

CONTENTS

EDITORIAL VIEWS

- New Directions: The Anesthesia Machine and the Practice of Anesthesia. 307
Allen K. Ream
- Halothane—A Behavioral Teratogen? 308
Richard E. Butcher

ORIGINAL ARTICLES

- A New Anesthesia Delivery System. 310
Jeffrey B. Cooper, Ronald S. Newbower, Jeffrey W. Moore, and Edwin D. Trautman
- Behavioral Effects of Exposure to Halothane during Early Development in the Rat: Sensitive Period during Pregnancy. 319
Robert F. Smith, Robert E. Bowman, and Jordan Katz
- Pharmacokinetics and Pharmacodynamics of *d*-Tubocurarine during Hypothermia in the Cat. 324
Jay Ham, Ronald D. Miller, Leslie Z. Benet, Richard S. Matteo, and Laura L. Roderick
- Catecholamine Stimulation of Myocardial Oxygen Consumption in Porcine Malignant Hyperthermia. 330
Gerald A. Gronert, Richard A. Theye, James H. Milde, and John H. Tinker

REVIEW ARTICLE

- Anesthetic Agents and Cardiac Electromechanical Activity. 338
Margaret G. Prtila and Vasilios Prtilas

CLINICAL REPORTS

- Changes in Total Serum Ca^{++} , Na^+ , and K^+ with Administration of Succinylcholine. 361
Denis L. Bourke and Morton Rosenberg
- Barotrauma, a Potential Hazard of Manual Resuscitators. 363
James M. Klick, Leonard S. Bushnell, and M. Lee Bancroft
- Pulmonary Vascular Pressure Reading at the End of Exhalation. 365
Richard E. Berryhill, Jonathan L. Benumof, and L. Andrew Rauscher

(Continued on page 6)

CONTENTS

(Continued from page 4)

Induction of Anesthesia in a Patient with an Undiagnosed Pheochromocytoma. <i>David S. Smith, Stanley J. Aukburg, and Jerry D. Levitt</i>	368
Glycopyrrolate Compared with Atropine in Patients Undergoing Intraocular Operations with Local Anesthesia. <i>Elsie F. Meyers and Premila Charles</i>	370
CORRESPONDENCE	
Acute Phlebitis from Nitroprusside. <i>Raymond Miller and David C. C. Stark</i>	372
Caudal Anesthesia in Children. <i>O. Schulte-Steinberg and V. W. Rahlfs Mayumi Takasaki and Takeo Takahashi</i>	372
Dental Anesthesia. <i>Stanley R. Spiro Justin H. Stone and Robert G. Kroll</i>	373
Rational Use of a Scavenging Mask. <i>Jacobus W. Mostert and Richard Crinzi</i>	374
Uvular Edema. <i>T. D. Seigne, A. Felske, and P. A. DelGiudice</i>	375
Ketamine in Acute Intermittent Porphyria—Dangerous or Safe? <i>Ewa Kostrzewska, Anita Gregor, and Danuta Lipinska</i>	376
Hot Flashes in the Operating Room. <i>Mark A. Rockoff</i>	377
REPORTS OF SCIENTIFIC MEETINGS	379
BOOK REVIEWS	381
Books Received, 382	

GUIDE TO AUTHORS

The Guide for Authors is published in the January and July issues. Please refer to the Guide for the preparation of any material for submission to ANESTHESIOLOGY.

ANESAV is a code word ("coden") used by the Chemical Abstract Service to identify the journal.