

PHYSICAL REVIEW C

NUCLEAR PHYSICS

Editor

H. H. BARSCHALL

Associate Editors

G. J. DREISS

M. S. WEISS

Assistant to the Editors

M. DE LORIA-JUDD

Published by the
American Institute of Physics
for

The American Physical Society

Officers

President

JOSEPH E. MAYER

University of California
San Diego

Vice-President

W. K. H. PANOFSKY

Stanford University

Vice-President Elect

CHIEN-SHIUNG WU

Columbia University

Executive Secretary

W. W. HAVENS, JR.

Columbia University

Treasurer

J. A. BURTON

Bell Telephone Laboratories

Editor in Chief

S. A. GOUDSMIT

Brookhaven National Laboratory

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

Secretary Emeritus

K. K. DARROW

Bell Telephone Laboratories (retired)

Treasurer Emeritus

S. L. QUIMBY

Columbia University

Office of the Society

The American Physical Society

335 East 45 Street

New York, N. Y. 10017.

Manuscripts for publication should be submitted to the Editor, *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) * 35.00	\$ 40.00	(43) * 60.00
Physical Review B or D	30.00	(36) * 70.00	80.00	(86) *120.00
Any one monthly issue of B or D . .	15.00	(18) * 35.00		
Physical Review Index	3.50	(4) * 7.50	9.00	(9.50) * 13.00
Phys. Rev. A-D (incl. Index)	90.00	(108) *210.00	240.00	(258) *360.00

The prices in parentheses are for subscribers outside North America.

*These are optional air freight prices for subscribers in Southeast Asia, Southwest Asia, and Oceania.

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
1970 through 1971: Phys. Rev. A or C	35.00
Phys. Rev. B or D	70.00
1972 Phys. Rev. A or C	45.00
Phys. Rev. B or D	90.00

Single-copy back-number rate:

1953 through 1968, inclusive	2.00
1969	3.00
1970 through 1971	4.00
1972	5.00

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
1970 through 1971: single copies	5.00
yearly rate	8.00
1972 single copies	6.00
yearly rate	10.00

Subscriptions, renewals, orders for back numbers, and changes of address should be addressed to the Circulation Department, American Institute of Physics, 335 East 45 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.