

CONTENTS

The Concentration of Pontocaine Hydrochloride in the Cerebrospinal Fluid During Spinal Anesthesia, and the Influence of Epinephrine in Prolonging the Sensory Anesthetic Effect. J. GERARD CONVERSE, C. M. LANDMESSER, and M. H. HARMEL	1
The Cardiovascular Effects of Continuous Intravenous Infusion of Norepinephrine, Epinephrine and Neosynephrine During Cyclopropane and Ether Anesthesia in the Dog. RALPH A. DETERLING, JR., S. H. NGAI, JOHN H. LARAGH, and E. M. PAPPER	11
The Central Nervous System and Anesthesia. RALPH R. SONNENSCHNEIN	19
Studies with Transtracheal Artificial Respiration. J. PORTER REED, J. P. KEMPH, W. HAMELBERG, F. A. HITCHCOCK, and JAY JACOBY	28
Succinylcholine: A Case Report and Experimental Study. DONN L. SMITH, and ROBERT W. VIRTUE	42
The Effect of Ether on Cyclopropane-Epinephrine Arrhythmias. E. M. GREISHEIMER, M. J. OPPENHEIMER, D. W. ELLIS, P. R. LYNCH, and L. SHAPIRO	51
Preliminary Report of Five New Intravenous Barbiturates. V. K. STOELTING and JOHN P. GRAF	61
Spinal Analgesia for Translumbar Aortography. E. FELDMAN, B. A. GREENE, and H. Y. H. CHINN	66
Neurological Effects Following Intrathecal Administration of Vasoconstrictor Drugs in Rhesus Monkeys. JONE J. WU, DANA LEE A. HARNAGEL, KENNETH R. BRIZZEE, and SCOTT M. SMITH	71
The Anesthesiologist and Therapeutic Nerve Block: Technician or Physician. (With Emphasis on the Problems of Pain Relief.) LEROY D. VANDAM and JAMES E. ECKENHOFF	89
Analysis of Gases in Blood with the Mass Spectrometer. IV. Total Extraction of Gases for Determination of Carbon Dioxide and Oxygen in Blood. ROBERT T. PATRICK, JOHN M. SAARI, SERAFINO POSSATI, and ALBERT FAULCONER, JR.	95

DEPARTMENTS

<i>Editorial</i>	103
<i>Current Comment and Case Reports:</i>	
<i>A Connector for Endobronchial Anesthesia</i>	106
<i>An Inexpensive "Homemade" Valve for Nonbreathing Technique of Pediatric Anesthesia</i>	107
<i>Correspondence</i>	108
<i>Abstracts</i>	110
<i>Notice of Meetings</i>	10, 27