

## CONTENTS

## EDITORIAL VIEWS

- Anesthesia and the Microcirculation. *Silvio Baez* 333  
 Anesthetic-induced Abortion? *D. H. Carr* 335

## ORIGINAL ARTICLES

- Quantitative Analysis of Microvascular Diameters during Pentobarbital and Thiopental Anesthesia in the Bat. *Patrick D. Harris, Leland F. Hodoval, and David E. Longnecker* 337  
 Anesthesia, Pregnancy, and Miscarriage: A Study of Operating Room Nurses and Anesthetists. *Ellis N. Cohen, J. Weldon Belleille, and Byron W. Brown, Jr.* 343  
 Chronic Exposure to Anesthetic Gases in the Operating Room. *Charles E. Witcher, Ellis N. Cohen, and James R. Trudell* 348  
 The Effects of Methoxamine and Ephedrine in Normotensive Pregnant Primates. *Martene Eng, Peter U. Berges, Kent Ueland, John J. Bonica, and Julian T. Parer* 354  
 The Minimum Alveolar Concentration of Enflurane in Man. *Helga Gion and Lawrence J. Suidman* 361  
 The Effect of Age on the Rate of Increase of Alveolar Anesthetic Concentration. *Edmond I. Eger, II, Steven H. Bahlman, and Edwin S. Munson* 365  
 A Neurophysiologic Study of Ketamine Anesthesia in the Cat. *Kenjiro Mori, Miwako Kawamata, Hitoshi Mitani, Yutaka Yamazaki, and Masao Fujita* 373  
 The Effects of Intravenous Lidocaine on Optic Evoked Potentials in Light and Darkness. *Jagananda Hazra* 384  
 Effects of Halothane, Anoxia, and Hemorrhage upon Canine Whole-body, Skeletal Muscle, and Splanchnic Excess Lactate Production. *Richard A. Theye* 394  
 Forane Uptake, Excretion, and Blood Solubility in Man. *Thomas H. Cromwell, Edmond I. Eger, II, Wendell C. Stevens, and William M. Dolan* 401

## MEDICAL INTELLIGENCE

- Phantom Limb Pain: Implications for Treatment of Pathologic Pain. *Ronald Melzack* 409

## TECHNICAL NOTE

- A Respiratory Nomogram. *S. Jeretin, T. Wandycz, and L. R. Martinez* 420

## CLINICAL WORKSHOP

- Pulmonary Edema Complicating Intrathecal Hypertonic Saline Injection for Intractable Pain. *Gale E. Thompson* 425  
 Hypoxia, Hyperdynamic Circulation, and the Hazards of General Anesthesia in Patients with Hepatic Cirrhosis. *Joel A. Kaplan, Richard L. Bitner, and Robert D. Dripps* 427  
 Automatic Ultrasound Monitoring of Blood Pressure during Induced Hypotension. *Paul J. Poppers, Robert M. Epstein, and Robert T. Donham* 431  
 Anesthesia for Right Hepatic Lobectomy in a Child: An Exercise in Blood Volume Management. *Eric B. Furman* 436

## CORRESPONDENCE

- Terminology. *Alcan L. Barach*, 439; *Henning Pontoppidan*, 439; *Editor's Comment*, 439  
 More on Minipigs and Metabolism. *D. M. Foulkes, J. C. Topham, and M. J. Winrow*, 440; *Edmond I. Eger, II, and Michael J. Halsey*, 440  
 Formulation of *d*-Tubocurarine. *Richard S. J. Clarke and S. Morrell Lyons* 441  
 "Gassing" a Water Bath. *Pramod Vongvises, Thomas A. Webster, and Henry L. Price*, 442; *Burnell R. Brown, Jr., and J. Richard Crout*, 442  
 Hyperthermia during a Second Anesthesia. *Simon Halevy and Gertie F. Marx* 444

## THE ANESTHESIOLOGIST'S BOOKSHELF

- 446

## LITERATURE BRIEFS

- 448  
 Neonatology, 336—Metabolism, 364—Drugs, 372, 383—Anesthesia, 400—Blood Transfusion, 424—Burn Therapy, 445