

## INDEX

Abel, John Jacob, obituary .....	373
Addiction characteristics of dihydromorphine, dihydrodesoxymorphine-D, dihydrodesoxycodine-D, and methyldihydromorphinone .....	239
Adrenal cortex, purified extracts of, Comparative activity of desoxycortico- sterone and other crystalline derivatives and .....	257
Alkyl nitrites. III. Pharmacologic study of new series of organic nitrates ..	187
— nitrites. IV. Pharmacology of isomannide dinitrate .....	191
Amines, sympathomimetic, Action of, on cyclopropane, ether and chloroform anesthesia .....	1
—, sympathomimetic, Analeptic potency of .....	56
Analeptic drugs, Effect of, on hibernation in thirteen-lined ground squirrel ..	307
Analeptics, Quantitative comparison of different .....	153
Anemia, Production of, in white mice, by sulfanilamide, sulfapyridine and diaminodiphenylsulfone .....	429
Anesthetics, sedatives and narcotics, Effect of, on changes in body water of frogs produced by pituitrin .....	313
Autonomic synapses, Electrical studies on pharmacology of .....	321
Barbituric acid derivatives, Method for determination of, in tissues and body fluids .....	71
Blood concentration in morphine addicts .....	290
— level and action of paraldehyde, Effect of liver damage on .....	299
Bodansky, M., Levine, Harry, and Gilbert, A. J. Effect of liver damage on blood level and action of paraldehyde .....	299
Boyd, Eldon M., Clark, K. J., and Smith, Austin E. Effect of sedatives, narcotics and anesthetics on changes in body water of frogs produced by pituitrin .....	313
Brewer, George, and Larson, P. S. Mechanism of the depression of serum potassium by anesthetics .....	147
Burke, J. C., and McIntyre, A. R. Nicotinic acid and the vitamin B complex in insulin tolerance .....	142
Calcium ions necessary to synaptic transmission in parasympathetic, not in sympathetic, ganglia .....	341
Cardiac slowing by digitalis, Physiological adaptations in, and their bearing on problems of digitalization in patients with auricular fibrillation .....	224
Carr, C. Jelleff, Forman, Sylvan, Ellis, Fred W., and Krantz, John C., Jr. Alkyl nitrites. III. Pharmacologic study of new series of organic nitrates .....	187
—, Forman, Sylvan E., Ellis, Fred W., and Krantz, John C., Jr. Alkyl nitrites. IV. Pharmacology of isomannide dinitrate .....	191

Chakravarti, M. Quantitative comparison of different analeptics.....	153
Chen, K. K., and Powell, H. M. Action of sulfapyridine.....	79
Chloroform, cyclopropane and ether anesthesia, Action of sympathomimetic amines on.....	1
Clark, K. J., Smith, Austin E., and Boyd, Eldon M. Effect of sedatives, narcotics and anesthetics on changes in body water of frogs produced by pituitrin.....	313
Climenko, D. R., Crossley, M. L., and Northey, E. H. Influence of disulfanilamide on experimental influenza infections.....	201
Codeine, morphine and their derivatives, Studies of.....	127
Crossley, M. L., Northey, E. H., and Climenko, D. R. Influence of disulfanilamide on experimental influenza infections.....	201
Cyclopropane, ether and chloroform anesthesia, Action of sympathomimetic amines on.....	1
Desoxycorticosterone, Comparative activity of, and other crystalline derivatives and of purified extracts of adrenal cortex.....	
	257
Detoxication by finely dispersed oil-in-water emulsions and their intravenous use.....	476
Deuterium oxide, action of, on central nervous system.....	265
Diaminodiphenylsulfone, sulfanilamide and sulfapyridine, Production of anemia in white mice by.....	429
Digilanid C, Effects of, in varying dosage on potassium and water content of rabbit heart muscle.....	50
Digitalis, cardiac slowing by, Physiological adaptations in, and their bearing on problems of digitalization in patients with auricular fibrillation.....	224
Dille, James M., and Duff, Dorothea M. Distribution and rate of elimination of picrotoxin.....	353
— and Hazleton, Lloyd W. Depressant action of picrotoxin and metrazol.....	276
—, Tainter, M. L., and Whitsell, L. J. Analeptic potency of sympathomimetic amines.....	56
2,4-Dinitrophenylmorphine.....	127
Disulfanilamide, Influence of, on experimental influenza infections.....	201
Duff, Dorothea M., and Dille, James M. Distribution and rate of elimination of picrotoxin.....	353
Eddy, Nathan B., and Sumwalt, Margaret. Studies of morphine, codeine and their derivatives. XV. 2,4-Dinitrophenylmorphine.....	127
Ellis, Fred W., Krantz, John C., Jr., Carr, C. Jelleff, and Forman, Sylvan. Alkyl nitrites. III. Pharmacologic study of new series of organic nitrates.....	187
—, Krantz, John C., Jr., Carr, C. Jelleff, and Forman, Sylvan E. Alkyl nitrites. IV. Pharmacology of isomannide dinitrate.....	191
Emulsions, finely dispersed oil-in-water, Detoxication by, and their intravenous use.....	476
Ephedrine, Action of, analyzed by study of its central sympathetic and ganglionic effects.....	321
Ergot and ergotamine, fluidextract of, on emptying time of human stomach.....	250

Ether, chloroform and cyclopropane anesthesia, Action of sympathomimetic amines on.....	1
Fitzhugh, Garth O. Effect of vitamin B <sub>1</sub> on morphine abstinence symptoms.....	423
Forman, Sylvan, Ellis, Fred W., Krantz, John C., Jr., and Carr, Jelleff C. Alkyl nitrites. III. Pharmacologic study of new series of organic nitrates.....	187
—, Ellis, Fred W., Krantz, John C., Jr., and Carr, C. Jelleff. Alkyl nitrites. IV. Pharmacology of isomannide dinitrate.....	191
Foster, Mark A., Slight, David, and Pfeiffer, Carl. Effect of analeptic drugs on hibernation in thirteen-lined ground squirrel.....	307
Fox, Theodore, Gold, Harry, Kwit, Nathaniel T., and Otto, Harold. Physiological adaptations in cardiac slowing by digitalis and their bearing on problems of digitalization in patients with auricular fibrillation.....	224
Frazer, A. C., and Walsh, V. G. Detoxication by finely dispersed oil-in-water emulsions and their intravenous use.....	476
Gilbert, A. J., Bodansky, M., and Levine, Harry. Effect of liver damage on blood level and action of paraldehyde.....	299
Globin insulin, Hypoglycemic activity of.....	330
Glycol, propylene, and some other glycols, General metabolic and glycogenic actions of.....	114
—, propylene, and some other glycols, Toxicity, fate and excretion of.....	101
Gold, Harry, Kwit, Nathaniel T., Otto, Harold, and Fox, Theodore. Physiological adaptations in cardiac slowing by digitalis and their bearing on problems of digitalization in patients with auricular fibrillation.....	224
Gortner, Ross A., Jr., and Lewis, Howard B. Retention and excretion of selenium after administration of sodium selenite to white rats.....	358
Grollman, Arthur. Comparative activity of desoxycorticosterone and other crystalline derivatives and of purified extracts of adrenal cortex.....	257
Hagen, Paul S. Effects of digilanid C in varying dosage on potassium and water content of rabbit heart muscle.....	50
Hanzlik, P. J., Lehman, A. J., van Winkle, W., Jr., and Kennedy, N. K. General metabolic and glycogenic actions of propylene glycol and some other glycols.....	114
—, Newman, H. W., van Winkle, W., Jr., Lehman, A. J., and Kennedy, N. K. Toxicity, fate and excretion of propylene glycol and some other glycols.....	101
Hazleton, Lloyd W., and Dille, James M. Depressant action of picrotoxin and metrazol.....	276
Heart muscle, rabbit, potassium and water content of, Effect of digilanid C on.....	50
Herrmann, Julian B. Pharmacological action of deuterium oxide. VIII. Action on central nervous system.....	265
Hibernation in thirteen-lined ground squirrel, Effect of analeptic drugs on..	307
Himmelsbach, C. K. Studies of certain addiction characteristics of dihydromorphine, dihydrodesoxymorphine-D, dihydrodesoxycodine-D and methyl dihydromorphinone.....	239

- Influenza infections, experimental, Influence of disulfanilamide on..... 201
- Insulin, globin, Hypoglycemic activity of..... 330
- tolerance, Nicotinic acid and vitamin B complex in..... 142
- Isomannide dinitrate, Pharmacology of..... 191
- Katz, L. N., and Rodbard, S. Integration of vasomotor responses in liver with those in other systemic vessels..... 407
- Kennedy, N. K., Hanzlik, P. J., Lehman, A. J., and van Winkle, W., Jr. General metabolic and glycogenic actions of propylene glycol and some other glycols..... 114
- , Hanzlik, P. J., Newman, H. W., van Winkle, W., Jr., and Lehman, A. J. Toxicity, fate and excretion of propylene glycol and some other glycols.. 101
- Kozelka, F. L., Nelson, D. E., and Tatum, H. J. Method for determination of barbituric acid derivatives in tissues and body fluids..... 71
- Krantz, John C., Jr., Carr, C. Jelleff, Forman, Sylvan, and Ellis, Fred W. Alkyl nitrites. III. Pharmacologic study of new series of organic nitrates..... 187
- , Carr, C. Jelleff, Forman, Sylvan E., and Ellis, Fred W. Alkyl nitrites. IV. Pharmacology of isomannide dinitrate..... 191
- Kwit, Nathaniel T., Otto, Harold, Fox, Theodore, and Gold, Harry. Physiological adaptations in cardiac slowing by digitalis and their bearing on problems of digitalization in patients with auricular fibrillation..... 224
- Lang, E. H., Reiner, L., and Searle, D. S. Hypoglycemic activity of globin insulin..... 330
- Larson, Edward. Fate of injected oxytocic principle of posterior pituitary in anesthetized dogs and cats..... 175
- Larson, P. S., and Brewer, George. Mechanism of the depression of serum potassium by anesthetics..... 147
- Lehman, A. J., van Winkle, W., Jr., Kennedy, N. K., and Hanzlik, P. J. General metabolic and glycogenic actions of propylene glycol and some other glycols..... 114
- , Kennedy, N. K., Hanzlik, P. J., Newman, H. W., and van Winkle, W., Jr. Toxicity, fate and excretion of propylene glycol and some other glycols..... 101
- Leigh, M. D., Mellish, C. H., Stutzman, J. W., and Orth, O. S. Action of sympathomimetic amines in cyclopropane, ether and chloroform anesthesia..... 1
- Levine, Harry, Gilbert, A. J., and Bodansky, M. Effect of liver damage on blood level and action of paraldehyde..... 299
- Lewis, Howard B., and Gortner, Ross A., Jr. Retention and excretion of selenium after administration of sodium selenite to white rats..... 358
- Litchfield, J. T., Jr. Effects of sulfanilamide on lower vertebrates..... 212
- and Marshall, E. K., Jr. Some aspects of pharmacology of sulfapyridine. 454
- , White, H. J., and Marshall, E. K., Jr. Experimental basis for method for quantitative evaluation of effectiveness of chemotherapeutic agents against streptococcus infection in mice..... 437
- Liver damage, Effect of, on blood level and action of paraldehyde..... 299

Liver damage, Integration of vasomotor responses in, with those in other systemic vessels .....	407
Marrazzi, Amedeo S. Electrical studies on pharmacology of autonomic synapses. III. Action of ephedrine analyzed by study of its sympathetic central and ganglionic effects .....	321
Marshall, E. K., Jr., and Litchfield, J. T., Jr. Some aspects of pharmacology of sulfapyridine .....	454
—, Litchfield, J. T., Jr., and White, H. J. Experimental basis for method for quantitative evaluation of effectiveness of chemotherapeutic agents against streptococcus infection in mice .....	437
McIntyre, A. R., and Burke, J. C. Nicotinic acid and the vitamin B complex in insulin tolerance .....	142
Mellish, C. H., Stutzman, J. W., Orth, O. S., and Leigh, M. D. Action of sympathomimetic amines on cyclopropane, ether and chloroform anesthesia .....	1
Metrazol and picrotoxin, Depressant action of .....	276
Morphine abstinence symptoms, Effect of vitamin B <sub>1</sub> on .....	423
— addicts, Blood concentration in .....	290
—, codeine and their derivatives, Studies of .....	127
Narcotics, anesthetics and sedatives, Effect of, on changes in body water of frogs produced by pituitrin .....	313
Nelson, D. E., Tatum, H. J., and Kozelka, F. L. Method for determination of barbituric acid derivatives in tissues and body fluids .....	71
Newman, H. W., van Winkle, W., Jr., Lehman, A. J., Kennedy, N. K., and Hanzlik, P. J. Toxicity, fate and excretion of propylene glycol and some other glycols .....	101
Nicotinic acid and the vitamin B complex in insulin tolerance .....	142
Nitrates, organic, Pharmacologic study of new series of .....	187
Northey, E. H., Climenko, D. R., and Crossley, M. L. Influence of disulfanilamide on experimental influenza infections .....	201
Orth, O. S., Leigh, M. D., Mellish, C. H., and Stutzman, J. W. Action of sympathomimetic amines in cyclopropane, ether and chloroform anesthesia .....	1
Otto, Harold, Fox, Theodore, Gold, Harry, and Kwit, Nathaniel T. Physiological adaptations in cardiac slowing by digitalis and their bearing on problems of digitalization in patients with auricular fibrillation .....	224
Oxytocic principle of posterior pituitary, Fate of, injected in anesthetized dogs and cats .....	175
Paraldehyde, action of, Effect of liver damage on .....	299
Pfeiffer, Carl, Foster, Mark A., and Slight, David. Effect of analeptic drugs on hibernation in thirteen-lined ground squirrel .....	307
Picrotoxin and metrazol, Depressant action of .....	276
—, Distribution and rate of elimination of .....	353

Pituitrin, Effect of sedatives, narcotics and anesthetics on changes in body water of frogs produced by .....	313
Plant, Oscar Henry, obituary .....	365
Potassium and water content of rabbit heart muscle, Effects of digilanid C on ..	50
Powell, H. M., and Chen, K. K. Action of sulfapyridine .....	79
Propylene glycol and some other glycols, General metabolic and glycogenic actions of .....	114
— glycol and some other glycols, Toxicity, fate and excretion of .....	101
 Reiner, L., Searle, D. S., and Lang, E. H. Hypoglycemic activity of globin insulin .....	330
Richardson, Arthur P. Production of anemia in white mice by sulfanilamide, sulfapyridine and diaminodiphenylsulfone .....	429
Rodbard, S., and Katz, L. N. Integration of vasomotor responses in liver with those in other systemic vessels .....	407
 Searle, D. S., Lang, E. H., and Reiner, L. Hypoglycemic activity of globin insulin .....	330
Sedatives, narcotics and anesthetics, Effect of, on changes in body water of frogs produced by pituitrin .....	313
Seifter, Joseph, and Sollman, Torald. Pharmacology of trimethyl bismuth. ..	17
Selenium, Retention and excretion of, after administration of sodium selenite to white rats .....	358
Serum potassium, Mechanism of the depression of, by anesthetics .....	147
Shafer, George D. Calcium ions necessary to synaptic transmission in parasympathetic, not in sympathetic, ganglia .....	341
Sleeth, Clark K., van Liere, Edward J. Effect of fluid extract of ergot and ergotamine on emptying time of human stomach .....	250
Slight, David, Pfeiffer, Carl, and Foster, Mark A. Effect of analeptic drugs on hibernation in thirteen-lined ground squirrel .....	307
Smith, Austin E., Boyd, Eldon M., and Clark, K. J. Effect of sedatives, narcotics and anesthetics on changes in body water of frogs produced by pituitrin .....	313
Sollman, Torald, and Seifter, Joseph. Pharmacology of trimethyl bismuth. ..	17
Stomach, human, emptying time of, Effect of ergot and ergotamine on .....	250
Streptococcus infection in mice, quantitative evaluation of effectiveness of of chemotherapeutic agents against .....	437
Stutzman, J. W., Orth, O. S., Leigh, M. D., and Mellish, C. H. Action of sympathomimetic amines on cyclopropane, ether and chloroform anesthesia .....	1
Sulfanilamide, Effects of, on lower vertebrates .....	212
—, sulfapyridine and diaminodiphenylsulfone, Production of anemia in white mice by .....	429
Sulfapyridine, Action of .....	79
—, diaminodiphenylsulfone and sulfanilamide, Production of anemia in white mice by .....	429
—, Pharmacology of .....	454

Sumwalt, Margaret, and Eddy, Nathan B. Studies of morphine, codeine and their derivatives. XV. 2,4-Dinitrophenylmorphine.....	127
Sympathomimetic amines, Action of, on cyclopropane, ether and chloroform anesthesia.....	1
— amines, Analeptic potency of.....	56
Synapses, autonomic, Electrical studies on pharmacology of.....	321
Synaptic transmission in parasympathetic, not in sympathetic, ganglia, Calcium ions necessary to.....	341
Tainter, M. L., Whitsell, L. J., and Dille, J. M. Analeptic potency of sympathomimetic amines.....	56
Tatum, H. J., Kozelka, F. L., and Nelson, D. E. Method for determination of barbituric acid derivatives in tissues and body fluids.....	71
Trimethyl bismuth, Pharmacology of.....	17
Van Liere, Edward J., and Sleeth, Clark K. Effect of fluidextract of ergot and ergotamine on emptying time of human stomach.....	250
Van Winkle, W., Jr., Kennedy, N. K., Hanzlik, P. J., and Lehman, A. J. General metabolic and glycogenic actions of propylene glycol and some other glycols.....	114
— Lehman, A. J., Kennedy, N. K., Hanzlik, P. J., and Newman, H. W. Toxicity, fate and excretion of propylene glycol and some other glycols..	101
Vasomotor responses, Integration of, in liver with those in other systemic vessels.....	407
Vitamin B complex and Nicotinic acid in insulin tolerance.....	142
— B <sub>1</sub> , effect of, on morphine abstinence symptoms.....	423
Walsh, V. G., and Frazer, A. C. Detoxication by finely dispersed oil-in-water emulsions and their intravenous use.....	476
Water and potassium content of rabbit heart muscle, Effect of digilanid C on.	50
White, H. J., Marshall, E. K., Jr., and Litchfield, J. T., Jr. Experimental basis for method for quantitative evaluation of effectiveness of chemotherapeutic agents against streptococcus infection in mice.....	437
Whitsell, L. J., Dille, J. M., and Tainter, M. L. Analeptic potency of sympathomimetic amines.....	56
Williams, Edwin G. Blood concentration in morphine addicts.....	290