INDEX

Acetanilid, Major metabolites of, appearing in the blood, 68
production of methemoglobinemia after, Rôle of p-aminophenol in, 150
Administration rate, Influence of, upon lethal dose of cardiac glycosides, 304
Alexander, Fred; Gold, Harry; Katz, Louis N.; Levy, Robert L.; Scott, Roy, and White, Paul D. Relative value of quinines in control of cardiac arrhythmias, 191
Aklylamino alcohol esters, 131, Local anesthetic properties of, 181
Allen, George S., Richter, Curt P., and Dieke, Sally H. Acute toxicity of thioureas and related compounds to wild and domestic Norway rats, 260
Alpha-naphthylthiourea, Influence of diet on susceptibility of rats to, 321
Alstonine, Action of, 57
Ambrose, Anthony M., and DeEds, Floyd. Effect of rutin on permeability of cutaneous capillaries, 369
Amino acids, Action of, on heart and intestine, 283
p-Aminobenzoic acid, Protective action of, against certain bismuth preparations, 161
1-Amino-l-phenylalanylpropene HCl, Effect of repeated administrations of, 202
Effects of, on arterial blood pressure and respiration, 202
p-Aminophenol, Rôle of, in production of methemoglobinemia after acetanilid, 150
2-Amino-6-methylheptane, Pharmacology of, 351
Anderson, Robert C., and Chen, K. K. Digitalis-like action of some new glycosides and esters of strophanthinidin, 271
Anesthetic action of ethyl vinyl ether, 88 properties of 131 alkylamino alcohol esters, 151
Anesthetics and hypnotics, Synergism of, with curare and curare-like alkaloids, 1
Antihistamine action of (N-(2-pyridyl)-N-(2-thylenyl)-N',N'-dimethylethylenediamine hydrochloride, 83
Antihistaminic activity, comparative, of six compounds, 224
Antispasmodics with particular reference to bronchodilator drugs, 104
Antimony, Anomalous distribution of, in white rats following administration of tartar emetic, 174
BAL and 1-thiosorbitol as antidotes in phenylthiourea poisoning, 348
Bannon, James H., Smith, Homer W., Houck, C. Riley, and Crawford, Betty. Mechanism of death in dogs after intoxication by some chloroethyl amines, 277
Barbiturates, Detoxification of, 330
Beef brain, extracts of, Response of penicillin-resistant strains of Staphylococcus aureus to, 313
Berkman, Sam, Housewright, Riley D., and Henry, Richard J. Inactivation of streptomycin upon standing in certain culture media and human serum, 42
Bismuth preparations, certain, Protective action against, of p-aminobenzoic acid, 161
Blair, H. A., and Wedd, A. M. Comparison of certain digitalis glycosides, 211
Blood pressure and respiration, Effects on, of l-amino-l-phenylalanylpropene HCl, 202
Bodansky, Oscar, and Gutmann, Helmut. Treatment of methemoglobinemia, 46
Brady, Frederick J., Cowie, D. B., Lawton, Alfred H., and Nesson, A. T. Anomalous distribution of antimony in white rats following administration of tartar emetic, 174
Brodie, Oliver J., and Walton, Robert P. Effect of drugs on contractile force of section of right ventricle under conditions of intact circulation, 26
Bronchodilator action of compounds structurally related to epinephrine, 254
drugs—antispasmodics, 104
Buhie, Emmett L., Marshall, E. K., Jr., and Blanchard, K. C. Colorimetric methods for determination of streptomycin, 387

375
INDEX

Byerrum, Richard U., and DuBois, Kenneth P. Influence of diet on susceptibility of rats to alpha-naphthylthiouracil, 321

Cardiac arrhythmias, control of, Relative value in, of synthetic and commercial quinidine, quinine and dihydroquinidine, 191

glycosides, Influence of rate of administration upon lethal dose of, 304

Capillaries, cutaneous, permeability of, Effect of rutin on, 359

Carr, C. Jeloff, Musser, Ruth D., Saurwaid, Mary Jane, and Krantz, John C., Jr. Anesthetic action of ethyl vinyl ether, 88

Castillo, Julio C., and deBeer, Edwin J. Antispasmodics with particular reference to bronchodilator drugs, 104

Central nervous systems of dogs and rabbits, effects on, of fluoroacetate, 76


Chenoweth, Maynard B., and St. John, Ellen F. Effects of fluoroacetate on central nervous systems of dogs and rabbits, 76

tris(β-Chloroethyl)amine. Mechanism of death in dogs after systemic intoxication by intravenous injection of, 277

Colorimetric methods for determination of streptomycin, 367

Cowie, D. B., Lawton, Alfred H., Ness, A. T., and Brady, Frederick J. Anomalous distribution of antimony in white rats following administration of tartar emetic, 174

Crawford, Betty, Bannon, James H., Smith, Homer W., and Houck, C. Riley. Mechanism of death in dogs after intoxication by some chloroethyl amines, 277

Crittenden, Phoebe J., and Winbury, Martin M. Action of basic amino acids on heart and intestine, 293

Curare and curare-like alkaloids, Synergism with, of anesthetics and hypnotics, 1

deBeer, Edwin J., and Castillo, Julio C. Antispasmodics with particular reference to bronchodilator drugs, 104

DeEds, Floyd, and Ambrose, Anthony M. Effect of rutin on permeability of cutaneous capillaries, 359

Wilson, Robert H., and Mortarotti, T. G. Pharmacological properties of rutin, 120


Dibenamine, Action of, in hypertensive dogs, 215

Dieke, Sally H., Allen, George S., and Richter, Curt P. Acute toxicity of thioureas and related compounds to wild and domestic Norway rats, 260

Diet, Influence of, on susceptibility of rats to alpha-naphthylthiouracil, 321

Digitalis glycosides, Comparison of certain, 211

Digitalis-like action of some new glycosides and esters of strophanthidin, 271

Dihydroergotamine methanesulfonate, Pharmacological evaluation of, 166

Dihydroquinidine, synthetic and commercial quinidine and quinine, Relative value of, in control of cardiac arrhythmias, 191


Dorfman, Albert, and Goldbaum, Leo R. Detoxification of barbiturates, 330


DuBois, Kenneth P., and Byerrum, Richard V. Influence of diet on susceptibility of rats to alpha-naphthylthiouracil, 321

Electrical excitability of respiratory center when depressed by phenobarbital, Effect of metrazol on, 95

Epinephrine, compounds structurally related to, Bronchodilator action of, 254
INDEX

N-alkyl homologues of, Pharmacology of, 110
Ethyl vinyl ether, Anesthetic action of, 88
Farah, Alfred E., and Mareah, George J. Influence of rate of administration upon lethal dose of cardiac glycosides, 304
Fellows, Edwin J. Pharmacology of 2-amino-6-methylheptane, 351
Fluoracetate, Effects of, on central nervous systems of dogs and rabbits, 76
Glycols, glycol ethers, glycol esters, and phthalates, Intraperitoneal toxicity of, in mice, 338
Goldbaum, Leo R., and Dorfman, Albert. Detoxification of barbiturates, 330
Granger, H. R., Dertinger, B. L., Lands, A. M., Nash, V. L., and McCarthy, H. M. Pharmacology of N-alkyl homologues of epinephrine, 110
Lands, A. M., and Siegmund, O. H. Bronchodilator action of compounds structurally related to epinephrine, 254
Gruber, Charles M., Lupton, Albert W., and Scotti, Thomas M. Effect of repeated administrations of 1-amino-1-phenylalkylpropane HCl. Effects of drug upon arterial blood pressure and respiration, 202
Gutmann, Helmut, and Bodansky, Oscar. Treatment of methemoglobinemia, 46
Harvey, Thomas S., Karel, Leonard, and Landing, Benjamin H. Intraperitoneal toxicity of some glycols and phthalates in mice, 338
Tatum, Howard J., and Himmelfarb, Sylvia. 1-Thiosorbital and BAL as antidotes in phenylthiourea poisoning, 348
Heart, Action on, of basic amino acids, 293 isolated frog. Action on, of sulphydryl reagents, 128
Henry, Richard J., Berkman, Sam, and Housewright, Riley D. Inactivation of streptomycin upon standing in certain culture media and human serum, 42
Himmelfarb, Sylvia, Harvey, Thomas S., and Tatum, Howard J. 1-Thiosorbital and BAL as antidotes in phenylthiourea poisoning, 348
Houck, C. Riley, Crawford, Betty, Bannon, James H., and Smith, Homer W. Mechanism of death in dogs after intoxication by some chloroethyl amines, 277
Housewright, Riley D., Henry, Richard J., and Berkman, Sam. Inactivation of streptomycin upon standing in certain culture media and human serum, 42
Hughes, Hettie B., Smith, Carl C., and Schmidt, L. H. Pharmacology of paludrine, 233
Hypnotics and anesthetics. Synergism of, with curare and curare-like alkaloids, 1
Intestines, Action on, of basic amino acids, 293
Isometric systolic tension, Measurement of, by means of calibrated springs attached to myocardiograph levers, 26
Karel, Leonard, Landing, Benjamin H., and Harvey, Thomas S. Intraperitoneal toxicity of some glycols and phthalates in mice, 338
Krantz, John C., Jr., Carr, C. Jelleff, Musser, Ruth D., Sauerwald, Mary Jane. Anesthetic action of ethyl vinyl ether, 88
Kuna, Samuel, and Seeler, Albert O. Local anesthetic properties of 131 alkylamino alcohol esters, 181
Landing, Benjamin H., Harvey, Thomas S., and Karel, Leonard. Intraperitoneal toxicity of some glycols and phthalates in mice, 338
INDEX

Lands, A. M., Nash, V. L., McCarthy, H. M., Granger, H. R., and Dertinger, B. L. Pharmacology of N-alkyl homologues of epinephrine, 110
Siegmund, O. H., and Granger, H. R. Bronchodilator action of compounds structurally related to epinephrine, 254
Lawton, Alfred H., Ness, A. T., Brady, Frederick J., and Cowie, D. B. Anomalous distribution of antimony in white rats following administration of tartar emetic, 174
Lee, Henry M., Dinwiddie, William G., and Chen, K. K. Antihistamine action of N - (2 - pyridyl) - N - (2 - thienyl) - N',N'-dimethylethylenediamine hydrochloride, 83
Lester, David, and Greenberg, Leon A. Major metabolites of acetanilid appearing in the blood, 68
and Greenberg, Leon A. Role of p-aminophenol in production of methemoglobinemia after acetanilid, 150
Lethal dose of cardiac glycosides, Influence upon, of rate of administration, 304
Liver injury, experimental, produced by carbon tetrachloride, Methionine therapy in, 138
Lupton, Albert W., Scotti, Thomas M., and Gruber, Charles M. Effect of repeated administrations of l-amino-l-phthalidylpropane HCl. Effects of drug upon arterial blood pressure and respiration, 202
Lynch, Sr. E. M., and Nutini, L. G. Response of penicillin-resistant strains of Staphylococcus aureus to extracts of beef brain, 313
Mareeh, George J., and Farah, Alfred E. Influence of rate of administration upon lethal dose of cardiac glycoside, 304
Marshall, E. K., Jr., Blanchard, K. C., and Buhle, Emmett L. Colorimetric methods for determination of streptomycin, 367
McCarthy, H. M., Granger, H. R., Dertinger, B. L., Lands, A. M., and Nash, V. L. Pharmacology of N-alkyl homologues of epinephrine, 110
Mendes, Rafael, and Peralta, Branlio. Action of sulphydryl reagents on isolated frog heart, 128
Metabolites, Major of acetanilid appearing in the blood, 68
Methemoglobinemia after acetanilid, production of, Rôle of p-aminophenol in, 150
Treatment of, 46
Methionine therapy in experimental liver injury produced by carbon tetrachloride, 138
Methyl - bis(β - chloroethyl)amine, Mechanism of death in dogs after systemic intoxication by intravenous injection of, 277
Metrazol, Effect of, on Electrical excitability of respiratory center when depressed by phenobarbital, 95
Mortarotti, T. G., deEds, Floyd, and Wilson, Robert H. Pharmacological properties of rutin, 120
Muscle and nerve of frog, Effects of various chemicals on survival of, after somatic death, 14
Musser, Ruth D., Sauerwald, Mary Jane, Krantz, John C., Jr., and Carr, C. Jelleff. Anesthetic action of ethyl vinyl ether, 88
Myocardigraph levers, calibrated springs attached to, Measurement of isometric systolic tension by means of, 26
N-Excretion of, in urine of dogs, after administration of labeled pentobarbital, 364
N-alkyl homologues of epinephrine, Pharmacology of, 110
Nash, V. L., McCarthy, H. M., Granger, H. R., Dertinger, B. L., and Lands, A. M. Pharmacology of N-alkyl homologues of epinephrine, 110
Nerve and muscle of frog, Effects of various chemicals on survival of, after somatic death, 14
Ness, A. T., Brady, Frederick J., Cowie, D. B., and Lawton, Alfred H. Anoma-
INDEX

Allen, George S. Acute toxicity of thioureas and related compounds to wild and domestic Norway rats, 260
Ritchie, Gorton, and Orth, O. Sidney. Pharmacological evaluation of dihydroergotamine methanesulfonate, 166
Robert de Ramires de Arellano, Maria L. Effect of metrazol on electrical excitability of respiratory center when depressed by phenobarbital, 95
Rutin, Effect of, on permeability of cutaneous capillaries, 399
Pharmacological properties of, 120
Sauerwald, Mary Jane, Krantz, John C., Jr., Carr, C., Jelleff, and Musser, Ruth D. Anesthetic action of ethyl vinyl ether, 88
Schmidt, L. H., Hughes, Hettie B., and Smith, Carl C. Pharmacology of paludrine, 233
Scott, Roy, White, Paul D., Alexander, Fred, Gold, Harry, Katz, Louis N., and Levy, Robert L. Relative value of quinines in control of cardiac arrhythmias, 191
Seudi, John V., Tabern, D. L., and Van Dyke, H. B. Excretion of N14 in urine of dogs after administration of labeled pentobarbital, 364
Seeler, Albert O., and Kuna, Samuel. Local anesthetic properties of 131 alkylamino alcohol esters, 181
Siegmund, O. H., Granger, H. R., and Lands, A. M. Bronchodilator action of compounds structurally related to epinephrine, 254
Smith, Carl C., Schmidt, L. H., and Hughes, Hettie B. Pharmacology of paludrine, 233
Smith, Homer W., Houck, C. Riley, Crawford, Betty, and Bannon, James H. Mechanism of death in dogs after intoxication by some chloroethylamines, 277

lous distribution of antimony in white rats following administration of tartar emetic, 174
Nutini, L. G., and Lynch, Sr. E. M. Response of penicillin-resistant strains of Staphylococcus aureus to extracts of beef brain, 313
Oberst, Fred W., Taylor, Elizabeth, and Synder, Fred H. Urinary and fecal excretion of sulfanilamide derivatives after oral administration to rats, 154
Orth, O. Sidney, and Ritchie, Gorton. Pharmacological evaluation of dihydroergotamine methanesulfonate, 166
Paludrine, Pharmacology of, 233
Penicillin-resistant strains of Staphylococcus aureus, Response of, to extracts of beef brain, 313
Pentobarbital, labeled, Excretion of N14 in urine of dogs after administration of, 364
Peralta, Braulio, and Mendes, Rafael. Action of sulphydryl reagents on isolated frog heart, 128
Phenobarbital, Effect of metrazol on electrical excitability of respiratory center when depressed by, 95
Phenythiourea poisoning, l-Thiosorbitol and BAL as antidotes in, 348
Phthalates, some glycols, glycol ethers, and glycol esters, Intraperitoneal toxicity of, in mice, 338
Pick, E. P., and Richards, G. V. Synergism of anesthetics and hypnotics with curare and curare-like alkaloids, 1
Quinidine, synthetic, dihydroquinidine, commercial quinidine and quinine, Relative value of, in control of cardiac arrhythmias, 191
Quinine, dihydroquinidine, synthetic and commercial quinidine, Relative value of, in control of cardiac arrhythmias, 191
Respiration and blood pressure, Effects on, of I-amino-l-phthalidylamino HCl, 202
Respiratory center, electrical excitability of, when depressed by phenobarbital, Effect of metrazol on, 95
Richards, G. V., and Pick, E. P. Synergism of anesthetics and hypnotics with curare and curare-like alkaloids, 1
Richter, Curt P., Dieke, Sally H., and

379
Snyder, Fred H., Oberst, Fred W., and Taylor, Elizabeth. Urinary and fecal excretion of sulfanilamide derivatives after oral administration to rats, 154
Sollmann, Torald. Effects of various chemicals on survival of frog muscle and nerve after somatic death, 14
Staphylococcus aureus, Response of penicillin-resistant strains of, to extracts of beef brain, 313
St. John, Ellen F., and Chenoweth, Maynard B. Effects of fluoroacetate on central nervous systems of dogs and rabbits, 76
Streptomycin, Colorimetric methods for determination of, 367
Inactivation of upon standing in certain culture media and human serum, 42
Strophanthidin, Digitalis-like action of some new glycosides and esters, 271
Sulfanilamide derivatives, Urinary and fecal excretion of, after oral administration to rats, 154
Sulphydryl reagents, Action of, on isolated frog heart, 128
Tabern, D. L., Van Dyke, H. B., and Seudi, John V. Excretion of N\textsuperscript{\textsubscript{1}} in urine of dogs after administration of labeled pentobarbital, 364
Tartar emetic, Anomalous distribution of antimony in white rats following administration of, 174
Tatum, A. L., and Voss, Elbert. Protective action of p-aminobenzoic acid against certain bismuth preparations, 161
Tatum, Howard J., Himmelfarb, Sylvia, and Harvey, Thomas S. 1-Thiosorbitol and BAL as antidotes in phenylthiourease poisoning, 348
Taylor, Elizabeth, Snyder, Fred H., and Oberst, Fred W. Urinary and fecal excretion of sulfanilamide derivatives after oral administration to rats, 154
1-Thiosorbitol and BAL as antidotes in phenylthiourease poisoning, 348
Thioureas and related compounds, Acute toxicity of, to wild and domestic Norway rats, 260
Toxicity, Acute, of thioureas and related compounds to wild and domestic Norway rats, 260
Intraperitoneal, of some glycols and phthalates in mice, 338
Tracheal chain; Response of, to bronchodilator drugs, 104
Van Dyke, H. B., Seudi, John V., and Tabern, D. L. Excretion of N\textsuperscript{\textsubscript{1}} in urine of dogs after administration of labeled pentobarbital, 364
Ventricle, section of right, Effect of drugs on contractile force of, under conditions of intact circulation, 26
Voss, Elbert, and Tatum, A. L. Protective action of p-aminobenzoic acid against certain bismuth preparations, 161
Wakim, K. G., and Chen, K. K. Action of alstonine, 57
Walton, Robert P., and Brodie, Oliver J. Effect of drugs on contractile force of section of right ventricle under conditions of intact circulation, 26
Wedd, A. M., and Blair, H. A. Comparison of certain digitalis glycosides, 211
Wilson, Robert H., Mortarotti, T. G., and de Eds, Floyd. Pharmacological properties of rutin, 120
Winburn, Martin M., and Crittenden, Phoebe J. Action of basic amino acids on heart and intestine, 293
Winter, Charles A. Comparative anti-histaminic activity of six compounds, 224