INDEX

Acetanilide and its metabolic products,
Estimation of, in biological fluids and tissues, 22
Fate of, in man, 29
Adrenergic blocking agents, Effect of, on vasoconstriction produced by acute oxygen lack, 221
nervous reflexes, epinephrine and nicotine, pressor responses to, Effect of two halogenated ethylamines on, 350
Alles, Gordon A., and Ellis, Charles H.
Comparative actions of certain compounds like alpha-fagarine, 416
Alpha-fagarine and similar compounds,
Comparative actions of, 416
Aminophylline and diphenhydramine, Protective action of combinations of, in fatal bronchospasm in guinea pigs due to mecholyl aerosol, 367
Analgesic action of methadon isomers and other analgesics, Evaluation of, by new rapid screening method, 328
Anesthesia. XXXI. Study of cyclic and noncyclic hydrocarbons on cardiac automaticity, 315
Anesthetics, Comparison of nine local, 299
local, and central nervous system depressants, Experimental heart failure caused by, 439
local, and narcotics, Action of, on respiration of heart muscle, 444
Angiotonin and other substances, Influence of tetraethylammonium on responses of isolated intestine to, 244
Antifibrillatory action of coronary dilator drugs, 136
Antihistamine and bronchodilator drugs,
Response to, of anaphylactic guinea pig trachea, 412
Antihistaminic drugs, Potentiating effect of, on sedative action of barbiturates, 7
Arterial pressure, Role of, in induction of idioventricular rhythms under cyclopropane anesthesia, 319
Atropine antagonism, Lack of, to convulsant action of strychnine, 78
Axelrod, Julius, and Brodie, Bernard B.
Estimation of acetanilide and its metabolic products in biological fluids and tissues, 22
and Brodie, Bernard B. Fate of acetanilide in man, 29
BAL, Inability of, to prevent or modify acute renal injury induced by uranium nitrate, 262
Barbiturates, determination of, Ultraviolet spectrophotometric procedure for, 68
sedative action of, Potentiating effect of antihistaminic drugs on, 7
Bernheim, Frederick, Fitzgerald, Dorothea B., and Eadie, George S. Inhibition of cholinesterase of rat brain by methadon, 19
Blood cell, red, of rabbit; Binding of mapharsen in, in vitro, 435, 462
Bodansky, Oscar, and Finkelstein, Murray. Effect of cardiac glycosides on respiration of cardiac muscle, 274
Bope, Frank W., Cranston, Elizabeth M., and Gisvold, Ole. Tannin obtained from Pinus Caribaea, Morelet, 209
Boyd, Beverly L., Josephson, Edward S., and Greenberg, Joseph. Synergistic effect of chlorguanide and sulfadiazine against Plasmodium gallinaceum in chick, 60
Brodie, Bernard B., and Axelrod, Julius. Estimation of acetanilide and its metabolic products in biological fluids and tissues, 22
and Axelrod, Julius. Fate of acetanilide in man, 29
and Flinn, Frederick B. Effect on pain threshold of N-acetyl p-aminophenol, 76
Lief, Philip A., and Poet, Raymond. Fate of procaine in man following intravenous administration and methods for estimation of procaine and diethylaminoethanol, 359
Bromal hydrate and chloral hydrate: pharmacological contrast and its chemical basis, 401

473
Bronchial, response of, to epinephrine and histamine, Influence on, of lung distention, 182
Bronchodilator and antihistamine drugs, Response to, of anaphylactic guinea pig trachea, 412
Bronchospasm, fatal, in guinea pigs, due to mecholyl aerosol, Protective action of combinations of diphenhydramine and aminophylline in, 367
Bruce, Margaret D., MacNider, Wm. deB., and Trott, Jesse C., Jr. Inability of BAL to prevent or modify acute renal injury induced by uranium nitrate, 262
Butler, Thomas C. Bronchial hydrate and chloral hydrate: pharmacological contrast and its chemical basis, 401
Cahen, Raymond L., Epstein, Herbert J., and Kremets, Christie S. Evaluation of analgesic action of methadon isomers and other analgesics by new rapid screening method, 328
Caplan, H., and Melville, K. I. Influence of lung distention on response of bronchioles to epinephrine and histamine, 182
Cardiac automaticity, Study of cyclic and noncyclic hydrocarbons on, 315 muscle, respiration of, Effect on, of cardiac glycosides, 274
Cardiotoxic effects on isolated frog heart, of antibiotic lactones and synthetic analogs, 232
Caronamide, Absorption and elimination of, 167
Castillo, Julio C. Anaphylactic guinea pig trachea and its response to antihistamine and bronchodilator drugs, 412
Central nervous system depressants and local anesthetics, Experimental heart failure caused by, 439
Chenoweth, Maynard B., and Garb, Solomon. Studies on hydrocarbon-epinephrine induced ventricular fibrillation, 12
Chloral hydrate and bromal hydrate: pharmacological contrast and its chemical basis, 401
Chlorinated tertiary amines, Neurological syndrome induced by administration of some, 249
Chloguanide and sulfadiazine, Synergistic effect of, against Plasmodium gallinaeum in chick, 60
Cholinesterase inhibiting activity, Relationship of, to toxicity of some organic phosphorus compounds, 215 of rat brain, Inhibition of, by methadon, 19
Citric acid and its sodium salts, Comparative toxic effects of, 65
Collins, Dean A. Influence of tetraethylammonium on responses of isolated intestine to angiotonin and other substances, 244
Coronary dilator drugs, Antifibrillatory action of, 136
Cranston, Elizabeth M., Gisvold, Ole, and Bope, Frank W. Tannin obtained from Pinus Caribaea, Morelet, 209
Cyclopropane anesthesia, Role of arterial pressure in induction of idioventricular rhythms under, 319
Davison, Clarke, Smith, Paul K., and Gimble, Abraham I. Toxicity, distribution and excretion of emetine, 431
Dearborn, Earl H. Comparison of one dose per day with six doses per day of quinine in suppression of loxophora malaria in duck, 178
Diethylaminoethanol and procaine, Methods for estimation of, 339
Digitoxin and histamine, Study of pharmacological relationship between, 53
Diphenhydramine and aminophylline, Protective action of combinations of, in fatal bronchospasm in guinea pigs due to mecholyl aerosol, 367
Eadie, George S., Bernheim, Frederick, and Fitzgerald, Dorotha B. Inhibition of cholinesterase of rat brain by methadon, 19
Ellis, Charles H., and Alles, Gordon A. Comparative actions of certain compounds like alpha-fagarine, 416
Ellis, Sydney. Enzyme hydrolysis of morphine esters, 130
Emetine, Toxicity, distribution and excretion of, 431
Enzymic hydrolysis of morphine esters, 130
Epinephrine and histamine, antagonism with N-(2-haloalkyl)-1-naphthalene-methylamine derivatives, 339
and histamine, Influence of lung distention on response of bronchiles to, 182
nicotine and adrenergic nervous reflexes, pressor responses to, Effect of two halogenated ethylamines on, 350
Epstein, Herbert J., Krements, Christie S., and Cahen, Raymond L. Evaluation of analgesic action of methadon isomers and other analgesics by new rapid screening method, 328
Ethylamines, Effect of two halogenated, on pressor responses to epinephrine, nicotine and adrenergic nervous reflexes, 350
Ferguson, J. K. W., Hamilton, H. S., and Westfall, B. A. Comparison of nine local anesthetics, 299
Fibrillation, ventricular, hydrocarbon-epinephrine induced, Studies on, 12
Fieser, Louis F., and Heymann, Hans. Naphthoquinone antimalarials. XIX. Antirespiratory study of protein binding, 97
Heymann, Hans, and Seligman, Arnold M. Naphthoquinone antimalarials. XX. Metabolic degradation, 112
Fink, Lewis D., and Wright, Harold N. Binding of mapharsen by red blood cell of rabbit in vitro, 455, 462
Finkelstein, Murray, and Bodansky, Oscar. Effect of cardiac glycosides on respiration of cardiac muscle, 274
Fitzgerald, Dorotha B., Eadie, George S., and Bernheim, Frederick. Inhibition of cholinesterase of rat brain by methadon, 19
Flinn, Frederick B., and Brodie, Bernard B. Effect on pain threshold of N-acetyl p-aminophenol, 76
p-Fluorophenethylamine and p-fluorophenethyl-methylamine, Comparative pharmacology of, 192
Frank, Karl, and Wikler, Abraham. Hindlimb reflexes of chronic spinal dogs during cycles of addiction to morphine and methadon, 382
Freeze, Homer B., Winbury, Martin M., Michiels, Patricia M., and Hambourger, W. E. Protective action of combinations of diphenhydramine and aminophylline in fatal bronchospasm in guinea pigs due to mecholyl aerosol, 367
Freyburger, Walter A., Moe, Gordon K., Malton, S. Donald, and Rennick, Barbara R. Role of arterial pressure in induction of idioventricular rhythms under cyclopropane anesthesia, 319
Garb, Solomon, and Chenoweth, Maynard B. Studies on hydrocarbon-epinephrine induced ventricular fibrillation, 12
Giarmann, Nicholas J. Antibiotic lactones and synthetic analogs. I. Cardiotoxic effects on isolated frog heart, 232
Gimble, Abraham I., Davison, Clarke, and Smith, Paul K. Toxicity, distribution and excretion of emetine, 431
Gisvold, Ole, Bope, Frank W., and Cranston, Elizabeth M. Tannin ob-
INDEX


Golbaum, Leo R. Ultraviolet spectrophotometric procedure for determination of barbiturates, 68


Grad, B., and Leblond, C. P. Thyroxine-like activity of chloro- and bromothyronine derivatives, 125

Graham, Boyd E., and Kuizenga, Marvin H. Pharmacologic study of orthomethoxy-β-phenylisopropyl methylamine hydrochloride, and 13 related methoxy analogues, 150

Green, Ray E., and Wescoe, W. Clarke Mechanism of convulsant action of strychnine; lack of atropine antagonism, 78

Greenberg, Jospeh, Boyd, Beverly L., and Josephson, Edward S. Synergistic effect of chloroguanide and sulfadiazine against Plasmodium gallinaceum in chick, 60

Gruber, Charles M., Jr., and Halbeisen, William A. Comparative toxic effects of citric acid and its sodium salts, 65


Hambourger, W. E., Freese, Homer B., Winbury, Martin M., and Michiels, Patricia M. Protective action of combinations of diphenhydramine and aminophylline in fatal bronchospasm in guinea pigs due to mecholyl aerosol, 387

Hamilton, H. S., Westfall, B. A., and Ferguson, J. K. W. Comparison of nine local anesthetics, 299

Heart failure, Experimental, caused by central nervous system depressants and local anesthetics, 439


Heptylamines, isomeric, Comparative pharmacology of, 225


and Fieser, Louis F. Naphthoquinone antimalarials. XIX. Antirespiratory study of protein binding, 97


Histamine and digitoxin, Study of pharmacological relationship between, 53

and epinephrine, antagonism with N-(2-haloalkyl)-1-naphthalenemethylamine derivatives, 339

and epinephrine, Influence of lung distention on response of bronchioles to, 182

Hutcheon, D. E. Biological assay of thyroid activity, 308

Hydrocarbon-epinephrine induced ventricular fibrillation, Studies on, 12

Hydrocarbons, cyclic and noncyclic, Study of, cardiac automaticity, 315


Josephson, Edward S., Greenberg, Joseph, and Boyd, Beverly L. Synergistic
INDEX

effect of chlorguanide and sulfadiazine against Plasmodium gallinaceum in chick, 60

Karel, Leonard, Jones, H. Walter, Jr., and Meyer, Bertram J. Relationship of cholinesterase inhibiting activity to toxicity of some organic phosphorus compounds, 215

Kramer, Milton L., Gold, Harry, Modell, Walter, Kwit, Nathaniel T., Dayrit, Conrado, Shane, Samuel J., and Zhalm, William. Thevetin, a glycoside with unusual speed of action in man, 44

Zahlm, William, Otto, Harold L., Gold, Harry, Modell, Walter, Kwit, Nathaniel T., Shane, Samuel J., and Dayrit, Conrado. Comparison of ouabain with strophanthidin-3-acetate by intravenous injection in man, 39

Krantz, John C., Carr, C. Jellef, and Vitcha, James F. Anesthesia. XXXI. Study of cyclic and noncyclic hydrocarbons on cardiac automaticity, 315

Kray, Otto, and Wollenberger, Albert. Experimental heart failure caused by central nervous system depressants and local anesthetics, 439

Kremez, Christie S., Cahen, Raymond L., and Epstein, Herbert J. Evaluation of analgesic action of methadon isomers and other analgesics by new rapid screening method, 328

Kueter, K. E., and Richards, R. K. Antagonism of rutin to capillary effects of sodium bisulfite and procaine, 372

Kuizenaga, Marvin H., and Graham, Boyd E. Pharmacologic study of orthomethoxy-α-phenylisopropyl methyamine hydrochloride, and 13 related methoxy analogues, 150

Vander Brook, Milton J., Olson, Kenneth J., and Richardson, Marilyn T. Pharmacology of new antihistamine, pyrrolazote, 197

Kun, E., and Sjoerdsma, A. Study of pharmacological relationship between digitalis and histamine, 53


Lactones, Antibiotic, and synthetic analogs.
I. Cardiotoxic effects on isolated frog heart, 232

Landing, B. H., Shapiro, D. M., Goldberg, B., Goldin, A., and Noe, H. A. Neurological syndrome induced by administration of some chlorinated tertiary amines, 249

Laxative activity of triphenylmethane derivatives, 288

Leblond, C. P., and Grad, B. Thyroxine-like activity of chloro- and bromothyronine derivatives, 125

Lief, Philip A., Poet, Raymond, and Brodie, Barnard B. Fate of procaine in man following its intravenous administration and methods for estimation of procaine and diethylaminoethanol, 359


and Stone, Clem A. Effects of two halogenated ethylamines on pressor responses to epinephrine, nicotine and adrenergic nervous reflexes, 350

Loewe, S. Laxative activity of triphenylmethane derivatives. I. Relationship between structure and activity of phenolphthalein congener, 288

Lung distention, Influence of, on response of bronchioles to epinephrine and histamine, 182

MacNider, Wm. deB., Trott, Jesse C., Jr., and Bruce, Margaret D. Inability of BAL to prevent or modify acute renal injury induced by uranium nitrate, 262

Malaria, lophurae, in duck, suppression of, Comparison of one dose per day with six doses per day of quinine, 178

INDEX

Mapharsen, Binding of, by red blood cell of rabbit in vitro, 455, 462
Mash, David F. Comparative pharmacology of isomeric heptamines, 225
Comparative pharmacology of p-fluorophenethylamine and p-fluorophenethylmethylamine, 192
Pharmacological activity of 1-phenyl-2-butylamine, 426
and Van Liere, Edward J. Effect of adrenergic blocking agents on vasoconstriction produced by acute oxygen lack, 221
McCintons, L. T., and Schubert, Jack. Toxicity of some zirconium and thorium salts in rats, 1
Melville, K. I. Antiarrhythmic action of coronary dilator drugs, 136
and Caplan, H. Influence of lung distention on response of bronchioles to epinephrine and histamine, 182
Methadon and morphine, Hindlimb reflexes of chronic spinal dogs during cycles of addiction to, 382
Inhibition by, of cholinesterase of rat brain, 19
isomers and other analogues, Evaluation of analgesic action of, by new rapid screening method, 328
Meyer, Bertram J., Karel, Leonard, and Jones, H. Walter, Jr. Relationship of cholinesterase inhibiting activity to toxicity of some organic phosphorus compounds, 215
Miethich, Audrey, and Loew, Earl R. Antagonism of histamine and epinephrine with N-(2-baaloxy)-1-naphthalenemethylamine derivatives, 339
Michels, Patricia M., Hambourger, W. W., Freese, Homer B., and Winbury, Martin M. Protective action of combinations of diphenhydramine and aminophylline in fatal bronchospasm in guinea pigs due to meeholyl aerosol, 367
Moe, Gordon K., Malton, S. Donald, Rennick, Barbara R., and Freyburger, Walter A. Role of arterial pressure in induction of idioventricular rhythms under cyclopropane anesthesia, 319
Morphine and methadon, Hindlimb reflexes of chronic spinal dogs during cycles of addiction to, 382
esters, Enzymic hydrolysis of, 130
N-acetyl p-aminophenol, Effect of, on pain threshold, 76
Naphthoquinone antimalarials. XVIII.
Metabolic oxidation products, 85
XIX. Antirespiratory study of protein binding, 97
XX. Metabolic degradation, 112
Narcotics and local anesthetics, Action of, on respiration of heart muscle, 444
Nicotine, epinephrine and adrenergic nervous reflexes, pressor responses to, Effect of two halogenated ethylamines on, 350
Noe, H. A., Landing, B. H., Shapiro, D. M., Goldberg, B., and Goldin, A. Neurological syndrome induced by administration of some chlorinated tertiary amines, 249
Olson, Kenneth J., Richmond, Marilyn T., Kuizenga, Marvin H., and Vander Brook, Milton J. Pharmacology of new antihistamine, pyrrolazote, 197
Ortho-methoxy-3-phenylisopropyl methylamine hydrochloride, Pharmacologic study of, and 13 related methoxy analogues, 150
Ouabain, Comparison of, with strophanthidin-3-acetate by intravenous injection in man, 39
Oxygen lack, acute, vasoconstriction produced by, Effect of adrenergic blocking agents on, 221
INDEX

Pain threshold, effect on, of N-acetyl p-aminophenol, 76

Phenolphthalein congeners, Relationship between structure and activity, 288

1-Phenyl-2-butylamine, Pharmacological activity of, 426

Phosphorus, organic compounds, Relationship of cholinesterase inhibiting activity to toxicity of, 215

Pinus Caribaea, Morelet, Tannin obtained from, 209

Plasmodium gallinaceum in chick, Synergistic effect against, of chlorguanide and sulfadiazine, 60

Poet, Raymond, Brodie's Bernard B., and Lief, Philip A. Fate of procain in man following its intravenous administration and methods for estimation of procaine and diethylaminoethanol, 359

Procaine, Fate of, in man, following its intravenous administration and methods for estimation of procaine and diethylaminoethanol, 359

Procaine and sodium bisulfite, Antagonism of rutin to capillary effects of, 372

Pyrrolazote, new antihistamine, Pharmacology of, 197

Quinine, Comparison of one dose per day with six doses per day, in suppression of lophurae malaria in duck, 178

Renal injury, acute, induced by uranium nitrate, Inability of BAL to prevent or modify, 262


Richards, R. K., and Kueker, K. E. Antagonism of rutin to capillary effects of sodium bisulfite and procaine, 372

Richmond, Marilyn T., Kuizenga, Marvin H., Vander Brook, Milton J., and Olson, Kenneth J. Pharmacology of new antihistamine, pyrrolazote, 197


Rutin, Antagonism of, to capillary Effects of sodium bisulfite and procaine, 272


Schubert, Jack, and McClinton, L. T. Toxicity of some zirconium and thorium salts in rats, 1


Zahm, William, Kramer, Milton L., Gold, Harry, Modell, Walter, Kwit, Nathaniel T., and Dayrit, Conrado. Thevetin, a glycoside with unusual speed of action in man, 44


Sjoendsma, A., and Kun E. Study of pharmacological relationship between digitoxin and histamine, 53

Smith, Paul K., Gimble, Abraham I., and Davison, Clarke. Toxicity, distribution and excretion of emetine, 431

Sodium bisulfite and procaine, Antagonism of rutin to capillary effects of, 372

Stone, Clem A., and Loew, Earl R. Effects of two halogenated ethylamines on pressor responses to epinephrine, nicotine and adrenergic nervous reflexes, 350

Strophanthinidin-3-acetate, Comparison of, with ouabain by intravenous injection in man, 39

Strychnine, Mechanism of convulsant action of, lack of atropine antagonism, 78

Sulfadiazine and chlorguanide, Synergistic effect of, against Plasmodium gallinaceum in chick, 60
Tannin obtained from Pinus Caribaea, Morelet, 209
Tetraethylammonium, Influence of, on responses of isolated intestine to angiotonin and other substances, 244
Thevetin, a glycoside with unusual speed of action in man, 44
Thorium and zirconium salts, Toxicity of, in rats, 1
Thyroid activity, Biological assay of, 308
Thyronine derivatives (chloro- and bromo-), Thyroxine-like activity of, 125
Trachea, guinea pig, Anaphylactic Response of, to antihistamine and bronchodilator drugs, 412
Triphenylmethane derivatives, Laxative activity of, 288
Trott, Jesse C., Jr., Bruce, Margaret D., and MacNider, Wm. deB. Inability of BAL to prevent or modify acute renal injury induced by uranium nitrate, 262
Uranium nitrate, acute renal injury induced by, Inability of BAL to prevent or modify, 262
Van Liere, Edward J., and Marsh, David F. Effect of adrenergic blocking agents on vasoconstriction produced by acute oxygen lack, 221
Vander Brook, Milton J., Olson, Kenneth J., Richmond, Marilyn T., and Kuzenga, Marvin H. Pharmacology of new antihistamine, pyrrolazote, 197
Vasoconstriction produced by acute oxygen lack, Effect on, of adrenergic blocking agents, 221
Vitecha, James F., Krantz, John C., Jr., and Carr, C. Jelleff. Anesthesia. XXXI. Study of cyclic and noncyclic hydrocarbons on cardiac automaticity, 315
Wescue, W. Clarke, and Green, Ray E. Mechanism of convulsant action of strychnine; lack of atropine antagonism, 78
Westfall, B. A., Ferguson, J. K. W., and Hamilton, H. S. Comparison of nine local anesthetics, 299
Wikler, Abraham, and Frank, Karl. Hind-limb reflexes of chronic spinal dogs during cycles of addiction to morphine and methadon, 382
Winbury, Martin M., Michiels, Patricia M. Hambourger, W. E., and Freese, Homer B. Protective action of combinations of diphenhydramine and aminophylline in fatal bronchospasm in guinea pigs due to mecholyl aerosol, 387
Winter, Charles A. Potentiating effect of antihistaminic drugs on sedative action of barbiturates, 7
Wollenberger, Albert. Action of narcotics and local anesthetics on respiration of heart muscle, 444
and Krayer, Otto. Experimental heart failure caused by central nervous system depressants and local anesthetics, 439
Wright, Harold N., and Fink, Lewis D. Binding of mapharsen by red blood cell of rabbit, in vitro, 455, 462
Zahm, William, Kramer, Milton L., Gold, Harry, Modell, Walter, Kwit, Nathaniel T., Dayrit, Conrado, and Shane, Samuel J. Thevetin, a glycoside with unusual speed of action in man, 44
Zirconium and thorium salts, Toxicity of, in rats, 1