



Volume Four  
TABLE OF CONTENTS

1968 • NUMBER ONE

*Thirty-Ninth Annual McGuire Lecture Series:  
Gastroenterology*

<b>Pancreatitis</b>	
FRANZ J. INGELFINGER, Boston, Massachusetts	4
<b>Cirrhosis: What Is It?</b>	
CHARLES M. CARAVATI, Richmond, Virginia	10
<b>The Relation of the Intestinal Cell Surface to Vitamin B<sub>12</sub> Absorption</b>	
ROBERT M. DONALDSON, JR., Boston, Massachusetts	18
<b>Amino-Acid Absorption</b>	
BERTRAM FLESHLER, Cleveland, Ohio	21
<b>Pathogenesis of Hepatic Encephalopathy</b>	
Z. RENO VLAHCEVIC, Richmond, Virginia	32
<b>The Surgical Management of Hirschsprung's Disease</b>	
LESTER W. MARTIN, Cincinnati, Ohio	38
<b>Abstracts of Theses for Graduate Degrees MEDICAL COLLEGE OF VIRGINIA, June, 1967</b>	
	41
<b>Book Review</b>	
LEO J. DUNN, Richmond, Virginia	45
<b>Installation of Members</b>	
THE SOCIETY OF THE SIGMA XI, Medical College of Virginia	45
<b>Contributors to this Issue</b>	
	46

1968 • NUMBER TWO

<b>Lasting Biological Effects of Early Influences</b>	
RENÉ DUBOS, New York, New York	52
<b>The Ambient Air</b>	
EDITH IGLAUER, New York, New York	58
<b>A Psychiatrist Listens to Dental Complaints</b>	
HENRY D. LEDERER, Richmond, Virginia	73
<b>A Brief History of the Taxonomy of Mammals</b>	
JACK D. BURKE, Richmond, Virginia	77
<b>A Histochemical Study of Skin Wounds</b>	
ABDULLAH FATTEH, Richmond, Virginia	81
<b>Abortion: Medical and Moral Aspects</b>	
GEOFFREY T. MANN, Richmond, Virginia	83
<b>Abortion: Legal Aspects</b>	
THOMAS D. JORDAN, Richmond, Virginia	86
<b>Contributors to this Issue</b>	
	90

Mechanism of Energy Transformations in Biological Membranes	
DAVID E. GREEN, Madison, Wisconsin	96
Histamine and a Possible Unity of Autonomous Microcirculatory Dilator Responses	
RICHARD W. SCHAYER, Orangeburg, New York	101
The Potability of Sea Water	
A. V. WOLF, Chicago, Illinois	107
The Use of a Computer in the Diagnosis of Intracranial Tumors	
G. H. DU BOULAY, London, England	114
Potential Applications of Lasers in Ophthalmology	
WALTER J. GEERAETS, Richmond, Virginia	117
Mechanisms Controlling the Peripheral Circulation of the Lung with Some Clinical Correlations	
VERNON E. KRAHL, Baltimore, Maryland	121
5-Fluorouracil, A Tool in the Treatment of Skin Cancer and Keratoses	
REUVEN K. SNYDERMAN, New York, New York	133
Relationship Between Fertility and Elevated Cholesterol Levels in Rats	
GRIMALDO CARVALHO, Richmond, Virginia	135
Book Review	
ANN M. FLOWERS, Richmond, Virginia	141
Contributors to this Issue	142

<i>From the Twenty-First Annual Stoneburner Lecture Series: Diseases of the Kidney</i>	
New Developments in Hemodialysis for Chronic Renal Failure	
LEE W. HENDERSON, Philadelphia, Pennsylvania	148
Conservative Management of Chronic Renal Failure	
ROSCOE R. ROBINSON, Durham, North Carolina	156
Clinical Aspects of Renal Tubular Disorders	
WILLIAM F. FALLS, JR., Richmond, Virginia	162
Focal Glomerulonephritis	
ROBERT H. HEPTINSTALL, Baltimore, Maryland	170
Some Issues in Human Development	
VICTOR C. VAUGHAN, III, Philadelphia, Pennsylvania	173
Present-Day Psychiatry	
HENRY D. LEDERER, Richmond, Virginia	182
Recent Advances in Pediatric Allergy	
F. STANFORD MASSIE, Richmond, Virginia	189
Student Honors Day: Abstracts of Scientific Presentations	
MEDICAL COLLEGE OF VIRGINIA, May, 1968	194
Contributors to this Issue	197
<i>Index to Volume Four</i>	199