CONTENTS

EDITORIAL VIEWS	
Exposure to Anesthetic Gases and Health Problems in Dental Workers. John D. Michenfelder	1
ORIGINAL ARTICLES	
Comparative Evaluation of New Fine-screen Filters: Effects on Blood Flow Rate and Microaggregate Removal. David J. Cullen, Judith Kunsman, Debra Caldera, Richard C. Dennis, and	Ş
C. Robert Valeri	
Hydrostatic Pressure Does Not Antagonize Halothane Effects on Single Neurons of Aplysia californica.	g
J. L. Parmentier and P. B. Bennett	
General Anesthesia in "Inducible" Porphyrias. Pertti Mustajoki and Jussi Heinonen	15
Plasma Levels of 2-Chloroprocaine in Obstetric Patients and Their Neonates after Epidural Anesthesia.	21
B. R. Kuhnert, P. M. Kuhnert, A. L. Prochaska, and T. L. Gross	
Prediction of the Need for Postoperative Mechanical Ventilation in Myasthenia Gravis.	26
Stephen R. Leventhal, Fredrick K. Orkin, and Robert A. Hirsh	
Genotoxic and Mutagenic Assays of Halothane Metabolites in Bacillus subtilis and Salmonella typhimurium.	31
Krishna Sachdev, Ellis N. Cohen, and Vincent F. Simmon	
SPECIAL ARTICLE	
American Society of Anesthesiologists Rovenstine Lecture—1979: Anesthesiologists as Clinicians. Leroy D. Vandam	40
, and the second	
LABORATORY REPORTS	
Effects of Cyclopropane on Catecholamine Release from Bovine Adrenal Medulla. Koji Sumikawa, Yoshikuni Amakata, Takeshi Kashimoto, and Futoshi Izumi	49
The Spectrophotometric Absorbance of Intralipid®. Roy D. Cane, Ronald A. Harrison, Barry A. Shapiro, and John Kavanaugh	53

CONTENTS

(Continued from page 5)

Quantitative Analysis of Trifluoroacetate in the Urine and Blood by Isotacho- phoresis. Michio Morio, Kohyu Fujii, Reiko Takiyama, Fumihiko Chikasue, Hirosato Kikuchi,	56
and Ljubomir Ribarić A Comparison of Methods of Blood Withdrawal and Sample Preparation for Potassium Measurements. Anne B. Hill, Michael L. Nahrwold, David Noonan, and Paula Northrop	60
CLINICAL REPORTS	
Succinylcholine-induced Hyperkalemia in Patients with Ruptured Cerebral Aneurysms. Naofumi Iwatsuki, Naoaki Kuroda, Keisuke Amaha, and Kenichi Iwatsuki	64
Alteration of Hemoglobin Measurement by Fluorescein. Arnold J. Berry, Alfred Somboun Yin, and Walter J. Hoyt	67
Disturbance of Consciousness and Hypocalcemia after Neomycin Irrigation, and Reversal by Calcium and Physostigmine. Fun-Sun Yao, Steven F. Seidman, and Joseph F. Artusio, Jr.	69
A Controlled Study of the Effect of Succinylcholine Self-taming on Intraocular Pressure. Elsie F. Meyers, Paul Singer, and Alice Otto	72
Treatment of Unilateral Pulmonary Insufficiency by Selective Administration of Continuous Positive Airway Pressure Through a Double-lumen Tube. Bahman Venus, Kurra S. Pratap, and Timothy Op'Tholt	74
CORRESPONDENCE	
Diazepam Anesthesia and Myocardial Contractility. Igor Kissin	78
An Aid in Arterial Cannulation. Jerry D. Edelman	79
Calibration Curves of Enflurane Using the Beckman LB2® Gas Analyzer with the Halothane Head. Ernesto Goldman, Duane Sherrill, Teruel De Campo, and J. Antonio Aldrete	79
Avoiding Intravascular Injections during Epidural Anesthesia. S. A. Schweitzer	81

CONTENTS

(Continued from page 7)

A Further Modification of Endotracheal Tubes for Laser Microsurgery. Santosh Kalhan and Audrey G. Regan	81
Intrathecal Morphine. B. W. Perriss	82
Regional Anesthesia by Nurse Anesthetists. Lynn H. Ogden	82
Antacid Therapy in Obstetrics. R. Bryan Roberts and Michael A. Shirley	83
Direct (Transthoracic) Endobronchial Intubation. Jeffrey J. Stevens	83
Modified Laryngoscope for Endotracheal Intubation of Neonates. Peter Hencz	84
Allen's Test—Positive or Negative? K. Reed Peters and James W. Chapin	85
Averaging pH vs. H ⁺ Values, an Irrelevant Debate. Alan W. Grogono	. 85
Averaging Acidity Values. Peter J. Tomlin	86
Central Venous Catheter Placement for Cardiopulmonary Bypass. Charles B. Watson	86
REPORTS OF SCIENTIFIC MEETINGS	88
BOOK REVIEWS	90
CLASSIFIED AD SECTION	43
INDEX TO ADVERTISERS	68

GUIDE TO AUTHORS

The Guide for Authors is published in the January and July issues. It may be found on page 11A of this issue.