

INDEX

- Abreu, B. E., and Meyers, F. H. Comparison of the central and peripheral effects of atropine, scopolamine and some synthetic atropine-like compounds, 387
- Acetylcholine, actions of, on isolated cat atrium, 264
effect of, on embryonic myocardial membrane potentials, 103
- Acetyl-strophanthidin, action of, on heart muscle, 334
- Acierno, L., Burno, F., Burstein, F., and DiPalma, J. R. Actions of ATP on the isolated cat atrium and their antagonism by acetylcholine, 264
- Adenine, toxicity of, relation to formation and deposition of 2,8-dioxyadenine in renal tubules, 20
- Adiphenine, see Spasmolytic drugs, 387
- Adler, T. K., and Shaw, F. H. Biological liberation of morphine from codeine in the rat, 1
- Adrenal cortex, hormone of, effect of, on conjugation of morphine, 11
- Adrenergic blocking agents, blockade of epinephrine hyperglycemia, comparison with vascular blockade, 363
N-phenoxyisopropyl-N-benzyl- β -chlorethylamine and renal function, 329
- Adrenocorticotropic hormone, effect of, on conjugation of morphine, 11
- Alexander, G. V., see MacDonald, N. S., 348
- Algesimetry, tooth pulp, reliability and validity of, 135
- Alles, G. A., and Ellis, C. H. Comparative study of the pharmacology of certain cryptopine alkaloids, 253
- Allocryptopine, pharmacology of, 253
- Alloxan, action of, on carbohydrate metabolism of isolated rat diaphragm, 340
experimental diabetes from, compared with 8-hydroxyquinoline, 404
- Amprofropine, see Spasmolytic drugs, 387
- Analgesics, see Meperidine
- Anesthetics, general, see Cyclopropane
local, activity of 2-alkoxy analogs of procaine and tetracaine, 40
local, hydrolysis of, by serum esterase, 122
- Antibiotics, see Chloramphenicol
- Anticoagulants, see Heparin
- Anticonvulsants, carbamate esters of 2,2-disubstituted-1,3-propanediols, 229
o-toloxypropyl carbamates as, 468
see Hydantoins, 309
see Pyridyl ketones
- Antihistamines, see Diphenhydramine
toxicity of, effect on of sodium pentobarbital, 115
- Antispasmodics, bicyclic basic alcohol esters, 284
comparative action of, on sphincter of Oddi, 269
- Arnold, J. S., Kisieleski, W. E., Faraghan, W. G., and Norris, W. P. Metabolism of uranium²³³ in mice, 459
- Aspirin, as analgesic, 135
- ATP, actions of, on isolated cat atrium, 264
- Atropine, actions of, central and peripheral, comparison with synthetic compounds, 387
- Aviado, D. M., Jr., Schmidt, C. F., Li, T. H., and Jacobs, B. R. Early respiratory depression by curare and curare-potassium antagonism, 149
- Azide, sodium, effect of, on resting and activity respiration of muscle, 187
- Azure A, effects of, on isolated heart, 416
- Banthine, see Methantheline
- Barbera, R., see MacDonald, N. S., 348
- Barbiturates, see Thiopental
sodium pentobarbital, effect of, on toxicity of antihistamines, 115
- Beckman, H., and Chen, J. Y. P. Antispasmodic effects and toxicity of N-ethyl-3-piperidyl-diphenylacetate hydrochloride with special reference to its action on the sphincter of Oddi of the dog, 269
- Bendich, A., Philips, F. S., and Thiersch, J. B. Adenine intoxication in relation to *in vivo* formation and deposition of 2,8-dioxyadenine in renal tubules, 20
- Benson, W. M., Stefko, P. L., and Randall, L. O. Spasmolytic action of bicyclic basic alcohol esters, 284
- Berger, F. M. Anticonvulsant activity of carbamate esters of certain 2,2-disubstituted-1,3-propanediols, 229
—, Central depressant properties of *o*-toloxypropyl carbamates, 468

- Beyer, R. E., Loomis, T. A., and Jesseph, R. E. Prolongation of the anticoagulant action of heparin with procaine and butacaine conjugates, 87
- Bezold effect, cinchoninic acid derivatives and, 211
- Bidwell, S. M. R., and Boyd, E. M. Diphenhydramine hydrochloride, USP XIV, and respiratory tract fluid, 224
- Blair, H. A., and Wedd, A. M. Action of acetyl-strophanthidin on heart muscle, 334
- Blanchet, H. J., Jr., Hodge, H. C., and Maynard, E. A. Chronic oral toxicity tests of methoxychlor in rats and dogs, 60
—, see Hodge, H. C., 202
- Blockus, L. E., and Harris, S. C. Reliability and validity of tooth pulp algiesimetry, 135
- Blumberg, A. G., La Du, B. N., Jr., Lesser, G. T., and Steele, J. M. Determination of the solubility of cyclopropane in fats and oils with the use of the Warburg apparatus, 325
- Borison, H. L. Role of gastrointestinal innervation in digitalis emesis, 396
- Boyd, E. M., and Bidwell, S. M. R. Diphenhydramine hydrochloride, USP XIV, and respiratory tract fluid, 224
- Burno, F., see Acierno, L., 264
- Burstein, F., see Acierno, L., 264
- Butacaine, conjugate with heparin, to prolong anticoagulant action, 87
- Butler, T. C. Metabolic demethylation of 3-methyl-5-ethyl-5-phenyl hydantoin (Mesantoin), 299
- Calvin, L. D., Green, D. M., Freese, H. B., and Hambourger, W. E. Chronic tolerance studies on β -diethylaminoethyl xanthene-9-carboxylate methobromide (Banthine), 54
- Caramiphen, see Spasmolytic drugs, 387
- Carbohydrate metabolism, action on, of alloxan, iodoacetate and p-chloromercuribenzoate, 340
- Cardiac glycosides, emesis from, study of, 396
see Strophanthin-g
- Cardiac pharmacology, action of acetyl-strophanthidin on heart muscle, 334
actions of ATP and acetylcholine on isolated cat atrium, 264
effect of antiheparin dyes on isolated heart, 416
- effect of innervation and drugs on embryonic myocardial membrane potentials, 103
- see Cryptopine alkaloids
- see Ouabain
- see Strophanthin-g
- Central nervous system, of chick embryo, toxicity of lead to, 176
- Cephaeline, toxicity of, 421
- Chen, J. Y. P., and Beckman, H. Antispasmodic effects and toxicity of N-ethyl-3-piperidyl-diphenylacetate hydrochloride with special reference to its action on the sphincter of Oddi of the dog, 269
- Chen, K. K., and Root, M. A. Experimental diabetes produced by 8-hydroxyquinaline, 404
- Chenoweth, M. B., and Kandel, A. Metabolic disturbances produced by some fluoro-fatty acids: relation to the pharmacologic activity of these compounds, 234
—, and Kandel, A. Tolerance to fluoracetate and fluorobutyrate in rats, 248
—, and Weeks, J. R. Stationary manometric respirometer for isolated rat diaphragm allowing simultaneous direct registration of mechanical activity. Observations with sodium azide and dinitrophenol, 187
- Chloramphenical, metabolic disposition of, in the rat, 452
- p-Chloromercuribenzoate, action of, on carbohydrate metabolism of isolated rat diaphragm, 340
- Cholinesterase, of human serum, hydrolysis of local anesthetics by, 122
- Cinchoninic acid, derivatives of, reflex actions, 211
- Citrate, relation of accumulation to toxicity of fluoro-fatty acids, 234
- Cobbey, T. S., Jr., Farah, A., and Mook, W. Renal action of mercurial diuretics as affected by sodium load, 31
- Codeine, as analgesic, 135
liberation from, of morphine, 1
method for assaying concentration, 1
- Coronary flow, effect on, of strophanthin-g, 445
- Cryptopine alkaloids, comparative pharmacology of, 253
- Curare, see d-Tubocurarine
- Cyclopropane, solubility of, in fats and oils, as determined by Warburg apparatus, 325

- de Beer, E. J., and Miller, G. B. Ability of ergotoxine to modify the contractile action of ergonovine on the isolated uterus, 412
- Diabetes, experimental, produced by 8-hydroxyquinoline, 404
- Digitalis, see Cardiac glycosides, 396
- Digitoxin, effect of, on embryonic myocardial membrane potentials, 103
- Dilantin, effect of nephrectomy and liver injury on action of, 309
- Dill, W. A., Wolf, L. M., and Glazko, A. J. Observations on the metabolic disposition of chloramphenicol in the rat, 452
- Dinitrophenol, effect of, on resting and active respiration of muscle, 187
- DiPalma, J. R., see Acierno, L., 264
- Diphenhydramine, influence of, on respiratory tract fluid, 224
- Dyes, antiheparin, effects of, on isolated heart, 416
- Elliott, H. W., Way, E. L., and Plotnikoff, N. P. Metabolism of $N\text{-C}^{14}\text{H}_3$ labeled meperidine, 377
- Ellis, C. H., and Alles, G. A. Comparative study of the pharmacology of certain cryptopine alkaloids, 253
- Emesis, chemoreceptor trigger zone for, role in emesis after glycosides, 396 production of by veratrum derivatives, 76
- Emetine, toxicity of, 421
- Epinephrine, effect of, on embryonic myocardial membrane potentials, 103 hyperglycemia from, blockade of, 363
- Ergonovine, action of on isolated uterus, modification by ergotoxine, 412
- Ergotoxine, action of, to modify action of ergonovine on isolated uterus, 412
- Esidron acid, action of, as affected by sodium load, 31
- Ezmirlian, F., see MacDonald, N. S., 348
- Faraghan, W. G., Norris, W. P., Arnold, J. S., and Kisieleski, W. E. Metabolism of uranium²³³ in mice, 459
- Farah, A., Cobbey, T. S., Jr., and Mook, W. Renal action of mercurial diuretics as affected by sodium load, 31
- Farrar, C., see Walker, H. A., 211
- Fingl, E., Woodbury, L. A., and Hecht, H. H. Effects of innervation and drugs upon direct membrane potentials of embryonic chick myocardium, 103
- Finney, D. J. Graphical estimation of relative potency from quantal responses, 440
- Flaxedil, importance of chemical configuration, and analogue of, 354
- Fluoroacetate, pharmacologic and biochemical activity of, 234 tolerance to and cross-tolerance to fluorobutyrate, 248
- Fluorobutyrate, tolerance to, 248
- Fluoro-fatty acids, metabolic disturbances and, 234
- Freese, H. B., Hamourger, W. E., Calvin, L. D., and Green, D. M. Chronic tolerance studies on β -diethylaminoethyl xanthene-9-carboxylate methobromide (Banthine), 54
- Fuyat, H. N., Nelson, A. A., Radomski, J. L., and Hagan, E. C. Pharmacology of ipecac, 421
- Glazko, A. J., Dill, W. A., and Wolf, L. M. Observations on the metabolic disposition of chloramphenicol in the rat, 452
- Glucose, blood, effect of adrenergic blocking agents on, 363
- Goodman, L. S., Swinyard, E. A., and Weaver, L. C. Effect of liver injury and nephrectomy on the anticonvulsant activity of clinically useful hydantoins, 309
- Gould, T. C., and Shideman, F. E. In vitro metabolism of thiopental by a fortified, cell-free tissue preparation of the rat, 427
- Green, D. M., Freese, H. B., Hamourger, W. E., and Calvin, L. D. Chronic tolerance studies on β -diethylaminoethyl xanthene-9-carboxylate methobromide (Banthine), 54
- Greenberg, L. A., Lester, D., and Haggard, H. W. Absorption of nicotine in tobacco smoking, 162
- Grossman, M. I., Robertson, C., and Rosiere, C. E. Effect of some compounds related to histamine on gastric acid secretion, 277
- Haft, D. E., and Mirsky, I. A. Action of alloxan, iodoacetate and p-chloromercuribenzoate on carbohydrate metabolism of the isolated rat diaphragm in the absence and presence of insulin, 340
- Hagan, E. C., Fuyat, H. N., Nelson, A. A., and Radomski, J. L. Pharmacology of ipecac, 421

- Haggard, H. W., Greenberg, L. A., and Lester, D. Absorption of nicotine in tobacco smoking, 162
- Haley, T. J., and Leitch, J. L. Effects of four antiheparin dyes on the isolated hearts of the frog, guinea pig and rabbit, 416
- Hambourger, W. E., Calvin, L. D., Green, D. M., and Freese, H. B. Chronic tolerance studies on β -diethylaminoethyl xanthene-9-carboxylate methobromide (Banthine), 54
- Handley, C. A., and Moyer, J. H. Renal hemodynamic and blood pressure response to N-phenoxyisopropyl-N-benzyl- β -chlorethylamine, 329
- Harris, S. C., and Blockus, L. E. Reliability and validity of tooth pulp algesimetry, 135
- Harvey, S., Wang, C. Y., and Nickerson, M. Blockade of epinephrine-induced hyperglycemia, 363
- Heart, embryonic, membrane potentials of, 103
- Hecht, H. H., Fingl, E., and Woodbury, L. A. Effects of innervation and drugs upon direct membrane potentials of embryonic chick myocardium, 103
- Heparin, prolongation of action, with procaine and butacaine conjugates, 87
- Herbert, W. C., and Way, E. L. Effect of sodium pentobarbital on the toxicity of certain antihistamines, 115
- Histamine, compounds related to, effect of, on gastric acid secretion, 277
- Hodge, H. C., Maynard, E. A., and Blanchet, H. J., Jr. Chronic oral toxicity tests of methoxychlor in rats and dogs, 60
- , Maynard, E. A., Blanchet, H. J., Jr., Spencer, H. C., and Rowe, V. K. Toxicological studies of orthophenylphenol, 202
- Hoppe, J. O., and Luduena, F. P. Local anesthetic activity, toxicity and irritancy of 2-alkoxy analogs of procaine and tetracaine, 40
- Hydantoin, diphenyl, 309
- Mesantoin, demethylation of, 299
- Nirvanol, excretion, production of from Mesantoin, 299
- Hydantoins, effect on action of, of nephrectomy and liver injury, 309
- 8-Hydroxyquinoline, production by, of experimental diabetes, 404
- Iodoacetate, action of, on carbohydrate metabolism of isolated rat diaphragm, 340
- Ipecac, toxicity of, 421
- Jacobs, B. R., Aviado, D. M., Jr., Schmidt, C. F., and Li, T. H. Early respiratory depression by curare and curare-potassium antagonism, 149
- Jesseph, R. E., Beyer, R. E., and Loomis, T. A. Prolongation of the anticoagulant action of heparin with procaine and butacaine conjugates, 87
- Kalow, W. Hydrolysis of local anesthetics by human serum esterase, 122
- Kandel, A., and Chenoweth, M. B. Metabolic disturbances produced by some fluoro-fatty acids: relation to the pharmacologic activity of these compounds, 234
- , and Chenoweth, M. B. Tolerance to fluoroacetate and fluorobutyrate in rats, 248
- Kaplan, A., and Mosey, L. Respiratory effects of potent hypotensive derivatives of veratrum, 67
- Karnofsky, D. A., and Ridgway, L. P. Production of injury to the central nervous system of the chick embryo by lead salts, 176
- Kisielewski, W. E., Faraghan, W. G., Norris, W. P., and Arnold, J. S. Metabolism of uranium²³³ in mice, 459
- La Du, B. N., Jr., see Blumberg, A. G., 325
- Lanatoside, C., study of emesis from, 396
- Lands, A. M. Cardiovascular actions of 1-(3-aminophenyl)-2-aminoethanol and related compounds, 474
- Lead, toxicity of, to chick embryo, 176
- Leary, D. E., Slater, I. H., and O'Leary, J. F. Mode of action of α -phenyl γ -(2-pyridyl)-propyl ketone, 168
- Leitch, J. L., and Haley, T. J. Effects of four antiheparin dyes on the isolated hearts of the frog, guinea pig and rabbit, 416
- Lesser, G. T., see Blumberg, A. G., 325
- Lester, D., Haggard, H. W., and Greenberg, L. A. Absorption of nicotine in tobacco smoking, 162
- Li, T. H., Jacobs, B. R., Aviado, D. M., Jr., and Schmidt, C. F. Early respiratory depression by curare and curare-potassium antagonism, 149

- Loomis, T. A., Jesseph, R. E., and Beyer, R. E. Prolongation of the anticoagulant action of heparin with procaine and butacaine conjugates, 87
—, and Ransom, V. R. Effect of ouabain on the respiration of isometrically contracting rat auricle, 219
- Luduena, F. P., and Hoppe, J. O. Local anesthetic activity, toxicity and irritancy of 2-alkoxy analogs of procaine and tetracaine, 40
- MacDonald, N. S., Nusbaum, R. E., Ezmilian, F., Barbera, R., Alexander, G. V., Spain, P., and Rounds, D. E. Gastrointestinal absorption of ions. I. Agents diminishing absorption of strontium, 348
- Maynard, E. A., Blanchet, H. J., Jr., and Hodge, H. C. Chronic oral toxicity tests of methoxychlor in rats and dogs, 60
—, see Hodge, H. C., 202
- Meperidine, metabolism of $N\text{-C}^{14}\text{H}_3$ labeled, 377
- Mephenesin, compounds related to, 468
- Mercurial diuretics, action of, as affected by sodium load, 31
- Mersalyl, action of, as affected by sodium load, 31
- Mesantoin, demethylation of, 299
effect of nephrectomy and liver injury on action of, 309
- Methantheline, chronic tolerance studies on, 54
- Methoxychlor, chronic toxicity of, 60
- Meyers, F. H., and Abreu, B. E. Comparison of the central and peripheral effects of atropine, scopolamine and some synthetic atropine-like compounds, 387
- Miller, G. B., and de Beer, E. J. Ability of ergotoxine to modify the contractile action of ergonovine on the isolated uterus, 412
- Mirsky, I. A., and Haft, D. E. Action of alloxan, iodoacetate and p-chloromercuribenzoate on carbohydrate metabolism of the isolated rat diaphragm in the absence and presence of insulin, 340
- Mook, W., Farah, A., and Cobbey, T. S., Jr. Renal action of mercurial diuretics as affected by sodium load, 31
- Morphine, biological liberation of, from codeine, 1
conjugation of, effect on, of prolonged morphine administration, 11
- Mosey, L., and Kaplan, A. Respiratory effects of potent hypotensive derivatives of veratrum, 67
- Moyer, J. H., and Handley, C. A. Renal hemodynamic and blood pressure response to N-phenoxyisopropyl-N-benzyl- β -chlorethylamine, 329
- Muscle, respirometer for recording activity of, 187
smooth, action of antispasmodics on, 269
smooth, spasmolysis in, by bicyclic basic alcohol esters, 284
- Nelson, A. A., Radomski, J. L., Hagan, E. C., and Fuyat, H. N. Pharmacology of ipecac, 421
- Neutral red, effects of, on isolated heart, 416
- Neutral violet, effects of, on isolated heart, 416
- Nickerson, M., Harvey, S., and Wang, C. Y. Blockade of epinephrine-induced hyperglycemia, 363
- Nicotine, absorption of, in smoking, 162
- Nirvanol, production of, from Mesantoin, 299
- Norris, W. P., Arnold, J. S., Kisileski, W. E., and Faraghan, W. G. Metabolism of uranium²³⁸ in mice, 459
- Nusbaum, R. E., see MacDonald, N. S., 348
- O'Leary, J. F., Leary, D. E., and Slater, I. H. Mode of action of α -phenyl- γ -(2-pyridyl)-propyl ketone, 168
- Orthophenylphenol, toxicology of, 202
- Ouabain, effect of, on respiration of isometrically contracting rat auricle, 219
study of emesis from, 396
- Papaverine, antispasmodic action of, 269
see Spasmolytic drugs, 387
- Pelikan, E. W., and Unna, K. R. Functional importance of the quaternary nitrogen atoms in 1,2,3-tris(diethylaminoethoxy)-benzene triethiodide (Flaxedil), 354
- Phenindamine, reflex actions of, 211
- Phenol, o-phenyl-, toxicology of, 202
- Phenyldiguanide, reflex actions of, 211
- Philips, F. S., Thiersch, J. B., and Bendich, A. Adenine intoxication in relation to *in vivo* formation and deposition of 2,8-dioxyadenine in renal tubules, 20
- Plotnikoff, N. P., Elliott, H. W., and Way, E. L. Metabolism of $N\text{-C}^{14}\text{H}_3$ labeled meperidine, 377

- Plutonium, excretion and distribution of, action of Zr and other metals on, 317
- Potassium, antagonism by, to curare, 149
- Procaine, 2-alkoxy analogs of, 40
conjugate with heparin, to prolong anti-coagulant action, 87
hydrolysis of, by serum esterase, 122
- Propanediols, 1,3-, anticonvulsant activity of carbamate esters of 2,2-disubstituted, 229
- Purines, 2,8-dioxyadenine, deposition in renal tubules, 20
- Pyridyl ketones, depressant actions, 168
- Quantal responses, graphical estimation and, 440
- Quaternary ammonium compounds, see d-Tubocurarine
see Flaxedil
- Quinuclidinol, esters of, as spasmolytic drugs, 284
- Radomski, J. L., Hagan, E. C., Fuyat, H. N., and Nelson, A. A. Pharmacology of ipecac, 421
- Randall, L. O., Benson, W. M., and Stefko, P. L. Spasmolytic action of bicyclic basic alcohol esters, 284
- Ransom, V. R., and Loomis, T. A. Effect of ouabain on the respiration of isometrically contracting rat auricle, 219
- Renal function, and N-phenoxyisopropyl-N-benzyl- β -chlorethylamine, 329
see Mercurial diuretics
- Respiration, effects on, of curare, 149
effects on, of veratrum derivatives, 67
- Respirometer, for recording activity of isolated muscle, 187
- Richards, R. K., Tabern, D. L., and Taylor, J. D. Metabolism of S³⁵ thiopental. Chemical and paper chromatographic studies of S³⁵ excretion by the rat and monkey, 93
- Richardson, A. P., see Walker, H. A., 211
- Ridgway, L. P., and Karnofsky, D. A. Production of injury to the central nervous system of the chick embryo by lead salts, 176
- Robertson, C., Rosiere, C. E., and Grossman, M. I. Effects of some compounds related to histamine on gastric acid secretion, 277
- Root, M. A., and Chen, K. K. Experimental diabetes produced by 8-hydroxyquino-line, 404
- Rosiere, C. E., Grossman, M. I., and Robertson, C. Effect of some compounds related to histamine on gastric acid secretion, 277
- Rounds, D. E., see MacDonald, N. S., 348
- Rowe, V. K., see Hodge, H. C., 202
- Schallek, W., and Smith, T. H. F. Electroencephalographic analysis of side effects of spasmolytic drugs, 291
- Schmidt, C. F., Li, T. H., Jacobs, B. R., and Aviado, D. M., Jr. Early respiratory depression by curare and curare-potassium antagonism, 149
- Schubert, J., and White, M. R. Action of salts of zirconium and other metals on plutonium and yttrium distribution and excretion, 317
- Scillaren A, study of emesis from, 396
- Scopolamine, comparison of with atropine, 387
- Shaw, F. H., and Adler, T. K. Biological liberation of morphine from codeine in the rat, 1
- Sherrod, T. R. Strophanthin-g on coronary sinus outflow, 445
- Shideman, F. E., and Gould, T. C. In vitro metabolism of thiopental by a fortified, cell-free preparation of the rat, 427
- Slater, I. H., O'Leary, J. F., and Leary, D. E. Mode of action of α -phenyl γ -(2-pyridyl)-propyl ketone, 168
- Smith, T. H. F., and Schallek, W. Electroencephalographic analysis of side effects of spasmolytic drugs, 291
- Sodium, effect of, on action of mercurial diuretics, 31
- Spain, P., see MacDonald, N. S., 348
- Spasmolytic drugs, action of bicyclic basic alcohol esters, 284
adiphenine, 269
comparison of, central and peripheral actions, 387
cortical actions of, 291
- Spencer, H. C., see Hodge, H. C., 202
- Statistical evaluation of data, graphical estimation of potency from quantal responses, 440
- Steele, J. M., see Blumberg, A. G., 325
- Stefko, P. L., Randall, L. O., and Benson, W. M. Spasmolytic action of bicyclic basic alcohol esters, 284
- Stomach, acid secretion of, effect on, of histamine analogs, 277

- Strontium, ingested, agents diminishing skeletal accumulation of, 348
- Strophanthidin, acetyl, action of, on heart muscle, 334
- Strophanthin-g, effect on coronary flow, 445
- Swinyard, E. A., Weaver, L. C., and Goodman, L. S. Effect of liver injury and nephrectomy on the anticonvulsant activity of clinically useful hydantoins, 309
- Swiss, E. D. Emetic properties of veratrum derivatives, 76
- Sympathomimetic amines, cardiovascular actions of 1-(3-aminophenyl)-2-aminoethanol and related compounds, 474
- Tabern, D. L., Taylor, J. D., and Richards, R. K. Metabolism of S³⁵ thiopental. Chemical and paper chromatographic studies of S³⁵ excretion by the rat and monkey, 93
- Taylor, J. D., Richards, R. K., and Tabern, D. L. Metabolism of S³⁵ thiopental. Chemical and paper chromatographic studies of S³⁵ excretion by the rat and monkey, 93
- Tetracaine, 2-alkoxy analogs of, 40
- Thallium, toxicity of, to chick embryo, 176
- Thiantoin, effect of nephrectomy and liver injury on action of, 309
- Thiersch, J. B., Bendich, A., and Philips, F. S. Adenine intoxication in relation to *in vivo* formation and deposition of 2,8-dioxyadenine in renal tubules, 20
- Thiopental, metabolism of, *in vitro* by cell-free preparation, 427
metabolism of, labeled with S³⁵, 93
- Tobacco, smoking, absorption of nicotine in, 162
- Toluidine blue, effects of, on isolated heart, 416
- Trasentine, antispasmodic action of, 269
- d-Tubocurarine, effects of, on respiration, and antagonism by potassium, 149
- Unna, K. R., and Pelikan, E. W. Functional importance of the quaternary nitrogen atoms in 1,2,3-tris(diethylaminoethoxy)-benzene triethiodide (Flaxedil), 354
- Uranium²³³, metabolism of, in mice, 459
- Veratrum, derivatives of, emetic properties of, 76
derivatives, respiratory effects of, 67
- Walker, H. A., Wilson, S., Farrar, C., and Richardson, A. P. Reflex respiratory and circulatory actions of some cinchoninic acid derivatives and a number of unrelated compounds, 211
- Wang, C. Y., Nickerson, M., and Harvey, S. Blockade of epinephrine-induced hyperglycemia, 363
- Warburg apparatus, in determination of solubility of compounds in oils, 325
- Way, E. L., and Herbert, W. C. Effect of sodium pentobarbital on the toxicity of certain antihistamines, 115
- , Plotnikoff, N. P., and Elliott, H. W. Metabolism of N-C¹⁴H-labeled meperidine, 377
- Weaver, L. C., Goodman, L. S., and Swinyard, E. A. Effect of liver injury and nephrectomy on the anticonvulsant activity of clinically useful hydantoins, 309
- Wedd, A. M., and Blair, H. A. Action of acetyl-strophanthidin on heart muscle, 334
- Weeks, J. R., and Chenoweth, M. B. Stationary manometric respirometer for isolated rat diaphragm allowing simultaneous direct registration of mechanical activity. Observations with sodium azide and dinitrophenol, 187
- White, M. R., and Schubert, J. Action of salts of zirconium and other metals on plutonium and yttrium distribution and excretion, 317
- Wilson, S., see Walker, H. A., 211
- Wolf, L. M., Glazko, A. J., and Dill, W. A. Observations on the metabolic disposition of chloramphenicol in the rat, 452
- Woodbury, L. A., Hecht, H. H., and Fingl, E. Effects of innervation and drugs upon direct membrane potentials of embryonic chick myocardium, 103
- Yttrium, excretion and distribution of, action of Zr and other metals on, 317
- Zauder, H. L. Effect of prolonged morphine administration on the *in vivo* and *in vitro* conjugation of morphine by rats, 11
- Zirconium, action of, on excretion and distribution of plutonium and yttrium, 317