OFFICERS OF THE ACADEMY

President................................................. F. B. Jewett
Vice President........................................ L. P. Eisenhart
Foreign Secretary..................................... D. W. Bronk
Home Secretary....................................... Fred E. Wright
Treasurer.............................................. J. C. Hunsaker

EDITORIAL BOARD

The Home Secretary and the Foreign Secretary of the Academy
The Chairman of the National Research Council

A. Beran................................................. E. W. Goodpasture E. O. Lawrence
A. L. Day.............................................. R. F. Griggs W. R. Miles
C. A. Elvehjem......................................... A. I. Hallowell W. J. V. Osterhout
L. P. Eisenhart....................................... L. P. Hammett F. H. Sears
F. M. Feiker........................................... F. B. Jewett L. H. Weed
R. C. Gibbs........................................... A. B. Lamb S. Wright

INFORMATION TO SUBSCRIBERS

Checks covering subscriptions to the Proceedings of the National Academy of Sciences at the rate of $5.00 per annum should be made payable to the National Academy of Sciences, and sent to the Treasurer, National Academy of Sciences, Constitution Ave. & 21st Street, Washington 25, D. C. Single numbers $0.50.

Past publications of the National Academy of Sciences from 1863 to 1926 and of the National Research Council from 1916 to 1925 are listed in the Index to the First Ten Volumes of these Proceedings. This Index appeared as Part 2 of Volume 13, No. 1, January, 1927, and is for sale separately at the price of $1.50. Orders should be sent to the Home Secretary, National Academy of Sciences, Constitution Ave. & 21st Street, Washington 25, D. C.

Past volumes of the Proceedings may be obtained at five dollars per volume unless the sale of the volume would break a complete set of Volumes I to X. Single numbers may be obtained for fifty cents except where the sale of such numbers would break up a complete volume. Only two hundred complete sets of the Proceedings are available for sale—Volumes I to X, price $75.00 (including Index, see supra). Orders should be sent to the Home Secretary, National Academy of Sciences, Constitution Ave. & 21st Street, Washington 25, D. C.

The following publications are issued by the National Research Council. Orders and inquiries should be addressed: Publication Office, National Research Council, Constitution Ave. & 21st Street, Washington 25, D. C.

(A) The Bulletin of the National Research Council, published at irregular intervals. Individual numbers priced variously. A discount of 20% from the list price will be given to all who subscribe for the series as issued, direct from the Publication Office.

(B) The Reprint and Circular Series of the National Research Council, individual numbers variously priced. A discount of 20% from the list price will be given to all who subscribe for the series as issued, direct from the Publication Office.
INFORMATION TO CONTRIBUTORS

The Proceedings is the official organ of the National Academy of Sciences and of the National Research Council for the publication of brief accounts of important current researches of members of the Academy and of the Council and of other American investigators. The Proceedings will aim especially to secure prompt publication of original announcements of discoveries and wide circulation of the results of American research among investigators in other countries and in all branches of science.

Articles should be brief. The viewpoint should be comprehensive in giving the relation of the paper to previous publications of the author or of others and in exhibiting, where practicable, the significance of the work for other branches of science. Elaborate technical details of the work and long tables of data should be avoided, but authors should be precise in making clear the new results and should give some record of the methods and data upon which they are based.

Manuscripts should be prepared with a current number of the Proceedings as a model in matters of form, and should be typewritten in duplicate with double spacing, the author retaining one copy. Illustrations should be confined to test-figures of simple character, though more elaborate illustration may be allowed in special instances to authors willing to pay for their preparation and insertion. Particular attention should be given to arranging tabular matter in a simple and concise manner.

References to literature, numbered consecutively, will be placed at the end of the article and short footnotes should be avoided. It is suggested that references to periodicals be furnished in some detail and in general in accordance with the standard adopted for the Subject Catalogue of the International Catalogue of Scientific Literature, viz., name of author, with initials following (ordinarily omitting title of paper), abbreviated name of Journal, with place of publication, series (if any), volume, inclusive pages, year. For example: Montgomery, T. H., J. Morph., Boston, 22, 731–815 (1911); or, Wheeler, W. M., Königsberg, Schr. physik. Ges., 55, 1–142 (1914).

Papers by members of the Academy or of the National Research Council may be sent to Edwin Bidwell Wilson, Managing Editor, Harvard School of Public Health, 55 Shattuck St., Boston 15, Mass. Papers by non-members of the Academy or Council should be submitted through some member.

Proof will not ordinarily be sent; if an author asks for proof, it will be sent with the understanding that charges for his corrections shall be billed to him. Authors are therefore requested to make final revisions on the typewritten manuscripts. The editors cannot undertake to do more than correct obvious minor errors.

Reprints should be ordered at the time of submission of manuscript. They will be furnished to authors at cost, approximately as follows:

<table>
<thead>
<tr>
<th>SCHEDULE OF RATES FOR REPRINTS, CARRIAGE CHARGES EXTRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. Copies</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>4 pp.</td>
</tr>
<tr>
<td>8 pp.</td>
</tr>
<tr>
<td>Covers</td>
</tr>
</tbody>
</table>