PHYSICAL REVIEW C

NUCLEAR PHYSICS

Editor
H. H. BARSCHALL

Associate Editors
G. J. DREISS M. S. WEISS

Editorial Board

Term ending 31 December 1978
BERND CRASEMANN
CHARLES W. REICH
ANTHONY TURKEVICH

Term ending 31 December 1979
BENJ. F. GIBSON
CLAUDE MAHAUX
DAVID F. MEASDAY
ROBERT G. STOKSTAD

Term ending 31 December 1980
DAVID B. FOSSAN
EVANS HAYWARD
DANIEL S. KOLTUN
CARL M. SHAKIN

Published by the
American Institute of Physics
for
The American Physical Society

Offices of the Society and the Institute
335 East 45th Street
New York, N. Y. 10017

Officers of the Society

President
NORMAN F. RAMSEY
Harvard University

Vice-President
LEWIS M. BRANSCOMB
IBM Corporation

Vice-President Elect
MARVIN L. GOLDBERGER
Princeton University

Executive Secretary
W. W. HAVENS, JR.
Columbia University

Treasurer
JOSEPH A. BURTON
Bell Laboratories
(retired)

Managing Editor of The Physical Review
B. CHALMERS FRAZER
Brookhaven National Laboratory

Manuscripts for publication should be submitted in duplicate to the Editor, *Physical Review,* Brookhaven National Laboratory, Upton, N. Y. 11973. Submission is a representation that the manuscript has not been published previously nor is it currently under consideration for publication elsewhere. The manuscript should be accompanied by a statement transferring copyright to APS. This written transfer of copyright, which previously was assumed to be implicit in the act of submitting a manuscript, is needed under the new (1978) U.S. copyright law. Requests for information or exceptions should be addressed to the Executive Secretary, The American Physical Society.

To support the cost of wide dissemination of research results through publication of journal pages, the authors' institutions are requested to pay a publication charge of $70 per page, which, if honored, entitles them to 100 free reprints. Nonpayment of the publication charge may lead to delays in publication. An additional $15 per article is requested for advance publication of the abstract in *Physical Review Abstracts.*

Subscription prices (table below) for American Physical Society members only are for the fiscal year July 1, 1978–June 30, 1979. The prices in parentheses are nonmember subscription prices (January–December 1978). Domestic subscription rates apply to U.S. & Possessions, Canada, and Mexico. Back-number price: Single copies, $7.00.

	No. issues	Domestic	Foreign surface mail	Optional air freight Europe	Asia
Physical Review C	12	$20.00 (70)	$27.00 (77)	$46.00 (95)	$65.00(114)
Physical Review Index	2	3.50 (12)	6.50 (15)	9.50 (17)	10.50 (18)
Physical Review A, B, C, D, & Index	74	120.00(420)	162.00(462)	254.00(548)	352.00(646)

Microfilm subscriptions to *Physical Review A-D* (including indexes) are available on 16- and 35-mm film. Send orders and inquiries to: Dept. N/M, American Institute of Physics.

Subscriptions, renewals, address changes, and single-copy orders should be addressed to: Subscription Fulfillment Division, American Institute of Physics. Allow at least six weeks advance notice. For address changes please send both old and new addresses, and, if possible, include an address stencil imprint from the mailing wrapper of a recent issue. A change-of-address form is included in every issue of *Physics Today.*

Copyright 1978, The American Physical Society

Permission is granted to quote from this journal with the customary acknowledgment of the source. To reprint a figure, table, or other excerpt requires, in addition, the consent of one of the original authors and notification of APS.

No copying fee is required when copies of articles are made for educational or research purposes by individuals or libraries (including those at government and industrial institutions).

Republication or reproduction for sale of articles or abstracts in this journal is permitted only under license from APS; in addition, APS may require that permission also be obtained from one of the authors. Address inquiries to the Executive Secretary, The American Physical Society.

Physical Review C is published once a month on the 1st of each month. Second-class postage rates paid at New York, N. Y., and additional mailing offices.

ISSN: 0556-2813