

PHYSICAL REVIEW C

NUCLEAR PHYSICS

Published by

The American Physical Society

Officers

President

EDWARD M. PURCELL
Harvard University

Vice-President

ROBERT SERBER
Columbia University

Vice-President Elect

PHILIP M. MORSE
Massachusetts Institute of Technology

Treasurer

JOSEPH A. BURTON
Bell Telephone Laboratories

Executive Secretary

W. W. HAVENS, JR.
Columbia University

Regional Secretaries:

Central States
MURRAY PESHKIN
Argonne National Laboratory

Western States

WARD WHALING
California Institute of Technology

Southwest and Mountain States

JAMES PHILLIPS
Los Alamos Scientific Laboratory

Southeastern States

L. W. SEAGONDOLLAR
North Carolina State University

Editor-in-Chief

S. A. GOUDSMIT
Brookhaven National Laboratory

Treasurer Emeritus

S. L. QUIMBY
Columbia University

Secretary Emeritus

K. K. DARROW
Bell Telephone Laboratories
(retired)

Offices of the Society

American Institute of Physics
335 East 45th Street
New York, N. Y. 10017

Editors

S. PASTERNAK J. R. ROESSER P. D. ADAMS

Assistant Editors

J. C. FINEMAN L. E. EIMERS

Assistants to the Editors

P. IRVING S. E. MCVOY D. M. REHFELD

Manuscripts for publication should be submitted to the Editors, *Physical Review*, Brookhaven National Laboratory, Upton, N. Y. 11973. The authors' institutions are requested to pay a publication charge of \$70 per page which, if honored, entitles them to 100 free reprints. An additional \$15 is requested for advance publication of the abstract in *Physical Review Abstracts*.

Proof and all correspondence concerning papers in the process of publication should be addressed as follows: Supervisor, *Physical Review C*, Brookhaven National Laboratory, Upton, New York 11973.

Reference must be made to title, author, journal, and scheduled date of publication.

Annual Subscription Prices

	APS members	Nonmembers
Physical Review A or C	\$15.00 (18)	\$ 30.00 (33)
Physical Review B or D	30.00 (36)	60.00 (66)
Any one monthly issue of B or D	15.00 (18)	30.00 (33)
Physical Review Index	3.50 (4)	7.00 (7.50)
Phys. Rev. A-D (incl. Index)	90.00 (108)	180.00 (198)

Nonmembers of the American Physical Society may subscribe to individual sections of Phys. Rev. B or D only as a supplement to a full subscription. The prices in parentheses are for subscribers outside North America.

Back Numbers

Yearly back-number rate when complete year is available:

1953 through 1963, inclusive	\$ 48.00
1964 through 1968, inclusive	65.00
1969	130.00

Single-copy back-number rate:

1953 through 1968, inclusive	2.00
1969	3.00

Single copies of monthly index issues:

1964 through 1968, inclusive	2.00
1969	3.00

Semiannual cumulative indexes:

1964 through 1968, inclusive	2.00
1969	3.00

Subscriptions, renewals, orders for back numbers, and changes of address should be addressed to the Circulation Department, American Institute of Physics, 335 East 45th Street, New York, N. Y. 10017. For change of address, allow at least six weeks' advance notice; send both old and new addresses and, if possible, please include an address stencil imprint from the mailing envelope of a recent issue.

Permission is granted to quote from this journal in scientific articles, with the customary acknowledgment of the source. Reproduction of figures and tables is permitted provided that the author's consent is obtained and that the editorial office is notified. Reproduction of whole articles for commercial purposes requires written permission of both Editor and author.