## **CONTENTS**

| ORIGINAL ARTICLES  |     |
|--|-----|
| Physiologic Reactions During Profound Hypothermia with Cardioplegia. C. R. Stephen, Sara J. Dent, K. D. Hall and W. W. Smith   | 873 |
| Pulmonary Function During Spinal Anesthesia: The Mechanism of Cough Depression. Lawrence D. Egbert, Kamil Tamersoy and Thomas C. Deas  | 882 |
| Anesthesia for the Asthmatic Patient. S. M. Shnider and E. M. Papper   | 886 |
| Convulsive Phenomena in Hyperthermic Dogs During Anesthesia.  Charles Pittinger, Clifford Mitchell, Fernando Aleu and Wesley Page  | 893 |
| Potentiation of Succinylcholine by Procaine. Alejandro Stilmann Salgado  | 897 |
| <br>Cyclic Variations in Blood Oxygenation with the Respiratory Cycle.  Norman A. Bergman  | 900 |
| Pituitary Blockade by Meperidine in Man. Yong Hyon Han and Elwyn S. Brown  | 909 |
| The Chronotropic and Inotropic Effects of Halothane. A Comparison of Effects in Normal and Chronically Cardiac Denervated Dogs. Dean H. Morrow, Thomas E. Gaffney and John E. Holman                       | 915 |
| Synoptic Interpretation of Continuous ECG and EEG in Anesthetic Emergencies. Kurt O. Leonhardt   | 918 |
| Relationship Between Sympathomimetic Amines and Methylxanthines Inducing Cardiac Arrhythmias. I. Ueda, R. W. Loehning and H. Ueyama  | 926 |
| Steroid and Antihistaminic Therapy for Post Intubation Subglottic Edema in Infants and Children. Margery V. Deming and Steffen R. Oech   | 933 |
| Operant Behavior During Anesthesia Recovery: A Continuous and Objective Method. Ogden R. Lindsley, John H. Hobika and Benjamin E. Etsten   | 937 |
| Effects of Intravenously Administered Succinyldicholine on Cardiac Rate, Rhythm, and Arterial Blood Pressure in Anesthetized Man. C. H. Williams, S. Deutsch, H. W. Linde, J. W. Bullough and R. D. Dripps | 947 |
| Effects of Surgical Pneumothorax on Pulmonary Ventilation. John J. Bonica, Joseph F. Wilson, David N. Goodson, Thomas Q. Ziegler, Thomas O. Murphy, John J. Downes and John Takamura                       | 955 |
| (Continued on a  | 4   |

(Continued from page 2)

## **CONTENTS**

| A Comparison of Atropine, or Scopolamine, Plus Pentobarbital, Meperidine, or Morphine as Pediatric Preanesthetic Medication. Edmond I. Eger, Edelle D. Kraft and Hugh H. Keasling   | 962  |
|---|------|
| Electronarcosis by Combination of Direct and Alternating Current.  2. Effects on Dog Brain as Shown by EEG and Microscopic Study.  R. H. Smith, Z. W. Gramling, G. W. Smith and P. P. Volpitto  | 970  |
| The Effect of Digoxin Pretreatment on Heart Contractile Force During Thiopental Infusion in Dogs. Alan H. Goldberg, Harriet M. Maling and Thomas E. Gaffney   | 974  |
| Interactions of Inert Anesthetic Gases with Proteins. R. M. Feather-<br>stone, C. A. Muehlbaecher, F. L. DeBon and J. A. Forsaith   | 977  |
| The Cardiovascular Effects of Halothane. John E. Mahaffey, Earl E.  Aldinger, James H. Sprouse, Thomas D. Darby and Wendell B.  |      |
| Thrower   | 982  |
| Pharmacologic and Clinical Observations with Mepivacaine. Paul R. Knox, William C. North and C. R. Stephen  | 987  |
| REVIEW ARTICLE  |      |
| The Accidental Intra-Arterial Injection of Thiopental. Hrant H. Stone and Celeste C. Donnelly   | 995  |
| EDITORIALS  |      |
| The Physician and Malpractice Suits. Carl E. Wasmuth  | 1007 |
| Tubular and Peripheral Vision in the Practice of Anesthesia.  Stuart C. Cullen  | 1008 |
| CURRENT COMMENT   |      |
| Radio Telemetry in Patient Monitoring, 1010—Efficacy of Oxygen Administration, 1013—Meperidine and Propiomazine for Preanesthetic Medication, 1013. Gadgets.—New Vaporizer for Volatile Agents, 1014—A Simple Apparatus for Administration of Halothane, 1017—Cardiac Arrest Board, 1018—Epidural Needle, 1018—Radiation Protection, 1019. Correspondence.—Fluothane-Ether Mixtures, 1020—Correction, 1021. |      |
| THE ANESTHESIOLOGIST'S BOOKSHELF  | 1022 |
| BRIEFS FROM THE LITERATURE  | 1027 |