

THE AMERICAN PHYSIOLOGICAL SOCIETY

Founded in 1887 for the purpose of promoting the increase of physiological knowledge and its utilization.



The Physiologist

A Publication for Physiologists and Physiology
Orr E. Reynolds, Editor

OFFICERS

President

William F. Ganong, Univ. of California, San Francisco

President-Elect

David F. Bohr, Univ. of Michigan, Ann Arbor

Past President

Ewald E. Selkurt, Indiana Univ. Med. Ctr., Indianapolis

Council

William F. Ganong, David F. Bohr, Ewald E. Selkurt,
James O. Davis, Francis J. Haddy, Walter C. Randall, Earl
H. Wood

Executive Secretary-Treasurer

Orr E. Reynolds, 9650 Rockville Pike, Bethesda,
Maryland 20014

Publications

American Journal of Physiology: Cell Physiology
American Journal of Physiology: Endocrinology, Metabolism
and Gastrointestinal Physiology
American Journal of Physiology: Heart and Circulatory Physi-
ology
American Journal of Physiology: Regulatory, Integrative and
Comparative Physiology
American Journal of Physiology: Renal, Fluid and Electrolyte
Physiology
American Journal of Physiology (Consolidated)
Journal of Applied Physiology: Respiratory, Environmental
and Exercise Physiology
Journal of Neurophysiology
Physiological Reviews
The Physiologist
Handbooks of Physiology
The Physiology Teacher

THE PHYSIOLOGIST is published bimonthly by the Ameri-
can Physiological Society at 9650 Rockville Pike, Bethesda,
Maryland 20014. Address all correspondence to this address.

Subscriptions: Distributed with The Physiology Teacher to
members as a part of their membership. Non-members and
institutions, \$12.00 per year in the United States; Canada,
\$12.50; Foreign and Postal Union, \$13.00. The American
Physiological Society assumes no responsibility for the state-
ments and opinions advanced by contributors to THE PHYSIO-
LOGIST.

TABLE OF CONTENTS

SOCIETY AFFAIRS

Past-President's Address . . . Ewald E. Selkurt	1
Robert F. Pitts . . . Ewald E. Selkurt	9
Thank You From the Publications Committee	11
Honors and Awards	11
Visiting Appointments to the University of Calabar	12
Where Are They Now?	13
Suspension of Delinquent Members.	13
Caroline tum-Suden	14
1978 Harwood Belding Award	14
Instruction for Applying for APS Membership	15
Membership Application.	17
CAS Brief	19

SCIENTIFIC ARTICLES

Importance of Lung Material Properties in Respiratory System Mechanics . . . Joseph R. Rodarte.	21
--	----

HISTORICAL ARTICLES

History of the Department of Physiology at Southern Illinois University . . . Harold M. Kaplan	26
---	----

MEMBERSHIP NEWS

News From Senior Physiologists.	28
---	----

ANNOUNCEMENTS

Eastern Student Research Forum	13
International Conference on Signals	14
Symposium on Toxicology, Drugs and Pollutants	25
Symposium on Lipid-Cardiovascular Relationship	27
Fifteenth Annual Rocky Mountain Bioengineering Symposium	27
Fondation de Physio-Pathologie.	31

Please note: Society Business and Notices are on gray-edged
paper.

CURRENT SCHEDULE OF FUTURE MEETINGS

- 1978 Spring – Atlantic City, New Jersey – April 9-14
- 1978 Fall – St. Louis, Missouri – October 22-27
- 1978 Fall – Campus Specialty Meeting – Michigan State –
Categorical Subject and Date to be Announced
- 1979 Spring – Dallas, Texas – April 6-10 (Total FASEB
meeting 1-10)
- 1979 Fall – New Orleans, Louisiana – October 14-19
- 1980 Spring – Anaheim, California – April 13-18
- 1980 Fall – Miami Beach, Florida – October 12-17
- 1981 Spring – Atlanta, Georgia – April 12-17
- 1981 Fall – Boston, Massachusetts – November 1-6
- 1982 Spring – New Orleans, Louisiana – April 18-23
- 1982 Fall – San Diego, California – October 10-15