

INDEX

- Agglutination of antigens from distemper-infected dogs and ferrets by anticanine-distemper immune sera, 355
- Alum toxoid prepared from diphtherial toxin produced on a gelatin-hydrolysate medium, An, 57
- Anaphylaxis in guinea-pigs and the Shwartzman phenomenon in rabbits. The immunological specificity of sulfonamide protein conjugates as demonstrated by, 103
in the guinea-pig, A quantitative study of passive, II, 181
- Anigstein, Ludwik, Madero N. Bader, Gerald Young and Dorothea Neubauer. Protection against spotted fever by specific immune serum inoculated intradermally at the site of infection, 69
- Antibiotic activity, Production and, I. Studies on penicillin, 259
- Antibody, Coordinate effects of electrolyte and, on the infectivity of bacteriophage, 221
- Antibrain antibodies in the monkey, The production of, 297
- Antigens from distemper-infected dogs and ferrets, Agglutination of, by anticanine-distemper immune sera, 355
- Antirenin, 79
- Bact. typhosum*, The effect of paraffin oil, lanolin-like substances and killed tubercle bacilli on immunization with diphtheric toxoid and, 325
- Bacteriophage, Coordinate effects of electrolyte and antibody on the infectivity of, 221
- Bader, Madero N. (joint author) with Ludwik Anigstein, Gerald Young and Dorothea Neubauer. Protection against spotted fever by specific immune serum inoculated intradermally at the site of infection, 69
- Beard, Dorothy (joint author) with A. R. Taylor, D. G. Sharp, I. W. McLean, Jr., and J. W. Beard. The relation of viral concentration to the infectivity for chick embryos of influenza virus B (Lee strain), 191
(joint author) with A. R. Taylor, D. G. Sharp, I. W. McLean, Jr., J. W. Beard, J. H. Dingle and A. E. Feller. Purification and character of the swine-influenza virus, 361
(joint author) with D. G. Sharp, A. R. Taylor, I. W. McLean, Jr., J. W. Beard, A. E. Feller and John H. Dingle. Isolation and characterization of influenza virus B (Lee strain), 129
(joint author) with I. W. McLean, Jr., A. R. Taylor, D. G. Sharp, J. W. Beard, A. E. Feller and John H. Dingle. Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, 305
- Beard, J. W. (joint author) with A. R. Taylor, D. G. Sharp, I. W. McLean, Jr. and Dorothy Beard. The relation of viral concentration to the infectivity for chick embryos of influenza virus B (Lee strain), 191
(joint author) with A. R. Taylor, D. G. Sharp, I. W. McLean, Jr., Dorothy Beard, J. H. Dingle and A. E. Feller. Purification and character of the swine-influenza virus, 361
(joint author) with D. G. Sharp, A. R. Taylor, I. W. McLean, Jr., Dorothy Beard, A. E. Feller and John H. Dingle. Isolation and characterization of influenza virus B (Lee strain), 129
(joint author) with I. W. McLean, Jr., Dorothy Beard, A. R. Taylor, D. G. Sharp, A. E. Feller and John H. Dingle. Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, 305
- Bivalent antibody, The restricted system bivalent antigen, as an example of reversible bifunctional polymerization, VI. Specific precipitation, 381
antigen, bivalent antibody, The restricted system, as an example of reversible bifunctional polymerization, VI. Specific precipitation, 381
- Black, J. (joint author) with A. J. Weil and F. Popken. Agglutination of antigens from distemper-infected dogs and ferrets by anticanine-distemper immune sera, 355

- Boldt, Martin H. (joint author) with Elvin A. Kabat. A quantitative study of passive anaphylaxis in the guinea-pig, II, 181
- Bonanto, Mary V. (joint author) with Jules Freund. The effect of paraffin oil, lanolin-like substances and killed tubercle bacilli on immunization with diphtheric toxoid and *Bact. typhosum*, 325
- Bornstein, Siegbert (joint author) with Ulrich Friedemann and Alvin Hollander. Studies on virus immunity. Experiments with the viruses of rabies and equine encephalomyelitis, 247
- Bronfenbrenner, J. (joint author) with A. D. Hershey and G. M. Kalmanson. Coordinate effects of electrolyte and antibody on the infectivity of bacteriophage, 221
- Chambers, Leslie A. (joint author) with Werner Henle, Gertrude Henle and Vincent Groupé. Studies on complement fixation with the viruses of influenza, 163
- Chemotherapy of lymphocytic choriomeningitis in mice and guinea pigs, 49
- Chick-embryo, Protection of the developing, with specific serum against infection with *Shigella paradysenteriae* (Flexner), 291
- embryo, Studies on influenzal infections in the, 39
- embryos, Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of, 305
- embryos, The relation of viral concentration to the infectivity for, of influenza virus B (Lee strain), 191
- Chorio-allantoic fluid of chick embryos, Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the, 305
- Complement, Analogy between the effect of, on sensitized *E. typhosa* and the effect of tissue individuality on sensitized virus, 17
- fixation with the viruses of influenza, Studies on, 163
- Conjugates, The immunological specificity of sulfonamide protein, as demonstrated by anaphylaxis in guinea-pigs and the Shwartzman phenomenon in rabbits, 103
- Cutaneous reaction, A specific, in persons infected with the virus of herpes simplex, 213
- Dennison, W. Landon (joint author) with Frank H. Johnson. The volume change accompanying the *Quellung* reaction of pneumococci, 317
- Dingle, J. H. (joint author) with A. R. Taylor, D. G. Sharp, I. W. McLean, Jr., Dorothy Beard, J. W. Beard and A. E. Feller. Purification and character of the swine-influenza virus, 361
- (joint author) with D. G. Sharp, A. R. Taylor, I. W. McLean, Jr., Dorothy Beard, J. W. Beard and A. E. Feller. Isolation and characterization of influenza virus B (Lee strain), 129
- (joint author) with I. W. McLean, Jr., Dorothy Beard, A. R. Taylor, D. G. Sharp, J. W. Beard and A. E. Feller. Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, 305
- Diphtherial toxin produced on a gelatin-hydrolysate medium, An alum toxoid prepared from, 57
- Diphtheric toxoid and *Bact. typhosum*, The effect of paraffin oil, lanolin-like substances and killed tubercle bacilli on immunization with, 325
- Distemper-infected dogs and ferrets, Agglutination of antigens from, by anticanine-distemper immune sera, 355
- Dockeray, Gerald C. and Hans Sachs. Rh antibodies in the maternal circulation without clinical manifestations of erythroblastosis in the child, 241
- E. typhosa*, Analogy between the effect of complement on sensitized, and the effect of tissue individuality on sensitized virus, 17
- Electrolyte and antibody, Coordinate effects of, on the infectivity of bacteriophage, 221
- Electron microscope, Detection with the, of rod-shaped particles in stools of normal and poliomyelitic individuals, 25
- Elias, William. An alum toxoid prepared from diphtherial toxin produced on a gelatin-hydrolysate medium, 57
- Equine encephalomyelitis, Experiments

- with the viruses of rabies and. Studies on virus immunity, 247
- Erythroblastosis in the child, Rh antibodies in the maternal circulation without clinical manifestations of, 241
- Erythrocytes of infected animals, Recovery of the virus of lymphocytic choriomeningitis from the, 111
- Feller, A. E. (joint author) with A. R. Taylor, D. G. Sharp, I. W. McLean, Jr., Dorothy Beard, J. W. Beard and J. H. Dingle. Purification and character of the swine-influenza virus, 361
- (joint author) with D. G. Sharp, A. R. Taylor, I. W. McLean, Jr., Dorothy Beard, J. W. Beard and John H. Dingle. Isolation and characterization of influenza virus B (Lee strain), 129
- (joint author) with I. W. McLean, Jr., Dorothy Beard, A. R. Taylor, D. G. Sharp, J. W. Beard and John H. Dingle. Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, 305
- Flocculation, Titration of tetanal toxins and toxoids by, 345
- Foley, Edward J. Observations on immunity in streptococcal lymphadenitis of guinea-pig, 185
- Freund, Jules and Mary V. Bonanto. The effect of paraffin oil, lanolin-like substances and killed tubercle bacilli on immunization with diphtheric toxoid and *Bact. typhosum*, 325
- Friedemann, Ulrich, Alvin Hollander and Siegbert Bornstein. Studies on virus immunity. Experiments with the viruses of rabies and equine encephalomyelitis, 247
- Gelatin-hydrolysate medium, An alum toxoid prepared from diphtherial toxin produced on a, 57
- Gerber, Isadore E. and Milton Gross. The immunological specificity of sulfonamide protein conjugates as demonstrated by anaphylaxis in guinea-pigs and the *Shwartzman* phenomenon in rabbits, 103
- Graña, Alfonso. Antibodies against sheep erythrocytes produced by the injection of hydatid liquid in patients with hydatid cyst, 203
- Griffin, A. M. (joint author) with Mary Louise Robbins. Studies on *Listerella monocytogenes*, 63
- Gross, Milton (joint author) with Isadore E. Gerber. The immunological specificity of sulfonamide protein conjugates as demonstrated by anaphylaxis in guinea-pigs and the *Shwartzman* phenomenon in rabbits, 103
- Groupé, Vincent (joint author) with Werner Henle, Gertrude Henle and Leslie A. Chambers. Studies on complement fixation with the viruses of influenza, 163
- Guinea-pig, A quantitative study of passive anaphylaxis in the, II, 181
- Observations on immunity in streptococcal lymphadenitis of the, 185
- Guinea pigs, Chemotherapy of lymphocytic choriomeningitis in mice and, 49
- Hamre, Dorothy M. (joint author) with Geoffrey Rake, Clara M. McKee and Carol L. Houck. Studies on penicillin. II. Observations on therapeutic activity and toxicity, 271
- Henle, Gertrude (joint author) with Werner Henle, Vincent Groupé and Leslie A. Chambers. Studies on complement fixation with the viruses of influenza, 163
- Henle, Werner, Gertrude Henle, Vincent Groupé and Leslie A. Chambers. Studies on complement fixation with the viruses of influenza, 163
- Hennessy, Joan N. (joint author) with P. J. Moloney. Titration of tetanal toxins and toxoids by flocculation, 345
- Herpes simplex, A specific cutaneous reaction in persons infected with the virus of, 213
- Hershey, A. D. Specific precipitation. VI. The restricted system bivalent antigen, bivalent antibody, as an example of reversible bifunctional polymerization, 381
- G. M. Kalmanson and J. Bronfenbrenner. Coordinate effects of electrolyte and antibody on the infectivity of bacteriophage, 221
- Hirsch, Julius. The velocities of inhibition of bacterial growth by sulfonamide and of the antagonistic effect by p-aminobenzoic acid, 199

- Hollander, Alvin (joint author) with Ulrich Friedemann and Siegbert Bornstein. Studies on virus immunity. Experiments with the viruses of rabies and equine encephalomyelitis, 247
- Houck, Carol L. (joint author) with Geoffrey Rake, Clara M. McKee and Dorothy M. Hamre. Studies on penicillin. II. Observations on therapeutic activity and toxicity, 271
- Hydatid liquid, Antibodies against sheep erythrocytes produced by the injection of, in patients with hydatid cyst, 203
- Immune sera, Agglutination of antigens from distemper-infected dogs and ferrets by anticanine-distemper, 355
- Influenza, Studies on complement fixation with the viruses of, 163
virus, Purification and character of the swine-, 361
virus B (Lee strain), Isolation and characterization of, 129
virus B (Lee strain), The relation of viral concentration to the infectivity for chick embryos of, 191
- Influenzal infections in the chick-embryo, Studies on, 39
virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, Influence of temperature of incubation on the increase of, 305
- Inhibitors, Quantitative studies of sulfonamide, 29
- Johnson, C. A., G. E. Wakerlin and E. L. Smith. Antirenin, 79
- Johnson, Frank H. and W. Landon Denison. The volume change accompanying the *Quellung* reaction of pneumococci, 317
- Julianelle, L. A. Experimental staphylococcal infection and passive protection, 155
- Kabat, Elvin A. and Martin H. Boldt. A quantitative study of passive anaphylaxis in the guinea-pig, II, 181
- Kalmanson, G. M. (joint author) with A. D. Hershey and J. Bronfenbrenner. Coordinate effects of electrolyte and antibody on the infectivity of bacteriophage, 221
- Kirby, William M. M. (joint author) with Lowell A. Rantz. With the technical assistance of Georgiana Dole. Quantitative studies of sulfonamide inhibitors, 29
(joint author) with Lowell A. Rantz. With the technical assistance of Elizabeth Randall. The action of penicillin on the staphylococcus *in vitro*, 335
- Kopeloff, Lenore M. and Nicholas Kopeloff. The production of antibrain antibodies in the monkey, 297
- Kopeloff, Nicholas (joint author) with Lenore M. Kopeloff. The production of antibrain antibodies in the monkey, 297
- Landsteiner, Karl, 1868-1943, 1
- Lanolin-like substances and killed tubercle bacilli, The effect of paraffin oil, on immunization with diphtheric toxoid and *Bact. typhosum*, 325
- Listerella monocytogenes*, Studies on, 63
- Lymphadenitis of the guinea-pig, Observations on immunity in streptococcal, 185
- Lymphocytic choriomeningitis in mice and guinea pigs, Chemotherapy of, 49
choriomeningitis, Recovery of the virus of, from the erythrocytes of infected animals, 111
- McFarlane, J. A. (joint author) with A. J. Weil. Protection of the developing chick embryo with specific serum against infection with *Shigella paradysenteriae* (Flexner), 291
- McKee, Clara M., Geoffrey Rake and A. E. O. Menzel. Studies on penicillin. I. Production and antibiotic activity, 259
(joint author) with Geoffrey Rake, Dorothy M. Hamre and Carol L. Houck. Studies on penicillin. II. Observations on therapeutic activity and toxicity, 271
- McLean, I. W., Jr., Dorothy Beard, A. R. Taylor, D. G. Sharp, J. W. Beard, A. E. Feller and John H. Dingle. Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, 305
(joint author) with A. R. Taylor, D. G. Sharp, Dorothy Beard and J. W. Beard. The relation of viral concentration to the infectivity for chick embryos of influenza virus B (Lee strain), 191

- (joint author) with A. R. Taylor, D. G. Sharp, Dorothy Beard, J. W. Beard, J. H. Dingle and A. E. Feller. Purification and character of the swine-influenza virus, 361
- (joint author) with D. G. Sharp, A. R. Taylor, Dorothy Beard, J. W. Beard, A. E. Feller and John H. Dingle. Isolation and characterization of influenza virus B (Lee strain), 129
- Melnick, Joseph L. Detection with the electron microscope of rod-shaped particles in stools of normal and poliomyelitic individuals, 25
- Menzel, A. E. O. (joint author) with Clara M. McKee and Geoffrey Rake. Studies on penicillin. I. Production and antibiotic activity, 259
- Mice and guinea pigs, Chemotherapy of lymphocytic choriomeningitis in, 49
- Moloney, P. J. and Joan N. Hennessy. Titration of tetanal toxins and toxoids by flocculation, 345
- Monkey, The production of antibrain antibodies in the, 297
- Morris, Marion C. Analogy between the effect of complement on sensitized *E. typhosa* and the effect of tissue individuality on sensitized virus, 17
- Nagler, F. P. O. A specific cutaneous reaction in persons infected with the virus of herpes simplex, 213
- Neubauer, Dorothea (joint author) with Ludwik Anigstein, Madero N. Bader and Gerald Young. Protection against spotted fever by specific immune serum inoculated intradermally at the site of infection, 69
- P-aminobenzoic acid, The velocities of inhibition of bacterial growth by sulfonamide and of the antagonistic effect by, 199
- Paraffin oil, lanolin-like substances and killed tubercle bacilli, The effect of, on immunization with diphtheric toxoid and *Bact. typhosum*, 325
- Penicillin, Studies on. I. Production and antibiotic activity, 259
- Studies on. II. Observations on therapeutic activity and toxicity, 271
- The action of, on the staphylococcus *in vitro*, 335
- Pneumococci, The volume change accompanying the *Quellung* reaction of, 317
- Poliomyelitic individuals, Detection with the electron microscope of rod-shaped particles in stools of normal and, 25
- Polymerization, The restricted system bivalent antigen, bivalent antibody, as an example of reversible bifunctional, VI. Specific precipitation, 381
- Popken, F. (joint author) with A. J. Weil and J. Black. Agglutination of antigens from distemper-infected dogs and ferrets by anticanine-distemper immune sera, 355
- Precipitation, Specific. VI. The restricted system bivalent antigen, bivalent antibody, as an example of reversible bifunctional polymerization, 381
- Quellung* reaction of pneumococci, The volume change accompanying the, 317
- Rabies and equine encephalomyelitis, Experiments with the viruses of. Studies on virus immunity, 247
- Rake, Geoffrey, Clara M. McKee, Dorothy Hamre and Carol L. Houck. Studies on penicillin. II. Observations on therapeutic activity and toxicity, 271 (joint author) with Clara M. McKee and A. E. O. Menzel. Studies on penicillin. I. Production and antibiotic activity, 259
- Rantz, Lowell A. and William M. M. Kirby. With the technical assistance of Georgiana Dole. Quantitative studies of sulfonamide inhibitors, 29
- and William M. M. Kirby. With the technical assistance of Elizabeth Randall. The action of penicillin on the staphylococcus *in vitro*, 335
- Reversible bifunctional polymerization, The restricted system bivalent antigen, bivalent antibody, as an example of, VI. Specific precipitation, 381
- Rh antibodies in the maternal circulation without clinical manifestations of erythroblastosis in the child, 241
- Robbins, Mary Louise and A. M. Griffin. Studies on *Listerella monocytogenes*, 63
- Rod-shaped particles in stools of normal and poliomyelitic individuals, Detection with the electron microscope of, 25

- Sachs, Hans (joint author) with Gerald C. Dockeray. Rh antibodies in the maternal circulation without clinical manifestations of erythroblastosis in the child, 241
- Sharp, D. G., A. R. Taylor, I. W. McLean, Jr., Dorothy Beard, J. W. Beard, A. E. Feller and John H. Dingle. Isolation and characterization of influenza virus B (Lee strain), 129
(joint author) with A. R. Taylor, I. W. McLean, Jr., Dorothy Beard and J. W. Beard. The relation of viral concentration to the infectivity for chick embryos of influenza virus B (Lee strain), 191
(joint author) with A. R. Taylor, I. W. McLean Jr., Dorothy Beard, J. W. Beard, J. H. Dingle and A. E. Feller. Purification and character of the swine-influenza virus, 361
(joint author) with I. W. McLean, Jr., Dorothy Beard, A. R. Taylor, J. W. Beard, A. E. Feller and John H. Dingle. Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, 305
- Sheep erythrocytes, Antibodies against, produced by the injection of hydatid liquid in patients with hydatid cyst, 203
- Shigella paradysenteriae*, Antigenic relationships of, 87
paradysenteriae (Flexner), Protection of the developing chick embryo with specific serum against infection with, 291
- Shwartzman, Gregory. Recovery of the virus of lymphocytic choriomeningitis from the erythrocytes of infected animals, 111
- Shwartzman phenomenon in rabbits, The immunological specificity of sulfonamide protein conjugates as demonstrated by anaphylaxis in guinea-pigs and the, 103
- Sigurdsson, Björn. Studies on influenzal infections in the chick-embryo, 39
- Smith, E. L. (joint author) with C. A. Johnson and G. E. Wakerlin. Antirenin, 79
- Spotted fever, Protection against, by specific immune serum inoculated intradermally at the site of infection, 69
- Staphylococcal infection and passive protection, Experimental, 155
- Staphylococcus, The action of penicillin on the, *in vitro*, 335
- Streptococcal lymphadenitis of the guinea-pig, Observations on immunity in, 185
- Sulfonamide, The velocities of inhibition of bacterial growth by, and of the antagonistic effect by p-aminobenzoic acid, 199
inhibitors, Quantitative studies of, 29
protein conjugates, The immunological specificity of, as demonstrated by anaphylaxis in guinea-pigs and the Shwartzman phenomenon in rabbits, 103
- Swine-influenza virus, Purification and character of the, 361
- Takacs, William S. (joint author) with John A. Toomey. Chemotherapy of lymphocytic choriomeningitis in mice and guineapigs, 49
- Taylor, A. R., D. G. Sharp, I. W. McLean, Jr., Dorothy Beard and J. W. Beard. The relation of viral concentration to the infectivity for chick embryos of influenza virus B (Lee strain), 191
D. G. Sharp, I. W. McLean, Jr., Dorothy Beard, J. W. Beard, J. H. Dingle and A. E. Feller. Purification and character of the swine-influenza virus, 361
(joint author) with D. G. Sharp, I. W. McLean, Jr., Dorothy Beard, J. W. Beard, A. E. Feller and John H. Dingle. Isolation and characterization of influenza virus B (Lee strain), 129
(joint author) with I. W. McLean, Jr., Dorothy Beard, D. G. Sharp, J. W. Beard, A. E. Feller and John H. Dingle. Influence of temperature of incubation on the increase of influenzal virus B (Lee strain) in the chorio-allantoic fluid of chick embryos, 305
- Tetanal toxins and toxoids, Titration of, by flocculation, 345
- Toomey, John A. and William S. Takacs. Chemotherapy of lymphocytic choriomeningitis in mice and guineapigs, 49
- Toxins and toxoids, Titration of tetanal, by flocculation, 345
- Toxoids, Titration of tetanal toxins and, by flocculation, 345
- Tubercle bacilli, The effect of paraffin oil, lanolin-like substances and killed, on

- immunization with diphtheric toxoid and *Bact. typhosum*, 325
- Velocities of inhibition of bacterial growth by sulfonamide and of the antagonistic effect by p-aminobenzoic acid, The, 199
- Virus, Analogy between the effect of complement on sensitized *E. Typhosa* and the effect of tissue individuality on sensitized, 17
- Purification and character of the swine-influenza, 361
- B (Lee strain), Influence of temperature of incubation on the increase of influenzal, in the chorio-allantoic fluid of chick embryos, 305
- B (Lee strain), Isolation and characterization of influenza, 129
- B (Lee strain), The relation of viral concentration to the infectivity for chick embryos of influenza, 191
- immunity, Studies on. Experiments with the viruses of rabies and equine encephalomyelitis, 247
- of herpes simplex, A specific cutaneous reaction in persons infected with the, 213
- of lymphocytic choriomeningitis, Recovery of the, from the erythrocytes of infected animals, 111
- Viruses of influenza, Studies on complement fixation with the, 163
- Wakerlin, G. E. (joint author) with C. A. Johnson and E. L. Smith. Antirenin, 79
- Weil, A. J., and J. A. McFarlane. Protection of the developing chick embryo with specific serum against infection with *Shigella paradysenteriae* (Flexner), 291
- F. Popken and J. Black. Agglutination of antigens from distemper-infected dogs and ferrets by anticanine-distemper immune sera, 355
- Wheeler, K. M. Antigenic relationships of *Shigella paradysenteriae*, 87
- Young, Gerald (joint author) with Ludwik Anigstein, Madero N. Bader and Dorothea Neubauer. Protection against spotted fever by specific immune serum inoculated intradermally at the site of infection, 69