INDEX

Abernathy, Robert, 387
Adair, M. E., 185
Adenoviruses, complement-fixing and neutralizing antibodies against, 118
Adler, Frank L., 201
Agar, antigen antibody reactions in, 5
Allantoic cell number in chick embryo, 191
Amirian, K., 147, 151
Ammonium chloride, action of, on the response of sensitized gut to ovalbumin, serotonin and histamine, 240
Antibody-antigen reaction, 246
Antigen-antibody reactions in agar, 5
Antigenic differences among human and swine influenza viruses, 365
Antigenic differences among human and swine influenza viruses, 365
Antitoxin, globulins, 246
Antiviral activity of dicarbonyls and related compounds in embryonated eggs, 104
Aspects of the immune hemolytic reaction, 147, 151

Bachrach, U., 229
Bactericidal activity of blood for Pasteurella tularensis, 156
Badger, George F., 118
Bassett, C. Andrew, 79
Barney, Jack A., 211
Becker, Elmer L., 5
Behavior of monkeys after inoculation with virus from measles patients, 63
Björklund, Bertil, 419, 431
Cairns, H. J. F., 191
Campbell, Dan H., 79
Candida albicans, effects of radiation and cortisone on susceptibility of mice to, 122
Caprochlorone, activity of on influenza viral infection in de-embryonated egg, 214
—, effect of on influenza virus infections in mice, 222
Carter, Joseph E., 214, 222
Chambers, Velma C., 476
Chemotherapy of viral infections, studies on, 214, 222
Chick embryo, number of allantoic cells in, 191
Colostrum, influence of on antibody response in baby pigs, 112
Comparative studies with mammalian and plant tissue phospholipids, 30
—, susceptibility of kidney cells from different monkey species to enteric viruses, 137
Complement fixation in studies of purification of poliomyelitis virus, 435
—, internally labeled, 409
—, fixing and neutralizing antibodies against certain adenoviruses, 118
Cooper, Merlin L., 160
Cordoba, Felix, 427
Cortisone, effects of on susceptibility of mice to Candida albicans, 122
Cowan, Keith M., 435
Cross reactions of polyglucoses in antipneumococcal sera, 419, 427, 431
Crystalbumin sera, anti-horse, 185
Cytotoxic activity of rabbit immune globulin, 79
Davis, E. V., 104
DeMeio, Joseph L., 465
DeSanctis, Armand N., 214, 222
de St. Groth, S. F., 191
Dicarbonyls in embryonated eggs, antiviral activity of, 104
Dingle, John H., 118
Dixon, Frank J., 56
Djianian, Aida Y., 269
Earle, Wilton R., 79
Embryonated eggs, antiviral activity of dicarbonyls in, 104
Encephalomyelitis, study of using mammalian and nonmammalian nervous tissue, 472
Enders, John F., 63
Enteric viruses, characteristics of plaques in tissue culture produced by, 128
— —, comparative susceptibility of kidney cells from different monkey species to, 137
Erickson, John O., 94
Evans, C. A., 476
Evans, Virginia J., 79
Fastier, Lyle B., 413
Feigen, George A., 240
Felton, Frances G., 211
Fields, Max, 94
Foster, W. D., 291
Francis, Thomas, Jr., 356
Franklin, E. C., 11
Friedman, Jack, 122

Gamma-globulin, differences between components of normal human, 11
Garabedian, Garabed A., 269
Garner, Anna C., 395
Gengozian, Nazareth, 401
Glenn, William G., 395
Globulin, immune, antibody formation after injection of, 201
— —, rabbit, 79
Glycogens, precipitation by, 431
Glycoproteins, serum, determination of following antigen injection of immunized animals, 1
Green, Irving J., 233
Gurevitch, J., 229

Hampil, Bettylee, 214, 222
Haurowitz, Felix, 409
Heidelberger, M., 147, 151
Heidelberger, Michael, 419, 427, 431
Hemagglutinating virus of Japan and mumps virus, antigenic relationship between, 465
Hemagglutination studies on salmonellosis of chickens, 380
— test for hydatid disease, 269
— with herpes simplex virus, 211
Hemagglutinin of infectious canine hepatitis virus, studies on, 413
Hemagglutinins in extracts of Israeli plants, 229
Hemolytic reaction, aspects of, 147, 151
Henry, Claudia, 273
Hensley, Thomas J., 94

Hepatitis, infectious canine, hemagglutinin of, 413
Herpes simplex, hemagglutination with, 211
Histamine, action of ammonium chloride on the response of sensitized gut to, 240
Hoerlein, Alvin B., 112
Hog cholera, serologic test for detection of, 304
Holloway, Ann, 63
Homologous and heterologous resistance in mice given bacterial endotoxins, 387
Hotta, Susumu, 476
Hsiung, G. D., 128, 137
Hydatid disease, indirect hemagglutination test for, 269

Immune globulin, antibody formation after injection of, 201
— —, rabbit, the cytotoxic activity of, 79
— hemolytic reaction, aspects of, 147, 151
Immunization, passive, of mice 12 days after intracerebral inoculation of type 2 poliovirus, 476
— studies on listeriosis in mice, 262
Immunologic differences between the 19 S and 7 S components of normal human γ-globulin, 11
— significance of antigenic differences among strains of influenza A isolated during the same epidemic, 373
— studies in persons who have had measles, 341
Influence of colostrum on antibody response in baby pigs, 112
Influenza virus infections, effect of caprochlorone on, 214, 222
— —, serologic comparisons of in different hosts, 356
— viruses, antigenic differences among human and swine, 365
— — in human and chick embryo tissue cultures, 456
— — in tissue culture, influence of normal animal sera on, 273
— — in various tissue culture systems, 233
Integration of human serum and serum fraction diffusion patterns, 395
Intracellular localization of tobacco mosaic virus in mouse liver, 94
Interaction between internally labeled complement and specific precipitates, 409
In vitro bactericidal activity of blood for Pasteurella tularensis, 156

Israeli plants, hemagglutinins in extracts of, 229
Jahrmärker, Hans, 427
Jensen, Keith, 356, 365, 373
Jordan, William S., Jr., 118

Karush, Fred, 296
Katz, Sidney, 118
Kay, W. W., 45
Keller, Helen, 160
Kidney cells from different monkey species, susceptibility to enteric viruses, 137
Kinetics of antibody inactivation of tobacco mosaic virus, 256
Klein, S. Wayne, 435
Knipp, Eleanor A., 19, 30
Korngold, Leonhard, 75, 172
Kunkel, H. G., 11

Lamer, Joseph, 431
Libby, Raymond L., 94
Lieberman, Melvin, 233
Lipid-soluble tissue antigens, quantitative studies of, 19, 30
Listeriosis in mice, immunization studies on, 262
Liu, Oscar C., 214, 222
Localizing properties of anti-placenta serum, 75
Lukens, David, 435
Lymph-node, rabbit, antibody responses associated with transfer of, 56

Malsberger, Richard G., 214, 222
Marks, Robert, 296
Matossian, R. M., 299
Mayer, Manfred M., 435
McCarthy, Kevin, 63
McKenna, John J., 311
McLean, I. W., Jr., 45
McLimans, William F., 104
Measles virus, 330, 341
— —, effect of on behavior of monkeys, 63
Measurements of antigenic differences among human and swine influenza viruses, 365
Measurement of response of immunized mice to infection with Mycobacterium tuberculosis, 318
Melnick, Joseph L., 128, 137
Microscopic characteristics of colonies of Shigella flexneri, 160
Minuse, Elva, 356
Mogabgab, William J., 233, 456
Molecular weight of antigen; effect of on curvature of the precipitin line in the Ouchterlony technic, 172

Monkey behavior after inoculation virus from measles patients, 63
— — kidney cell cultures, influenza viruses in, 273
— — monolayer cultures, characteristics of plaques produced by enteric viruses on, 128
Mouse liver, localization of tobacco mosaic virus in, 94
— — virulence, relation of microscopic characteristics of colonies of Shigella flexneri to, 160
Mumps virus and hemagglutinating virus of Japan, antigenic relationship between, 465
Mycobacterium tuberculosis, measurement of response of immunized mice to, 318

Naylor, G. R. E., 185
Neff, J. C., 5
Nelson, Eric L., 1
Neutralizing antibodies against certain adenoviruses, 118
Nielsen, Christen B., 240

Oppenheimer, F., 45
Osebold, John W., 262
Osler, Abraham G., 19, 30
Ouchterlony technic, effect of the antigen's molecular weight on the curve of the precipitin line in, 172
Ovalbumin, action of ammonium chloride on response of sensitized gut to, 240
Owen, Ray D., 259

Pasteurella tularensis, in vitro bactericidal of blood for, 156
Paterson, Philip Y., 472
Peebles, Thomas C., 63
Penn, Nathan, 406
Peterson, Ward, Jr., 373
Phospholipids, mammalian and plant tissue, 30
Plaques, morphologic characteristics of, produced on monkey kidney monolayer cultures by enteric viruses, 128
Plescia, O. J., 147, 151
Poliomyelitis virus, effect of ultraviolet light on, 45
— —, purification of studied by complement fixation, 435
Poliovirus, thermal inactivation studies with different strains of, 282
— — type 2, in passive immunization of mice, 476
Polyglucoses, cross reactions of in antipneumococcal sera, 419, 427, 431
Precipitate formation in chickens, effect of aging of antisera on, 401
Precipitation by glycogens and limit dextrins, 431
— in rabbit antisera to type IX and type XII pneumococcus, 427
Precipitin production in chickens, 401
Pressman, David, 75
Protein antigen, quantitative precipitin reaction of type 19 M, 178
Purification of poliomyelitis virus, 435

Qualitative difference between the antibody of primary and secondary response, 291
Quantitative precipitin reaction of type 19 M protein antigen, 178
— studies of lipid-soluble tissue antigens, 19, 30
Quinn, Frances A., 1

Rapp, Herbert J., 435
Rappaport, Irving, 246, 256, 259
Redlich-Moshin, Jean, 1
Resistance in mice given bacterial endotoxins, 387
Roberts, James C., 56
Roentgen radiation, effects on susceptibility of mice to Candida albicans, 122
Rogers, Kenneth, 341
Roizman, Bernard, 435
Roth, F. J., Jr., 122
Ruckle, Gisela, 330, 341

Salmonellosis of chickens, hemagglutination studies on, 380
Sawyer, Mary T., 262
Schmidt, Willard C., 178
Scott, L. V., 211
Segre, D., 304
Serologic comparisons of influenza virus in different hosts, 356
— test for detection of viral antigens, 304
Serotonin, action of ammonium chloride on the response of sensitized gut to, 240
Serum, anti-placenta, localizing properties of, 75
— fraction diffusion patterns, integration of human serum and, 395
— glycoproteins, serial determination of following antigen injection of immunized animals, 1
Shigella flexneri, microscopic characteristics of colonies of, 160
Sieburth, John, 380
Siegel, Albert, 259
Siem, R. A., 104
Simpson, Georgie, I., 456
Slater, E. A., 104
Stanziale, William G., 156
Stevens, Kingsley M., 311
Stimpert, F. D., 45
Streptococci, Group A, quantitative precipitin reaction of type 19 M protein of, 178
Sutherland, G. B., 240
Swine and human influenza viruses, antigenic differences among, 365
Syverton, J. T., 122

Taylor, A. R., 45
Thermal inactivation studies with different strains of poliovirus, 282
Tissue culture, behavior of influenza viruses in, 233
— — propagation of virus from measles patients, 63, 330
— — cultures, influenza viruses in, 456
— of human skin and whole human placenta, cytototoxic activity of rabbit immune globulin prepared from, 79
Tobacco mosaic virus, antibody inactivation of, 256, 259
— — in mouse liver, 94
Trypsin-dispersed monkey kidney cell cultures, influenza of normal animal sera on influenza viruses in, 273

Ultraviolet light, effect of on poliomyelitis virus, 45
Underwood, G. E., 104
van Leeuwen, Gerda, 172
Vesicular stomatitis, serologic test for the detection of, 304
Viral antigens, a new serologic test for the detection of, 304
— infections, chemotherapy of, 214, 222
Virus, canine hepatitis, hemagglutinin of, 413
— from measles patients propagated in tissue culture, 63
—, hemagglutinating of Japan, 465
—, herpes simplex, hemagglutination with, 211
—, influenza A and B in human and chick embryo tissue culture, 456
—, measles, 330, 341
mumps, 465
—, poliomyelitis, effect of ultraviolet light on, 45
—, —, purification of studied by complement fixation, 435
—, tobacco mosaic, 256, 259
—, —, in mouse liver, 94
Viruses, enteric, comparative susceptibility of kidney cells from different monkey species to, 137
—, —, morphologic characteristics of plaques produced on monkey kidney monolayer cultures by, 128
—, influenza, influence of normal animal sera on in tissue culture, 273
—, —, in various tissue culture systems, 233
Walker, Duard L., 465
Walters, Edward, 160
Wassermann antibody, estimation of in absolute weight units, 19
Weigle, William O., 56
Weimer, Henry E., 1
Wiener, Frank P., 214
Wildman, S. G., 259
Wolfe, Harold R., 401
Wood, E. M., 476
Yenson, Mutahhar, 409
Youmans, Anne, 318
Youmans, Guy, 318
Youngner, J. S., 273, 282
Zaitschek, D., 229