 1, pp. 749-770.
- †—, McIntosh, J. F., Möller, Eggert, Hannon, R. R., and Johnston, Christopher. Studies of urea excretion. VI. Comparison of the blood urea clearance with certain other measures of renal function. *Jour. Clin. Inv.*, April 20, 1930, 8, pp. 357-374.

#### THE DEPARTMENT OF ANIMAL PATHOLOGY

- †GLASER, R. W. On the isolation, cultivation and classification of the socalled intracellular "symbiont" or "rickettsia" of *Periplaneta ameri*cana. Jour. Exp. Med., January 1, 1930, 51, pp. 59-82.
- †—. The intracellular "symbionts" and the "rickettsiae." Arch. Path., January, 1930, 9, pp. 71-96.
- †—. The intracellular "symbionts" and the "rickettsiae." (Concluded from page 96.) Arch. Path., February, 1930, 9, pp. 557-576.
- ‡—. A new flagellate from the intestine of Lucilia caesar L. Jour. Parasitol., March, 1930, 16, pp. 137-139.
- †— and Fox, Henry. A nematode parasite of the Japanese beetle (Popillia japonica Newm.). Science, January 3, 1930, 71, pp. 16-17.
- GOWEN, JOHN W. On criteria for breeding capacity in dairy cattle. *Proc.* Am. Soc. Animal Production, November 29 to December 1, 1929, pp. 47-49.
- ‡Horvath, A. A. Studies in blood composition of animals under pathological conditions. II. Experiments with lupines. *Jour. Pharmacol. and Exp. Therap.*, March, 1930, 38, pp. 303-311.
- ‡Jones, F. S., and Simms, Henry S. The bacterial growth inhibitor (lactenin) of milk. I. The preparation in concentrated form. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 327-339.
- Lewis, Paul A. The inheritance of disease, in Cowdry, E. V., Human biology and racial welfare, New York, Paul B. Hoeber, Inc., 1930, pp. 491-514.

<sup>†</sup> To be published in Studies 73.

<sup>‡</sup> To be published in Studies 74.

- †Lewis, Paul A., and Shope, Richard E. The blood in hog cholera. Jour. Exp. Med., December 1, 1929, 50, pp. 719-737.
- †LITTLE, RALPH B. I. Isoagglutinins in the blood of cattle. Jour. Immunol., November, 1929, 17, pp. 377-389.
- †—. II. Irregularities observed in the isoagglutination reaction of the blood of bovines. *Jour. Immunol.*, November, 1929, 17, pp. 391-400.
- †—. III. Inactivation by heat of the isoagglutinins in the blood of cattle with reactivation by the addition of fresh cow serum. *Jour. Immunol.*, November, 1929, 17, pp. 401-410.
- †—. IV. The deterioration of the isoagglutinins in stored bovine serum. The reactivation of the agglutinins by the addition of normal cow serum. *Jour. Immunol.*, November, 1929, 17, pp. 411-417.
- †Nelson, John B. The bacteria of the infected middle ear in adult and young albino rats. *Jour. Infect. Dis.*, January, 1930, 46, pp. 64-75.
- †— and Gowen, John W. The incidence of middle ear infection and pneumonia in albino rats at different ages. *Jour. Infect. Dis.*, January, 1930, 46, pp. 53-63.
- ‡Seifried, Oskar. Zur Frage der histologischen Unterscheidung der A-Avitaminose der oberen Luftwege von der sogenannten "Coryza contagiosa" der Hühner. Bemerkungen zu der Arbeit von L. Riedmüller in Z. Infektionskrankh. Haustiere, March 10, 1930, 37, pp. 137-170. Z. Infektionskrankh. Haustiere, March 10, 1930, 37, pp. 171-177.
- ‡Shope, Richard E. Variations in the plasma cholesterol and cholesterol ester content in hog cholera. *Jour. Exp. Med.*, February 1, 1930, 51, pp. 179-187.
- ‡SIMMS, HENRY S. A concentrating dialyzer. Jour. Exp. Med., February 1, 1930, 51, pp. 319-326.
- SMITH, THEOBALD. Undulant fever [abstract]. Health News, August 5, 1929, 6, pp. 121-122.
- —. The influence of research in bringing into closer relationship the practice of medicine and public health activities. Am. Jour. Med. Sc., December, 1929, 178, pp. 741-747.
- ‡——. The immunological significance of colostrum. I. The relation between colostrum, serum, and the milk of cows normal and immunized towards B. coli. Jour. Exp. Med., March 1, 1930, 51, pp. 473-481.
- †—. The immunological significance of colostrum. III. Intranuclear bodies in renal disease of calves. *Jour. Exp. Med.*, April 1, 1930, 51, pp. 519-529.

<sup>†</sup> To be published in Studies 73.

‡SMITH, THEOBALD, and LITTLE, RALPH B. The immunological significance of colostrum. II. The initial feeding of serum from normal cows and cows immunized towards B. coli in place of colostrum. Jour. Exp. Med., March 1, 1930, 51, pp. 483-492.

†Stoll, Norman R. On methods of counting nematode ova in sheep dung. Parasitol., January, 1930, 22, pp. 116-136.

† To be published in Studies 73.

‡ To be published in Studies 74.

The papers marked \*, †, and ‡, 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, 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
YORK AVENUE 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. 29, 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, 1930, TO NOVEMBER 1, 1930

#### THE DEPARTMENT OF THE GENERAL LABORATORIES

### Pathology and Bacteriology

- DOAN, CHARLES A. The relationship of recent investigations to diagnosis and prognosis in clinical tuberculosis. *New England Jour. Mcd.*, October 30, 1930, 203, pp. 862-869.
- † FORKNER, CLAUDE E. The origin and fate of two types of multinucleated giant cells in the circulating blood. *Jour. Exp. Med.*, August 1, 1930, 52, pp. 279-297.
- ‡—. A method for supravital staining of animals with neutral red and its preservation in paraffin sections. *Jour. Exp. Med.*, September 1, 1930, 52, pp. 379-384.
- ‡ GATES, FREDERICK L. A method of titrating proteolytic enzymes. Science, August 8, 1930, 72, pp. 147-148.
- ‡—. A study of the bactericidal action of ultra violet light. III. The absorption of ultra violet light by bacteria. *Jour. Gen. Physiol.*, September 20, 1930, 14, pp. 31-42.
- † Harnes, Alvin R. The influence of ultra-violet radiation on the weight of adult rabbits, normal and syphilitic. *Jour. Exp. Med.*, August 1, 1930, 52, pp. 253-266.
- Hughes, T. P. Acid agglutination zones of typical and variant pneumococci. *Proc. Soc. Exp. Biol. and Med.*, May 21, 1930, 27, pp. 804-805.
- † Landsteiner, K. Further observations on hemagglutination by tumor extracts. *Proc. Soc. Exp. Biol. and Med.*, May 21, 1930, 27, pp. 813-814.
- —. Über einige neuere Ergebnisse der Serologie. Naturwissenschaften, July 18, 1930, 18, pp. 653-659.

- ‡ Landsteiner, K., and Levine, Philip. Experiments on anaphylaxis to azoproteins. Third paper. *Jour. Exp. Med.*, September 1, 1930, 52, pp. 347-359.
- —, —, and VAN DER SCHEER, J. Anaphylactic reactions produced by azodyes in animals sensitized with azoproteins. *Proc. Soc. Exp. Biol. and Med.*, May 21, 1930, 27, pp. 811-812.
- and VAN DER SCHEER, J. Antigens containing peptides of known structure and antigenic properties of azoalbumoses. *Proc. Soc. Exp. Biol. and Med.*, May 21, 1930, 27, pp. 812-813.
- ‡ Long, P. H., Olitsky, Peter K., and Rhoads, C. P. Survival and multiplication of the virus of poliomyelitis *in vitro*. *Jour. Exp. Med.*, September 1, 1930, 52, pp. 361-377.
- NIGG, CLARA, and LANDSTEINER, K. Growth of rickettsia of typhus fever (Mexican type) in the presence of living tissue. *Proc. Soc. Exp. Biol. and Med.*, October 15, 1930, 28, pp. 3-5.
- ‡OLITSKY, PETER K. Studies on the bacteriology of epidemic influenza. *Medicine*, September, 1930, 9, pp. 387-411; De Lamar Lectures, 1929-30, Baltimore, The Williams and Wilkins Company, 1930.
- †— and Tyler, Joseph R. Direct transmission of human trachoma to the monkey. Science, May 30, 1930, 71, p. 564.
- ‡Pearce, Louise. Studies on blood cytology in experimental syphilis of the rabbit. Presented at the VIIIth International Congress on Dermatology and Syphilology, Copenhagen, August 5-9, 1930.
- —. The treatment of human trypanosomiasis with tryparsamide. A critical review. Monograph of The Rockefeller Institute for Medical Research, No. 23, New York, August 15, 1930, 339 pages.
- † and Casey, Albert E. Studies in the blood cytology of the rabbit. II. Consecutive erythrocyte and hemoglobin observations on groups of normal rabbits. *Jour. Exp. Med.*, July 1, 1930, 52, pp. 23-38.
- † and —. Studies in the blood cytology of the rabbit. III. Consecutive total white blood cell observations on groups of normal rabbits. *Jour. Exp. Med.*, July 1, 1930, 52, pp. 39-56.
- † and —. Studies in the blood cytology of the rabbit. IV. Consecutive neutrophile, basophile, and eosinophile observations on groups of normal rabbits. *Jour. Exp. Med.*, August 1, 1930, 52, pp. 145–166.
- † and —. Studies in the blood cytology of the rabbit. V. Consecutive lymphocyte and monocyte observations on groups of normal rabbits. *Jour. Exp. Med.*, August 1, 1930, 52, pp. 167-179.

<sup>†</sup> To be published in Studies 75.

<sup>‡</sup> To be published in Studies 76.

- \* Rous, Peyton, Gilding, H. P., and Smith, Frederick. The gradient of vascular permeability. *Jour. Exp. Med.*, May 1, 1930, 51, pp. 807-830.
- TILDEN, EVELYN B., and MILLER, EDGAR G. The response of the monkey (Macacus rhesus) to withdrawal of vitamin A from the diet. Jour. Nutrition, September, 1930, 3, pp. 121-140.
- <sup>‡</sup> and Tyler, Joseph R. Bacterium granulosis in relation to trachoma: its recovery from experimentally infected monkeys and from human trachoma. Jour. Exp. Med., October 1, 1930, 52, pp. 617-635.

# Biophysics

- † COREY, ROBERT B., and WYCKOFF, RALPH W. G. The crystal structures of trimethyl and dimethyl ethyl sulphonium chlorostannates and of methyl triethyl phosphonium chlorostannate. *Radiology*, August, 1930, 15, pp. 241-244.
- WYCKOFF, RALPH W. G. The analytical expression of the results of the theory of space groups. Carnegie Institution of Washington, Pub. No. 318; 2nd edition, 1930, 239 pages.
- † —. X-ray diffraction data from several mono-alkyl substituted ammonium iodides. Z. Krist., June, 1930, 74, pp. 25-28.
- ‡ The killing of certain bacteria by x-rays. Jour. Exp. Med., September 1, 1930, 52, pp. 435-446.
- t—. The atomic scattering powers of nickel, copper, and iron for various wave-lengths. *Physic. Rev.*, October 1, 1930, 36, pp. 1116-1120.
- †—— and LAGSDIN, J. B. A simple self-rectifying gas x-ray tube. Radiology, July, 1930, 15, pp. 42-48.
- †—— and RIVERS, THOMAS M. The effect of cathode rays upon certain bacteria. Jour. Exp. Med., June 1, 1930, 51, pp. 921-932.

# Chemistry

- LEVENE, P. A. Vitamin B<sub>2</sub>. Science, June 27, 1930, 71, p. 668.
- and Bass, L. W. Stereochemistry. Annual survey of American chemistry (July 1, 1928, to December 31, 1929), New York, The Chemical Catalog Company, Inc., 1930, 4, pp. 258-273.
- t— and DILLON, ROBERT T. Intestinal nucleotidase. Jour. Biol. Chem., October, 1930, 88, pp. 753-769.
- ‡ and Mikeska, L. A. On the ring structure of methylglucodesoside. Jour. Biol. Chem., October, 1930, 88, pp. 791-798.

<sup>•</sup> To be published in Studies 74.

To be published in Studies 76.

- † Levene, P. A., Mikeska, L. A., and Passoth, Kurt. On Walden inversion. XIV. The influence of substituting groups on optical rotation in the series of di-substituted acetic acids containing a phenyl group. *Jour. Biol. Chem.*, August, 1930, 88, pp. 27-59.
- † and RAYMOND, ALBERT L. The action of benzoic peracid on substituted glucals. *Jour. Biol. Chem.*, September, 1930, 88, pp. 513-518.
- †— and Stevens, P. G. Configurational relationships of phenylated carbinols. *Jour. Biol. Chem.*, June, 1930, 87, pp. 375-391.
- ‡— and Walti, A. Studies in polymerization and condensation. VI. 5, 6-dihydroxyhexanone-2. *Jour. Biol. Chem.*, October, 1930, 88, pp. 771-790.

# Chemical Pharmacology

- ‡ Jacobs, Walter A. Strophanthin. XVIII. Allocymarin and allostrophanthidin. An enzymatic isomerization of cymarin and strophanthidin. *Jour. Biol. Chem.*, September, 1930, 88, pp. 519-529.
- ‡— and Fleck, Elmer E. The partial dehydrogenation of α- and β-amyrin. *Jour. Biol. Chem.*, August, 1930, 88, pp. 137-152.
- ‡— and —. Saponins. V. The partial dehydrogenation of hederagenin. *Jour. Biol. Chem.*, August, 1930, 88, pp. 153-161.
- ‡— and —. Tigogenin, a digitalis sapogenin. Jour. Biol. Chem., September, 1930, 88, pp. 545-550.
- ‡ and Gustus, Edwin L. The digitalis glucosides. V. The oxidation and isomerization of gitoxigenin. *Jour. Biol. Chem.*, September, 1930, 88, pp. 531-544.
- † and Scott, Albert B. The hydrogenation of unsaturated lactones to desoxy acids. *Jour. Biol. Chem.*, July, 1930, 87, pp. 601-613.

# Experimental Surgery

- † ROSENBERGER, HEINZ. An electromagnetic pump. Science, May 2, 1930, 71, pp. 463-464.
- ‡—. Progress in micro cinematography. Jour. Soc. Motion Picture Engineers, October, 1930, 15, pp. 439-444.

# General Physiology

‡ Anson, M. L., and Mirsky, A. E. The reactions of cyanide with globin hemochromogen. *Jour. Gen. Physiol.*, September 20, 1930, 14, pp. 43-54.

<sup>†</sup> To be published in Studies 75.

<sup>.</sup> To be published in Studies 76.

- † BLINKS, L. R. The variation of electrical resistance with applied potential.

  I. Intact Valonia ventricosa. Jour. Gen. Physiol., July 20, 1930, 13, pp. 793-806.
- †—. The variation of electrical resistance with applied potential. II. Thin collodion films. *Jour. Gen. Physiol.*, September 20, 1930, 14, pp. 127-138.
- ‡—. The variation of electrical resistance with applied potential. III. Impaled *Valonia ventricosa*. *Jour. Gen. Physiol.*, September 20, 1930, 14, pp. 139–162.
- †— and JACQUES, A. G. The cell sap of Halicystis. Jour. Gen. Physiol., July 20, 1930, 13, pp. 733-737.
- ‡ COOPER, WM. C., JR., and OSTERHOUT, W. J. V. The accumulation of electrolytes. I. The entrance of ammonia into *Valonia macrophysa*. *Jour. Gen. Physiol.*, September 20, 1930, 14, pp. 117-125.
- IRWIN, M. Studies on the penetration of dyes with the glass electrode.
  II. Penetration into Nitella from solutions of cresyl blue, azure B, and methylene blue solution. Proc. Soc. Exp. Biol. and Med., June, 1930, 27, pp. 991-992.
- —. Studies on the penetration of dyes with the glass electrode. III. Penetration into *Valonia* of cresyl blue and azure B. *Proc. Soc. Exp. Biol. and Med.*, June, 1930, 27, pp. 992-993.
- ‡—. Studies on penetration of dyes with glass electrode. IV. Penetration of brilliant cresyl blue into *Nitella flexilis*. *Jour. Gen. Physiol.*, September 20, 1930, 14, pp. 1-17.
- ‡—. Studies on penetration of dyes with glass electrode. V. Why does azure B penetrate more readily than methylene blue or crystal violet? *Jour. Gen. Physiol.*, September 20, 1930, 14, pp. 19-29.
- † Jacques, A. G., and Osterhout, W. J. V. The kinetics of penetration. II. The penetration of CO<sub>2</sub> into *Valonia*. *Jour. Gen. Physiol.*, July 20, 1930, 13, pp. 695-713.
- † KRUEGER, ALBERT P. A method for the quantitative estimation of bacteria in suspensions. *Jour. Gen. Physiol.*, May 20, 1930, 13, pp. 553-556.
- †—. A method for the quantitative determination of bacteriophage. Jour. Gen. Physiol., May 20, 1930, 13, pp. 557-564.
- † Kunitz, M. Elasticity, double refraction, and swelling of isoelectric gelatin. *Jour. Gen. Physiol.*, May 20, 1930, 13, pp. 565-606.
- † NORTHROP, JOHN H. Crystalline pepsin. I. Isolation and tests of purity. Jour. Gen. Physiol., July 20, 1930, 13, pp. 739-766.

<sup>†</sup> To be published in Studies 75.

- † NORTHROP, JOHN H. Crystalline pepsin. II. General properties and experimental methods. *Jour. Gen. Physiol.*, July 20, 1930, 13, pp. 767-780.
- † and Kunitz, M. Solubility curves of mixtures and solid solutions. Jour. Gen. Physiol., July 20, 1930, 13, pp. 781-791.
- † OSTERHOUT, W. J. V. Calculations of bioelectric potentials. I. Effects of KCl and NaCl on *Nitella*. *Jour. Gen. Physiol.*, July 20, 1930, 13, pp. 715-732.
- † and Hill, S. E. Salt bridges and negative variations. *Jour. Gen. Physiol.*, May 20, 1930, 13, pp. 547-552.

# Physical Chemistry

- † Longsworth, L. G. An application of moving boundaries to a study of aqueous mixtures of hydrogen chloride and potassium chloride. *Jour. Am. Chem. Soc.*, May, 1930, 52, pp. 1897–1910.
- MacInnes, D. A. Electrochemistry. Annual survey of American chemistry (July 1, 1928, to December 31, 1929), New York, The Chemical Catalog Company, Inc., 1930, 4, pp. 118–123.
- † MICHAELIS, L. Diethylbarbiturate buffer. Jour. Biol. Chem., May, 1930, 87, pp. 33-35.
- † and EAGLE, H. Some redox indicators. Jour. Biol. Chem., July, 1930, 87, pp. 713-727.
- and Salomon, K. Atmung der roten Blutkörperchen, hervorgerufen durch atmungserregende Substanzen. *Naturwissenschaften*, June 13, 1930, 18, p. 566.
- † and —. Respiration of mammalian erythrocytes. *Jour. Gen. Physiol.*, July 20, 1930, 13, pp. 683-693.
- † Shedlovsky, Theodore. A screened bridge for the measurement of electrolytic conductance. I. Theory of capacity errors. II. Description of the bridge. *Jour. Am. Chem. Soc.*, May, 1930, 52, pp. 1793-1805.
- † —. A conductivity cell for eliminating electrode effects in measurements of electrolytic conductance. *Jour. Am. Chem. Soc.*, May, 1930, 52, pp. 1806-1811.

#### THE DEPARTMENT OF THE HOSPITAL

† Anson, M. L., and Mirsky, A. E. Hemoglobin, the heme pigments, and cellular respiration. *Physiol. Rev.*, July, 1930, 10, pp. 506-546.

<sup>†</sup> To be published in Studies 75.

- † AVERY, OSWALD T., and DUBOS, RENÉ. The specific action of a bacterial enzyme on pneumococci of Type III. *Science*, August 8, 1930, 72, pp. 151-152.
- † COHN, A. E., and LANGE, FRITZ. Studies on the blood vessels in the membranes of chick embryos. Part III. Anatomy and physiology of the blood vessels at different ages. *Jour. Exp. Med.*, July 1, 1930, 52, pp. 81-87.
- Cole, Rufus. Progress of medicine during the past twenty-five years as exemplified by the Harvey Society Lectures. *Science*, June 20, 1930, 71, pp. 617-627.
- † Derick, C. L., Hitchcock, C. H., and Swift, Homer F. Reactions of rabbits to non-hemolytic streptococci. III. A study of modes of sensitization. *Jour. Exp. Med.*, July 1, 1930, 52, pp. 1–22.
- ‡ Dubos, René. The bacteriostatic action of certain components of commercial peptones as affected by conditions of oxidation and reduction. Jour. Exp. Med., September 1, 1930, 52, pp. 331-345.
- † Ehrich, Wilhelm. Lipoid nephrosis of unusual duration. II. Pathologic-anatomic report. *Arch. Int. Med.*, May, 1930, 45, pp. 749-759.
- ‡Francis, Thomas, Jr., and Tillett, William S. Cutaneous reactions in pneumonia. The development of antibodies following the intradermal injection of type-specific polysaccharide. *Jour. Exp. Med.*, October 1, 1930, 52, pp. 573–585.
- ‡ HITCHCOCK, C. H., McEwen, Currier, and Swift, Homer F. Antistreptococcus serum treatment of patients with rheumatic fever. Am. Jour. Med. Sc., October, 1930, 180, pp. 497-514.
- ‡ Johnston, Christopher. A comparison of the urea nitrogen content of cutaneous and venous blood by micro gasometric analysis. *Jour. Clin. Inv.*, October 20, 1930, 9, pp. 209-213.
- ‡ Julianelle, Louis A. The distribution of Friedländer's bacilli of different types. *Jour. Exp. Med.*, October 1, 1930, **52**, pp. 539-545.
- † Lange, Fritz. Studies on the blood vessels in the membranes of chick embryos. Part II. Reactions of the blood vessels in the vascular membranes. *Jour. Exp. Med.*, July 1, 1930, 52, pp. 73-79.
- † —. Studies on the blood vessels in the membranes of chick embryos. Part IV. Modification of irritability of the blood vessels. *Jour. Exp. Med.*, July 1, 1930, 52, pp. 89-93.
- † —, EHRICH, WILHELM, and COHN, A. E. Studies on the blood vessels in the membranes of chick embryos. Part I. Absence of nerves in the vascular membrane. *Jour. Exp. Med.*, July 1, 1930, 52, pp. 65–72.

<sup>†</sup> To be published in Studies 75.

- ‡ LI, C. P., and RIVERS, THOMAS M. Cultivation of vaccine virus. Jour. Exp. Med., October 1, 1930, 52, pp. 465-470.
- † MacKay, Eaton M., and Johnston, Christopher. Lipoid nephrosis. Report of a case of unusual duration. *Arch. Int. Med.*, May, 1930, 45, pp. 734-741.
- † RIVERS, THOMAS M. Infectious myxomatosis of rabbits. Observations on the pathological changes induced by *Virus myxomatosum* (Sanarelli). *Jour. Exp. Med.*, June 1, 1930, 51, pp. 965-976.
- ‡——, Benjamin, Bernard, and Berry, G. P. Psittacosis. Report of a case. Jour. Am. Med. Assn., August 23, 1930, 95, pp. 577-579.
- and Berry, G. P. Observations on psittacosis in mammals. *Proc. Soc. Exp. Biol. and Med.*, May 21, 1930, 27, pp. 802-803.
- ‡——, and Rhoads, C. P. Psittacosis. Observations concerning the experimental disease in parrots, mice, rabbits, guinea-pigs, and monkeys. *Jour. Am. Med. Assn.*, August 23, 1930, 95, pp. 579-583.
- SENDROY, JULIUS, JR., and HASTINGS, A. BAIRD. Reply to note on the dissociation constants of certain sulfonphthalein indicators. *Jour. Physic. Chem.*, July, 1930, 34, pp. 1607–1608.
- \* STILLMAN, ERNEST G. The effect of the route of immunization on the immunity response to Pneumococcus Type I. Jour. Exp. Med., May 1, 1930, 51, pp. 721-727.
- † —. Susceptibility of rabbits to infection by the inhalation of Type II pneumococci. *Jour. Exp. Med.*, August 1, 1930, 52, pp. 215-224.
- † —. Development of agglutinins and protective antibodies in rabbits, after inhalation of Type II pneumococci. *Jour. Exp. Med.*, August 1, 1930, 52, pp. 225-234.
- TILLETT, WILLIAM S., and FRANCIS, THOMAS, JR. Serological reactions in pneumonia with a non-protein somatic fraction of pneumococcus. Proceedings of the 22nd Annual Meeting of the American Society for Clinical Investigation, May 5, 1930; abstracted in *Jour. Clin. Inv.*, August 20, 1930, 9, pp. 11–12.
- ‡ and —. Serological reactions in pneumonia with a non-protein somatic fraction of pneumococcus. *Jour. Exp. Med.*, October 1, 1930, 52, pp. 561-571.
- † Van Slyke, Donald D., and Hawkins, James A. Studies of gas and electrolyte equilibria in blood. XVI. The evolution of carbon dioxide from blood and buffer solutions. *Jour. Biol. Chem.*, June, 1930, 87, pp. 265–279.

<sup>\*</sup> To be published in Studies 74.

<sup>†</sup> To be published in Studies 75.

<sup>‡</sup> Van Slyke, Donald D., Stillman, Edgar, Möller, Eggert, Ehrich, Wilhelm, McIntosh, J. T., Leiter, L., MacKay, Eaton M., Hannon, R. R., Moore, N. S., and Johnston, Christopher. Observations on the courses of different types of Bright's disease, and on the resultant changes in renal anatomy. *Medicine*, September, 1930, 9, pp. 257–386; Medicine Monographs, XVIII, Baltimore, The Williams and Wilkins Company, 1930.

#### THE DEPARTMENT OF ANIMAL PATHOLOGY

† GLASER, R. W. Cultivation and classification of "bacteroides," "symbionts," or "Rickettsiae" of Blattella germanica. Jour. Exp. Med., June 1, 1930, 51, pp. 903-907.

\* — and CORIA, N. A. Methods for the pure culture of certain protozoa.

Jour. Exp. Med., May 1, 1930, 51, pp. 787-806.

HORVATH, A. A. Studies in blood composition of animals under pathological conditions. III. Feeding hens with corn smut (*Ustilago zeae*). *Poultry Sc.*, June 1, 1930, 9, pp. 313-319.

—. Changes in hen's blood produced by a diet of sprouted soybeans.

Am. Jour. Physiol., July 1, 1930, 94, pp. 65-68.

- † Jones, F. S., and Little, Ralph B. A contribution to the epidemiology of specific infectious cystitis and pyelonephritis of cows. *Jour. Exp. Med.*, June 1, 1930, 51, pp. 909–920.
- and SIMMS, H. S. The present status of lactenin. Science, October 31, 1930, 72, pp. 456-457.
- ‡ Seiffled, Oskar. Studies on A-avitaminosis in chickens. I. Lesions of the respiratory tract and their relation to some infectious diseases. Jour. Exp. Med., October 1, 1930, 52, pp. 519-531.
- ‡—. Studies on A-avitaminosis in chickens. II. Lesions of the upper alimentary tract and their relation to some infectious diseases. *Jour. Exp. Med.*, October 1, 1930, 52, pp. 533-538.
- ‡ SIMMS, HENRY S. The arginine and prearginine groups in edestin. Jour. Gen. Physiol., September 20, 1930, 14, pp. 87-97.

‡ To be published in Studies 76.

The papers marked \*, †, and ‡, 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

<sup>\*</sup> To be published in Studies 74.

<sup>†</sup> To be published in Studies 75.

subscribe to The Journal of Experimental Medicine, 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
YORK AVENUE AND 66TH STREET
NEW YORK, N. Y.