## Volume Four

## TABLE OF CONTENTS

1968 • NUMBER ONE	
Thirty-Ninth Annual McGuire Lecture Series: Gastroenterology	
Pancreatitis	
Franz J. Ingelfinger, Boston, Massachusetts	4
Cirrhosis: What Is It?	
CHARLES M. CARAVATI, Richmond, Virginia	10
The Relation of the Intestinal Cell Surface to Vi min B <sub>12</sub> Absorption	ta-
ROBERT M. DONALDSON, JR., Boston, Massachuse	
	18
Amino-Acid Absorption	
BERTRAM FLESHLER, Cleveland, Ohio	21
Pathogenesis of Hepatic Encephalopathy	
Z. RENO VLAHCEVIC, Richmond, Virginia	32
The Surgical Management of Hirschsprung's Disea	ase
LESTER W. MARTIN, Cincinnati, Ohio	38
Abstracts of Theses for Graduate Degrees	
MEDICAL COLLEGE OF VIRGINIA, June, 1967	41
Book Review	_
LEO J. DUNN, Richmond, Virginia	45
Installation of Members	
THE SOCIETY OF THE SIGMA XI, Medical College	of
Virginia	45
Contributors to this Issue	46

1968 • NUMBER TWO	
Lasting Biological Effects of Early René Dubos, New York, New York	Influences 52
The Ambient Air Edith Iglauer, New York, New York	58
A Psychiatrist Listens to Dental Compla HENRY D. LEDERER, Richmond, Virginia	ints 73
A Brief History of the Taxonomy of Jack D. Burke, Richmond, Virginia	Mammals
A Histochemical Study of Skin Wounds Abdullah Fatteh, Richmond, Virginia	81
Abortion: Medical and Moral Aspects Geoffrey T. Mann, Richmond, Virginia	83
Abortion: Legal Aspects THOMAS D. JORDAN, Richmond, Virginia	86
Contributors to this Issue	90

1968 • NUMBER THREE	1968 • NUMBER FOUR
Mechanism of Energy Transformations in Biological Membranes	From the Twenty-First Annual Stoneburner Lecture Series: Diseases of the Kidney
DAVID E. GREEN, Madison, Wisconsin 96	New Developments in Hemodialysis for Chronic
Histamine and a Possible Unity of Autonomous Microcirculatory Dilator Responses	Renal Failure Lee W. Henderson, Philadelphia, Pennsylvania 148
RICHARD W. SCHAYER, Orangeburg, New York 101	Conservative Management of Chronic Renal Failure
The Potability of Sea Water	ROSCOE R. ROBINSON, Durham, North Carolina 150
A. V. Wolf, Chicago, Illinois	Clinical Aspects of Renal Tubular Disorders
The Use of a Computer in the Diagnosis of Intra- cranial Tumors	WILLIAM F. FALLS, JR., Richmond, Virginia
G. H. DU BOULAY, London, England	Focal Glomerulonephritis
Potential Applications of Lasers in Ophthalmology	ROBERT H. HEPTINSTALL, Baltimore, Maryland 170
WALTER J. GEERAETS, Richmond, Virginia	Some Issues in Human Development
Mechanisms Controlling the Peripheral Circulation of the Lung with Some Clinical Correlations	VICTOR C. VAUGHAN, III, Philadelphia, Pennsylvania
VERNON E. KRAHL, Baltimore, Maryland 121	Present-Day Psychiatry
5-Fluorouracil, A Tool in the Treatment of Skin	HENRY D. LEDERER, Richmond, Virginia 182
Cancer and Keratoses	Recent Advances in Pediatric Allergy
REUVEN K. SNYDERMAN, New York, New York 133	F. STANFORD MASSIE, Richmond, Virginia 189
Relationship Between Fertility and Elevated Cholesterol Levels in Rats	Student Honors Day: Abstracts of Scientific Presentations
GRIMALDO CARVALHO, Richmond, Virginia 135	MEDICAL COLLEGE OF VIRGINIA, May, 1968 194
Book Review	
Ann M. Flowers, Richmond, Virginia 141	Contributors to this Issue
Contributors to this Issue	Index to Volume Four