

CONTENTS

SYMPOSIUM—CARBON DIOXIDE AND MAN

Introduction. <i>James E. Eckenhoff</i>	585
The Biological Role of Carbon Dioxide. <i>David R. Goddard</i>	587
Production, Storage, Transportation and Elimination of Carbon Dioxide	
The Metabolic Production of Carbon Dioxide. <i>Sidney Fleischer</i>	597
Dynamics of Changes in Carbon Dioxide Stores. <i>Leon E. Farhi and Herman Rahn</i>	601
Transport of Carbon Dioxide in Blood. <i>John M. Kinney</i>	615
Elimination of Carbon Dioxide by the Lung. <i>J. F. Nunn</i>	620
Acclimatization to Carbon Dioxide. <i>Ralph H. Kellogg</i>	631

Carbon Dioxide and Body Systems

Carbon Dioxide and Respiration in Acid-Base Homeostasis. <i>Christian J. Lambertsen</i>	642
Effects of Carbon Dioxide on the Cardiovascular System. <i>Henry L. Price</i>	652
The Effects of Carbon Dioxide on the Cerebral Circulation. <i>Louis Sokoloff</i>	664
The Effects of Carbon Dioxide on Neurohumoral and Endocrine Mechanisms. <i>S. M. Tenney</i>	674
The Role of Carbon Dioxide in the Nervous System. <i>Dixon M. Woodbury and Ralph Karler</i>	686
The Effect of Carbon Dioxide on the Kidney. <i>Thomas J. Kennedy</i>	704

Carbon Dioxide and Anesthesia

Methods of Measurement of Blood and Gas Carbon Dioxide During Anesthesia. <i>John W. Severinghaus</i>	717
The Effect of Drugs on the Respiratory Response to Carbon Dioxide. <i>J. Weldon Bellville and John C. Seed</i>	727
Disposal of Carbon Dioxide from Devices Used for Inhalational Anesthesia. <i>John Adriani</i>	742
What Is the Significance of Hypercarbia or Hypocarbia in the Anesthetized Patient? <i>Panel Discussion</i>	759

EDITORIAL

Briefs from the Literature. <i>John W. Pender</i>	767
---	-----

CURRENT COMMENT

Gadgets.—Portable Unit For Fluothane-Air Anesthesia ("PUFFA"), 768—Intermittent Vacuum Regulator, 773—Respiratory Monitor for Infants, 774—Modified Endotracheal Tube Cuff, 775—Endotracheal Tube Plug, 776—Infant Anesthesia Set, 776. Case Report.—Blindness After Lumbosacral Fusion, 777	779
--	-----

BRIEFS FROM THE LITERATURE

779