

THE JOURNAL OF CHEMICAL PHYSICS

BOARD OF EDITORS

J. W. STOUT, *Editor*

Associate Editors

Term ending 31 December 1968

DAVID A. DOWS
EUGENE HELFAND
D. R. HERSCHBACH
R. PARISER
I. PRIGOGINE
WILLIAM T. SIMPSON

Term ending 31 December 1969

E. CLEMENTI
JOSHUA JORTNER
WILLIAM KLEMPERER
EDWIN N. LASSETTRE
BRUCE MCGARVEY
JOHN ROSS

Term ending 31 December 1970

DANIEL KIVELSON
M. KRAUSS
A. D. MCLACHLAN
FRANK H. STILLINGER, JR.
DAVID WHITE
MAX WOLFSBERG

EDITORIAL ASSISTANTS AT AIP

Supervisor, Journal Publications: R. MELTZER; *Senior Copy Editor:* J. CANNON;

Copy Editors: L. CARTER, A. GUTMAN, M. HOBBS, L. JOHNSON, W. MERRIS, AND L. SMITH

THE JOURNAL OF CHEMICAL PHYSICS is published semi-monthly by the American Institute of Physics. Its purpose is to bridge a gap between journals of physics and journals of chemistry. The artificial boundary between physics and chemistry has now been in actual fact completely eliminated, and a large and active group is engaged in research which is as much the one as the other. It is to this group that the Journal is rendering its principal service and makes its greatest appeal, both as a prompt and efficient medium for publication of research and as a convenient and carefully edited assemblage of pertinent information.

Information for Contributors

Send manuscripts to J. W. STOUT, Editor, *The Journal of Chemical Physics*, James Franck Institute, The University of Chicago, Chicago, Illinois 60637. Unless otherwise stated, submission of a manuscript is a representation that it has been neither copyrighted nor published or submitted for publication elsewhere.

An abstract must accompany each article. It should be adequate as an index and as a summary. Textual material (abstract, body of the paper, tabular material, references, and figure captions) must be in English, typewritten (except mathematical expressions) double-spaced with wide margins on a durable, white paper, preferably 8½ by 11 inches. The original copy, *not* the carbon, must be submitted. For general style, spellings, abbreviations, and form, consult recent issues of this Journal. The authors' institutions are requested to pay a publication charge of \$60.00 per page—which, if honored, entitles them to 100 free reprints—plus a \$10.00 per-article charge toward the support of its abstracting and indexing in *Physics Abstracts*. Instructions will be sent with galley proofs.

All mathematical expressions and formulas, insofar as possible, should be typed, with unavailable Greek letters or symbols inserted neatly in ink. Distinguish between capital and small letters. Avoid complicated superscripts and subscripts. Avoid repetition of a complicated expression by representing it by a symbol. Identify in the margin handwritten Greek letters and unusual symbols. Use fractional exponents instead of root signs, and use the solidus (/) for fractions wherever its use will save vertical space.

References should appear as consecutively numbered footnotes. Literature citations of technical journals should be in the form indicated in the Style Manual of the American Institute of Physics and in *Chemical Abstracts List of Periodicals 1961* (Special Issues Sales, American Chemical Society, 1155 16 St. NW, Washington, D. C. 20036).

Tables may be typewritten on sheets separate from the running text. Each table must have a caption that will

make the data in the table intelligible without reference to the text. Avoid complicated column headings.

Figures should, whenever practicable, be planned for reproduction in one-column width (7.5 cm). Line drawings should be India ink on white paper or tracing cloth. The original drawing or a high-quality glossy print should be submitted. To facilitate mailing and handling, original drawings should not exceed 22 by 28 cm in size. Lettering, preferably drawn with a mechanical set, should be of a size so that when reduced the smallest lower-case letters will not be less than about 1.5 mm. Avoid gross disparities in lettering size on a drawing. Consult the Style Manual of the American Institute of Physics for further discussion of figures. Type figure captions on a separate sheet of paper. Number figures consecutively. Identify each original drawing or photograph with the figure number and authors' names, written where they will not be reproduced.

A limited number of alterations in proof are unavoidable, but the cost of making extensive alterations after the article has been set in type will be charged to the author.

Proof and all correspondence concerning papers in the process of publication should be addressed to the Supervisor, Editorial Department, American Institute of Physics, 335 East 45 Street, New York, New York 10017. Reference must be made to title, author, journal, and scheduled date of issue.

Subscription Price

	U.S.A. and Possessions, Canada, and Mexico	Elsewhere
Members of Member and Affiliated Societies of the American Institute of Physics (except members of APS)	\$25.00	\$31.00
Members of APS	20.00	26.00
All others	45.00	51.00

Back-Number Prices

Yearly rate when complete year is available: \$50.00.
Single copies: \$3.00.

Subscriptions, renewals, and orders for single copies should be addressed to the American Institute of Physics, 335 East 45 Street, New York, New York 10017. Change of Address. Allow at least six weeks' advance notice. Send both old and new addresses to the Circulation Department, American Institute of Physics. If possible, please include an address stencil imprint from the mailing envelope of a recent issue.