

CONTENTS

PRESIDENTIAL MESSAGE	
Challenges in a Changing Medical Environment. <i>M. T. Jenkins</i>	451
ORIGINAL ARTICLES	
The Relation between Tetanic Fade and Receptor Occlusion in the Presence of Competitive Neuromuscular Block. <i>B. E. Waud and D. R. Waud</i>	456
An <i>In-vitro</i> Model of Anesthetic Hypertonic Hyperpyrexia, Halothane-Caffeine-induced Muscle Contractions: Prevention of Contracture by Procainamide. <i>George E. Strobel and C. Paul Bianchi</i>	465
Correlation of the Ethrane Encephalogram with Motor Activity in Cats. <i>Rudolph H. de Jong and James E. Heavner</i>	474
The Electroencephalographic Pattern during Anesthesia with Ethrane: Effects of Depth of Anesthesia, P _{CO₂} , and Nitrous Oxide. <i>John L. Neigh, J. Kent Garman, and James R. Harp</i>	482
The Effects of Epinephrine on Mepivacaine Absorption from the Spinal Epidural Space. <i>M. F. Burfoot and P. R. Bromage</i>	488
Trifluoroethanol and Halothane Biotransformation in Man. <i>Helmut F. Cascorbi and David A. Blake</i>	493
Studies of Pancuronium in Conscious and Anesthetized Man. <i>F. F. Foldes, D. H. Klonimus, W. Maisel, F. Sciammas, and T. Pan</i>	496
The Electroencephalogram in Man Anesthetized with Forane. <i>Edmond I. Eger, II, Wendell C. Stevens, and Thomas H. Cromwell</i>	504
Comparative Neuromuscular Effects of Pancuronium, Gallamine, and Succinylcholine during Forane and Halothane Anesthesia in Man. <i>Ronald D. Miller, Walter L. Way, William M. Dolan, Wendell C. Stevens, and Edmond I. Eger, II</i>	509
ANNALS OF ANESTHETIC HISTORY	
A Consideration of Factors in the Discovery of Anesthesia and Their Effects on Its Development. <i>Nicholas M. Greene</i>	515
TECHNICAL NOTE	
Tissue Weights and Rates of Blood Flow in Man for the Prediction of Anesthetic Uptake and Distribution. <i>Alan L. Cowles, Harold H. Borgstedt, and Alastair J. Gillies</i>	523
CLINICAL WORKSHOP	
Possible Cross-sensitivity between Halothane and Methoxyflurane: Report of a Case. <i>J. A. Judson, H. J. de Jongh, and J. B. W. Walmsley</i>	527
Humidification during Positive-pressure Ventilation of Infants. <i>Ralph A. Epstein</i>	532
Anesthesia in Stevens-Johnson Syndrome: Report of a Case. <i>Roy F. Cucchiara and Brian Dawson</i>	537
A Ventilating Laryngoscope. <i>J. L. Oulton and D. M. Donald</i>	540
Emergency Closed Mitral Commissurotomy Using Ketamine Anesthesia: Report of a Case. <i>Maurice Lippmann and Richard J. Cleveland</i>	543
Rigidity and Pulmonary Edema after Innovar in a Patient on Levodopa Therapy: Report of a Case. <i>Richard A. Wiklund and S. H. Ngai</i>	545
The Intraoperative Hazard of Acrylic Bone Cement: Report of a Case. <i>Charles A. Cohen and Theodore C. Smith</i>	547
CORRESPONDENCE	
Cyclopropane and Contractility. <i>R. S. Reneman and G. Pollack</i> , 550; <i>Shiro Shimamoto and Benjamin E. Elsten</i> , 551	
MAC, MAP, and Euphony. <i>Edmond I. Eger, II</i>	552
Catecholamine Effects on Increased Shunting. <i>Benjamin H. Gorsky</i> , 552; <i>Manosuke Muneyuki and Akira Inamoto</i> , 553	
REPORTS OF SCIENTIFIC MEETINGS	554
THE ANESTHESIOLOGIST'S BOOKSHELF	558
LITERATURE BRIEFS	560
POEM. <i>Susanne J. Lamin</i>	455