## MCV/Q

MEDICAL COLLEGE OF VIRGINIA QUARTERLY

A Scientific Publication of the School of Medicine

1969 • VOLUME FIVE • NUMBER ONE

## CONTENTS

| W. S. C. COPEMAN, London, England   | 2  |
|---|----|
| Onset of the Immune Response<br>S. G. Bradley, Minneapolis, Minnesota                           | 9  |
| Investigations on Congenital and Induced Osteopetrosis<br>Donald G. Walker, Baltimore, Maryland | 17 |
| Thermodes and Theories<br>N. Herbert Spector, Richmond, Virginia                                | 20 |
| Current Concepts in the Field of Neurochemical Mediation<br>Berta Scharrer, Bronx, New York     | 23 |
| Abstracts of Theses for Graduate Degrees<br>Medical College of Virginia, June, 1968             | 3: |
| Contributors to this Issue  |    |

COVER: "Comfort in the Gout," satirical 18th century engraving by J. Rowlandson. Original in The Wellcome Historical Medical Museum and Library, London (see page 2).

 $\textcircled{\mbox{\scriptsize \sc only}}$  1969 by Medical College of Virginia, Health Sciences Division of Virginia Commonwealth University.

The MEDICAL COLLEGE OF VIRGINIA QUARTERLY is designed primarily for the postgraduate education of physicians. The QUARTERLY will publish results of original research in basic and clinical sciences, and report on seminars and symposiums held at the College. Contributions from outside the MCV faculty are invited.

Manuscripts, submitted in duplicate, should be prepared according to recommendations in the *Style Manual for Biological Journals*, 2nd Edit., published in 1964 by the American Institute of Biological Sciences, 2000 P Street, N.W., Washington, D. C. 20036.

Subscription rates in the USA and Canada: 1 year, \$4; 2 years, \$7; 3 years, \$9. All other countries: 1 year, \$5; 2 years, \$8; 3 years, \$10. Interns, residents, and students: 1 year, \$2.

Correspondence: MEDICAL COL-LEGE OF VIRGINIA QUAR-TERLY, Medical College of Virginia, Richmond, Virginia 23219. Phone: 703/770-4027.

Editorial Advisory Board

Ian Bush Charles M. Caravati Fairfield Goodale, Jr. Ernst G. Huf June L. Huntley Hunter H. McGuire, Jr. Kinloch Nelson Arnold M. Salzberg N. Herbert Spector Frederick J. Spencer

## Editorial Consultants

Larry F. Cavazos, professor of anatomy, Tufts University

Richard G. Lester, professor of radiology, Duke University

Malcolm E. Turner, Jr., professor of biometry, Emory University

## EDITOR Sami I. Said

Editorial Assistant, Elizabeth S. Scott Designer, Raymond A. Geary