

CONTENTS

ORIGINAL ARTICLES

- Halothane Inhibition of Phytohemagglutinin-induced Transformation of Lymphocytes. *David L. Bruce* 201
- The Effect of Halothane on Phytohemagglutinin-induced Transformation of Human Lymphocytes *in Vitro*. *Bruce F. Cullen, W. Frederick Sample, and Paul B. Chretien* 206
- Kinetics of the Elimination and Neuromuscular Blocking Effect of *d*-Tubocurarine in Man. *Milo Gibaldi, Gerhard Levy, and William Hayton* 213
- Circulatory Effects of Peridural Block: III. Effects of Acute Blood Loss. *John J. Bonica, William F. Kennedy, Jr., Toshio J. Akamatsu, and Hans U. Gerbershagen* 219
- The Neural Mechanism of Cyclopropane Anesthesia in the Rabbit. *Kenjiro Mori, Kumi Iwabuchi, Mucako Kawamata, Kazutomo Ohta, and Masao Fujita* 228
- Lidocaine Metabolism in Normal and Phenobarbital-pretreated Dogs. *Cosmo A. DiFazio and Robert E. Brown* 238
- Postoperative Hypoxemia: The Contribution of Age to the Maldistribution of Ventilation. *Hirobumi Kitamura, Takeshi Sawa, and Etsutaro Ikezono* 244
- The Effects of Anesthetic Agents on Serum Proline Hydroxylase. *H. David Stein, Harry R. Keiser, and Albert Sjoerdsma* 253
- The Effects of Ethrane on Arterial Pressure, Preganglionic Sympathetic Activity, and Barostatic Reflexes. *Per Skovsted and Henry L. Price* 257
- The Effects of Inhalation Anesthetics on the Uptake and Metabolism of *l*-³H-Norepinephrine in Guinea-pig Atria. *Burnell R. Brown, Jr., Ella N. Tatum, and J. Richard Crout* 263
- The Effects of Citrated Blood and Hypothermia on Acid-Base Balance during Cardiopulmonary Bypass. *Glenn R. Weygandt and Albert Roos* 268

(Continued from page 2)

CONTENTS

- Interaction of the Effects of Naloxone and Oxymorphone on Human Respiration. *Tamas Kallos, Howard E. Hudson, Jean-Claude Rouge, and Theodore C. Smith* 278

- Renal Effects of Low-dose Methoxyflurane with Cardiopulmonary Bypass. *Michael J. Cousins, Tadashi G. Nishimura, and Richard I. Mazze* 286

LABORATORY NOTE

- A Rapid Direct-injection Method for Measuring Volatile Anesthetics in Whole Blood. *Michael J. Cousins and Richard I. Mazze* 293

CLINICAL WORKSHOP

- Potassium Release after Succinylcholine in Acutely Uremic Monkeys. *David R. Cook and Anthony B. Cosimi* 297

- Severe Hypotension during Prosthetic Hip Surgery with Acrylic Bone Cement. *Adrian F. Newens and Robert G. Volz* 298

- Maintaining Optimum Audibility of Korotkoff Sounds during Blood-pressure Monitoring. *Clayton Petty and Harrell C. Sutherland, Jr.* 300

- A Simple Inspiratory Safety Valve. *David Desautels and Jerome H. Modell* 304

CORRESPONDENCE

- An Unusual Hazard of Methoxyflurane. *Corazon M. deGuzman and Helmut F. Cascorbi* 305

- THE ANESTHESIOLOGIST'S BOOKSHELF 306

- LITERATURE BRIEFS 307

Obstetrics, 205—Paraphernalia, 212—CNS Function, 252—Respiration, 267, 292

GUIDE TO AUTHORS

The Guide for Authors is published in the January and July issues. Authors unable to consult these issues may obtain copies from the Editor-in-Chief, Arthur S. Keats, M.D., Baylor College of Medicine, 1200 M. D. Anderson Blvd., Houston, Texas 77025.