CONTENTS

NUMBER 1, MAY, 1942

I. The Anti-Histamine Activity of Thymoxyethyl-diethylamine and n’Ethyl-n’Diethylaminoethylaniline as Judged by the Gastric Response to Histamine. Howard B. Burchell and Richard L. Varco .............................................................. 1

II. A Comparison of the Effects of Epinephrine on Blood Pressure when Injected into a Vein and when Injected into the Marrow Cavities of Bone. Miles E. Drake and Charles M. Gruber .......................................................... 6

III. The Stimulating Influence of Sodium Citrate on Cellular Regeneration and Repair in the Kidney Injured by Uranium Nitrate. G. L. Donnelly and Russell L. Holman ........................................................................................................ 11

IV. The Effect of Some Anaesthetic Agents on the Volume of Body Fluid. D. D. Bonycastle ......................................................... 18

V. Anesthesia. VI. The Anesthetic Action of Cyclopropyl Vinyl Ether. John C. Krantz, Jr., William E. Evans, Jr., Sylvan E. Forman and Henry L. Wollenweber .......................................................... 30


VII. The Effect of Papaverine, Epinephrine and Quinidine on the Fibrillation Threshold of the Mammalian Ventricles. René Wégría and Neil D. Nickerson ........................................................................................................ 50

VIII. Influence of Temperature on the Stimulation of Oxygen Consumption of Isolated Brain and Kidney by 2-4 Dinitrophenol. Frederick A. Fuhrman and John Field 2d ........................................................................................................ 58

IX. Studies of the Addiction Liability of “Demerol” (D-140). C. K. Himmelsbach ............................................................................................ 64

X. The Action of Senecionine, Integerrimine, Jacobine, Longilobine, and Spar-tioidine, Especially on the Liver. Paul N. Harris, Robert C. Anderson and K. K. Chen .................................................................................................................. 69

XI. The Action of Monocrotaline and Retronecine. Paul N. Harris, Robert C. Anderson and K. K. Chen .............................. 78

XII. The Action of Isatidine, Pterophine, and Sceleratine. Paul N. Harris, Robert C. Anderson and K. K. Chen .................. 83

XIII. Sulfonamide Therapy of Malaria in Ducks. E. K. Marshall, Jr., J. T. Litchfield, Jr., and H. J. White ............................................. 89

NUMBER 2, JUNE, 1942


XV. Toxicity of Menadione, Menadiol and Esters. S. Ansbacher, Warren C. Corwin and B. G. H. Thomas ......................................................... 111

XVI. The Determination of Local Anesthetic-Potency by Observation of Nerve Action-Potentials. A. L. Bennett, J. C. Wagner and A. R. McIntyre .............................. 125


XVIII. Toxicology of the Synthetic Estrogen Diethylstilbestrol and Certain Related Compounds. R. S. Teague ........................................ 145

XIX. The Action of Certain Drugs on Crustacean Muscle. Frank P. Knowlton .............................. 154

XX. Studies of Morphine, Codeine and Their Derivatives. XVI. Clinical Studies of Morphine, Methyldihydro-Morphinone (Metopon) and Dihy-drodesoxy-Morphine-D (Desmorphine). Lyndon E. Lee, Jr. ............. 161

iii
XXI. A Uterine Principle from Viburnum Prunifolium. William E. Evans, Jr.,
William G. Harne and John C. Krantz, Jr. ........................................ 174
XXII. Further Observations on the Action of Drugs on Coronary Vessel Caliber.
Paredrine, Angiotonin, Renin, Quinidine, Insulin, Coramine, Magnesium Sulphate, Morphine, Acid and Alkali. Stephen R. Elek and L. N. Katz 178
XXIII. The Micro Determination of Quinine in Blood and Tissues. F. E. Kelsey
and E. M. K. Gelling ................................................................. 183

NUMBER 3, JULY, 1942

XXIV. A. J. Clark, 1885-1941 ......................................................... 187
XXV. The Effect of Hookworm Damage on Levels of Quinine Attained in Blood
and Urine of Dogs Following Single Doses of Quinine Sulfate. James C.
Andrews and Bailey D. Webb .......................................................... 191
XXVI. A Method for the Bio-assay of Digitalis in Humans. Harry Gold, McKeen
Cattell, Harold L. Otto, Nathaniel T. Kwit and Milton L. Kramer ........ 196
XXVII. A Practical Technique and Design for the Assay of Digitalis on the Embry-
onic Chick Heart. Robert A. Lehman and George H. Paff ..................... 207
XXVIII. Effects of Cocaine and Sympathomimetic Amines on Humoral Transmission
of Sympathetic Nerve Actions. W. S. Lawrence, M. C. Morton and M.
L. Tainter ................................................................. 219
XXIX. Distribution of Exogenous Bromine in Cats after Treatment with Tribrom-
methanol, Tribromoacetaldehyde and Tribromoacetic Acid. G. A.
Emerson and James L. Morrison ..................................................... 226
XXX. A Toxicological Study of Succinyl Sulfathiazole. A. D. Welch, Paul A.
Mattis and Albert R. Latven ....................................................... 231
XXXI. Visceral Lesions Associated with Tribromethanol Administered Rectally.
A. H. Maloney ................................................................. 247
XXXII. The Action of Quinidine on the Cold Blooded Heart. A. M. Wedd, H. A.
Blair and R. E. Gosselin ................................................................ 251
XXXIII. A Study of the Synthesis of Hippuric Acid in the Rat after Liver Injury
from Carbon Tetrachloride. Gonzalo Montes, R. S. Teague and E. E.
Nelson ................................................................... 260
XXXIV. Studies of Synthetic Curare-like Compounds. I. Action of Some Quinine
and Other Quaternary Ammonium Derivatives. H. F. Chase and A. J.
Lehman ......................................................................... 265
XXXV. Studies on Synthetic Curare-like Compounds. II. Some Quantitative
Comparisons of Quinine Ethochloride Dihydrate, Quinine Methochloride
Dihydrate, Beta-Erythroidine Hydrochloride and Dihydro-beta-
Erythroidine Hydrobromide. A. J. Lehman, H. F. Chase and F. F.
Yonkman ................................................................. 270
XXXVI. An In-Vivo Method for the Evaluation of Germicidal Substances Used for
Skin Disinfection. Raymond W. Sarber ............................................ 277
XXXVII. The Effect of Muscle Extractives on the Perfused Heart. Nello Pace and
R. J. Main ................................................................. 283
XXXVIII. Pharmacological and Toxicological Studies on l-N-Ethylephedrine Hydro-
and R. S. Shelton ................................................................. 289
XXXIX. A Study of Some Beta-3, and 4, Pyridylalkylamines. William H. Hunt
and Russel J. Fosbinder ............................................................. 299
XL. The Effect of Various Pharmacological Agents on the Morphogenetic Ac-
tions of Estradiol. S. Albert and H. Selye ........................................ 308
XLI. Bronchial Antispasmodic Actions of Theophylline Derivatives, Including
Effects of Continued Administration. F. P. Luduena, M.D. ............... 316
XLII. The Deacetylation of Heroin and Related Compounds by Mammalian
Tissues. C. I. Wright ................................................................. 328
XLIII. The Development of Tolerance to Demerol.  H. L. Andrews.............. 338
XLIV. A Comparison of the Official and the Chicken Methods for the Oxytocic
Bioassay of Posterior Pituitary Preparations.  R. Blackwell Smith, Jr. 342
XLV. The Gastro-Intestinal Absorption of Lanatoside C.  James M. Dille and
George B. Whatmore.................................................. 350
XLVI. Studies on Sulfonamide-Resistant Organisms.  II. Comparative Devel-
opment of Resistance to Different Sulfonamides by Pneumococci.  Clara
L. Sesler and L. H. Schmidt............................................. 356
XLVII. A Study of the Comparative Toxic Effects of Morphine on the Fetal, New-
born and Adult Rats.  Annette Chesler, Giles C. LaBelle, and Harold
E. Himwich................................................................. 363
XLVIII. The Therapeutic Effects of Repeated Subcurative Doses of Mapharsen on
T. Equiperdum Infections in the Rat.  Ewart A. Swinyard, Arthur D.
Hirschfelder and Harold N. Wright................................. 367