

CONTENTS

NUMBER 1, JANUARY, 1953

I. The Pharmacology of No. 48-80, a Long-Acting Vasodepressor Drug. Peter B. Dews, A. Lloyd Wnuck, R. V. Fanelli, Amos E. Light, John A. Tornaben, Stata Norton, C. H. Ellis and Edwin J. De Beer.....	1
II. Studies on the Relationship of Metabolic Fate and Hormonal Effects of d,l-Methadone to the Development of Drug Tolerance. Chen-Yü Sung, E. Leong Way and Kenneth G. Scott.....	12
III. The Action of Cardiac Glycosides on the Refractory Period of Heart Tissues. Rafael Mendez and Carlos Mendez.....	24
IV. The Histochemical Localization of Acetylcholinesterase in Nervous Tissue. Herbert A. Ravin, Sumner I. Zacks and Arnold M. Seligman.....	37
V. l-Arginine Monohydrochloride as an Acid-Forming Salt. Ranita Aiman and Douglas S. Riggs.....	54
VI. The Antimalarial Properties of 2,4-Diamino-5-p-Chlorophenyl-6-Ethylpyrimidine (Daraprim). L. H. Schmidt and Clara S. Genter.....	61
VII. The Pharmacological Properties of 2,4-Diamino-5-p-Chlorophenyl-6-Ethylpyrimidine (Daraprim). L. H. Schmidt, Hettie B. Hughes and Ida G. Schmidt.....	92

NUMBER 2, FEBRUARY, 1953

VIII. Seasonal Variation in Response to Ouabain. K. K. Chen, Francis G. Henderson and E. Brown Robbins.....	131
IX. The Effect of Procaine Amide on Excitability, Refractoriness and Conduction in the Mammalian Heart. Harry Woske, Julius Belford, F. N. Fastier and Chandler McC. Brooks.....	134
X. Cardiovascular Stimulation and Gut Depression During High Spinal Anesthesia in Dogs Without Pre-Medication. James A. Richardson and Robert P. Walton.....	141
XI. Action of Analgesic Drugs (Morphine, Meperidine, Methadone) on Rotary Nystagmus in the Rabbit. V. G. Longo and L. Napolitano.....	154
XII. The Effects of Ovarian Extracts upon Activity of the Guinea Pig Uterus <i>In Situ</i> . Lloyd C. Felton, Edward H. Frieden and Harold H. Bryant....	160
XIII. Effects of Frequency of Stimulation on the Paralyzing Dose of Neuromuscular Blocking Agents. James B. Preston and E. F. Van Maanen....	165
XIV. A Comparative Study of the Effect of a Series of Aromatic Acids on the Ascorbic Acid Content of the Adrenal Gland. Julius Lowenthal and Louis B. Jaques.....	172
XV. Distribution and Excretion of Radioactive Thallium in the Chick Embryo, Rat, and Man. Ralph K. Barclay, Wendell C. Peacock and David A. Karnofsky.....	178
XVI. Binding of Dihydro- β -Erythroidine by a Constituent of Blood Plasma. L. B. Kirschner and W. E. Stone.....	188
XVII. Ammonium Ion Content and Electrical Activity of the Brain During the Preconvulsive Phases Induced by Various Convulsants. Clara Torda....	197
XVIII. Effects of Epinephrine and Norepinephrine on Electrically Induced Seizures. Bruno Minz and Edward F. Domino.....	204
XIX. Absorption, Distribution and Excretion of Isoniazid (Nydrazid) in the Dog. Bernard Rubin and John C. Burke.....	219
XX. The Behavior of the Tryptamine Derivative of Strophanthidin in Man. Harold L. Otto, Theodore Greiner, Harry Gold, Frank Palumbo, Leon Warshaw, Nathaniel T. Kwit and K. K. Chen.....	225

XXI. Chemotherapeutic Activity of Nucleic Acids and High Protein Diets Against the Infection Caused by the MM Virus in Mice. Thomas B. O'Dell, Harold N. Wright and Raymond N. Bieter.....	232
XXII. The Absorption and Excretion of Dromoran. A. L. Fisher and J. P. Long..	241
XXIII. The Analeptic Action of 1-n-Butylamino-3-p-Toluidino-2-Propanol (W181) in Mephenesin Paralysis. F. M. Berger.....	250
NUMBER 3, MARCH, 1953	
XXIV. Isolation of an Epoxide Metabolite from Fat Tissues of Dogs Fed Heptachlor. Bernard Davidow and Jack L. Radomski.....	259
XXV. The Metabolite of Heptachlor, its Estimation, Storage, and Toxicity. Jack L. Radomski and Bernard Davidow.....	266
XXVI. Comparative Assay of Antiepileptic Drugs by "Psychomotor" Seizure Test and Minimal Electroshock Threshold Test. W. C. Brown, D. O. Schiffman, E. A. Swinyard and L. S. Goodman.....	273
XXVII. Responses to Sympathomimetic Amines after Dibenamine Blockade. Mark Nickerson and George M. Nomaguchi.....	284
XXVIII. Blockade of Responses to Epinephrine and Norepinephrine by Dibenamine Congeners. Mark Nickerson, James W. Henry and George M. Nomaguchi.	300
XXIX. A Preliminary Study of the Anthelmintic Activity of Cyanine Dye #715 in Dogs. Donald R. Hales and Arnold D. Welch.....	310
XXX. Antioxyrid Activity, Toxicology and Pathology in Laboratory Animals of a Cyanine Dye [6-Dimethylamino-2-(2-[2,5-Dimethyl-1-Phenyl-3-Pyrryl]Vinyl)-1-Methyl-Quinolinium Chloride]. J. K. Weston, P. E. Thompson, J. W. Reinertson, R. A. Fiske and T. F. Reutner.....	315
XXXI. Effect of Mercurial Diuretics upon the Respiration of the Rat Heart and Kidney. IV. The Inhibition of the Succinic Dehydrogenase Activity of the Rat Heart by Mercurhydrin and the Protective Action of Some Sulfhydryl Compounds. Arthur Ruskin and Belle Ruskin.....	325
XXXII. Comparative Physiological Actions of Some Alkane-Diamines. Gordon A. Alles, Charles H. Ellis and Mildred A. Redemann.....	332
XXXIII. Site of Action of 2,2-Diethyl 1,3-Propanediol (Prenderol) on the Central Nervous System. W. H. Funderburk and K. R. Unna.....	344
XXXIV. Pharmacological Properties of Benzazoles. II. Sites of Action in the Central Nervous System. W. H. Funderburk, E. E. King, E. F. Domino and K. R. Unna.....	356
XXXV. The Distribution and <i>In Vivo</i> Rate of Metabolism of Thiopental. F. E. Shideman, Thelma C. Gould, Wallace D. Winters, Robert C. Peterson and Warren K. Wilner.....	368
XXXVI. Anti-Ejaculatory Effect of Sympatholytic, Gangliolytic and Spasmolytic Drugs. S. Loewe and Susanne L. Puttuck.....	379
XXXVII. Synthetic Analgesics. II. Dithienylbutenyl- and Dithienylbutylamines. Nathan B. Eddy and Dorothy Leimbach.....	385
XXXVIII. Protective Effect of Thiouracil and Dibenamine Against Renal Injury Due to Choline Deficiency: Influence of Endocrine and Autonomic Systems. James H. Baxter.....	394
NUMBER 4, APRIL, 1953	
XXXIX. The Pharmacology of N-Benzyl- β -Chloropropionamide (Hibicon), a New Anticonvulsant. B. K. Harned, Raymond W. Cunningham, Mary C. Clark, Carolyn H. Hine, Margaret Meaney Kane, Frank H. Smith, Jr., R. E. Vessey, H. N. Yuda and F. W. Zabransky.....	403
XL. Nicotinolytic Drugs. II. Action of Adrenergic Blocking Agents on Nicotine-Induced Tremors. Raymond L. Cahen, Joan M. Thomas and Kristen M. Tvede.....	424

XLI. The Effects of Thiopental and Pentobarbital on Voluntary Muscle. Charles P. Kraatz, Melvyn I. Gluckman and H. L. Shields.....	437
XLII. Pharmacology of Vinyl Ethynyl Carbinols—A New Class of Central Nervous System Depressants. S. Y. P'an, J. F. Gardocki, M. Harfenist and A. Bavley.....	459
XLIII. Studies on the Toxicity and Pharmacological Actions of Symmetrical and Unsymmetrical Diethyl <i>Bis</i> (Dimethylamido) Pyrophosphate. Kenneth P. DuBois, John Doull, Arthur J. Okinaka and Julius M. Coon.....	464
XLIV. Effect of Alloxan on Liver Desoxyribosenucleic Acid (DNA). A. D. Bass, H. F. Diermeier, H. S. Di Stefano and E. J. Cafruny.....	478
XLV. Correlation between Pharmacological Responses to Benzoylcholine, Methacholine and Acetylcholine and Activity of Cholinesterases. Theodore Koppanyi, Alexander G. Karczmar and Guy C. Sheatz.....	482
XLVI. Further Studies on Intravenously Injected Cholinesterase Preparations. Alexander G. Karczmar, Theodore Koppanyi and Guy C. Sheatz.....	501
XLVII. The Fate of Caffeine in Man and a Method for Its Estimation in Biological Material. Julius Axelrod and Jules Reichenthal.....	519
XLVIII. Actions and Addiction Liabilities of Dromoran Derivatives in Man. Harris Isbell and H. F. Fraser.....	524
XLIX. Index.....	531