

Information for Contributors to *AIAA Journal*

Manuscripts: Send all manuscripts, with covering letter, to the Managing Editor, *AIAA Journal*, 500 Fifth Avenue, New York 36, N. Y. Each manuscript must be accompanied by written assurance as to security clearance in the event the subject matter lies in a classified area or if the paper originates under government sponsorship. Full responsibility rests with the author. Signed assurance must be given that the manuscript or its equivalent *has not been submitted for publication elsewhere*. The Society has prior publication rights to any paper presented at its meetings. Preprints will be considered automatically for publication in one of the Society's four periodicals. The author will be informed as soon as possible after a meeting as to the particular publication to which his preprint has been assigned. No formal submittal by the author will be necessary in the case of preprints, but the Editors would naturally welcome a statement by the author as to the journal he prefers.

Send 3 copies of each manuscript, typed double spaced on one side of the page only, with wide margins to allow for instructions to the printer. Use standard-size ($8\frac{1}{2} \times 11$ -in.) good-quality bond paper.

Manuscripts must be as brief as the proper presentation of the ideas will allow. Exclusion of dispensable material and conciseness of expression will influence the Editors' acceptance of a manuscript. In terms of standard-size double-spaced type pages, a typical maximum length is 22 pages of text (including equations), 1 page of references, 1 page of abstract, and 12 illustrations. Fewer illustrations permit more text, and vice versa. Greater length will be acceptable in exceptional cases, whenever the subject clearly merits expanded space. The Editor may request written justification to defend the extra space.

Short manuscripts, not more than one-quarter of the maximum length stated for full articles, may qualify for publication as Technical Notes or Technical Comments. They may be devoted to new developments requiring prompt disclosure or to comments on previously published papers. Such manuscripts are published within a few months of the date of receipt.

Titles and Authors' Names: The title should be brief. Lengthy titles will be shortened by the Editor. The author's name should be typed on the line below the title, and it is preferable to use the full name. The company affiliation should follow on the next line, with the author's official title given in a footnote.

Abstract: Each full-length paper must be accompanied by a 100- to 200-word abstract, written as a single paragraph, below the company affiliation. It should be a summary (not an introduction!) and complete in itself (no numerical references). The abstract should indicate the subjects dealt with in the paper and should state the objectives of the investigation. Newly observed facts and conclusions of the experiment or argument discussed in the paper must be stated in summary form. An inadequate abstract will be sufficient cause for delay in publication. For detailed instructions on the preparation of abstracts, see the *Style Manual of the American Institute of Physics*, page 5.¹

Mathematics: Equations and symbols may be handwritten or typewritten; clarity for the printer is essential. Greek letters and unusual symbols should be identified in the margin. If handwritten, distinguish between capital and lower case letters; between the letter o and zero; ell, the number one, and prime; k and kappa; u and mu; v and nu; n and eta; indicate subscripts and superscripts.

Always use the solidus for fractions in the text and for simple fractions in displayed equations. Avoid the radical

sign for indicating square root; use parentheses and fractional superscripts instead. Complicated special symbols should be avoided, such as letters with both a dot and a bar over them. Use angular brackets $\langle \rangle$ rather than a bar over a group of symbols to denote average.

References: References are to be grouped at the end of the manuscript and are to be given as follows:

1) Books: Whittaker, E. T., *Analytical Dynamics* (Dover Publications Inc., New York, 1937), 4th ed., Chap. IV, p. 91.

2) Journals: Brown, D. C., "Optical refraction with emphasis on corrections for points outside the atmosphere," *ARS J.* **31**, 549-550 (1961).

Use standard abbreviations for Journals as given in the "List of Periodicals" published by Chemical Abstracts. Always give inclusive page numbers for references to journal articles and a page or chapter number for books. Each reference must be cited in the text. Other literature may be listed under a heading "Bibliography."

Illustrations: Line drawings must be clear and sharp to make clear engravings. Use black ink on white paper or tracing cloth. Lettering should be large enough to be legible (at least $\frac{1}{16}$ in. high) after reduction. Plan figures for reduction to column width ($3\frac{1}{4}$ in.). Photographs should be glossy prints, not matte or semi-matte. Each illustration must have a caption; captions should be listed in order on a separate sheet. Write your name and the figure number in the margin of each illustration. Cite each figure in numerical order in the text.

Tables: Tables should be planned to fit the page width of the Journal (7 in.). Tables that must be placed sideways are to be avoided. Use a double rule at the top, a single rule under the column headings, a double rule at the end. Avoid vertical rules, which are expensive to set. Table footnotes should be placed under the final double rule and should be indicated by letters a, b, c, etc. Do not number table footnotes consecutively with text references. Each table must have a caption. Cite each table in numerical order in the text.

Symbols: Use standard symbols whenever possible, preferably those recommended by the American Standards Association. For a list of special symbols available to most printers, see the *Style Manual of the American Institute of Physics*.¹

Alterations: Take great care that the manuscript is typographically accurate. A limited number of alterations in proof are unavoidable, but the cost of making extensive alterations in proof as a result of an inaccurate or unclear manuscript will be charged to the author. Likewise, the cost of remaking engravings as a result of an incorrect original drawing will be charged to the author.

Check List:

- 1) Letter of submittal with written assurance that article or its equivalent has not been submitted elsewhere
- 2) 3 copies, typed original manuscript, covering letter
- 3) Abstract
- 4) Original line drawings of figures, glossy prints of photographs; preferably not larger than $8\frac{1}{2} \times 11$ in.
- 5) List of figure captions typed on separate page
- 6) Titles of articles and inclusive page numbers for journal references: page or chapter number for book references
- 7) All references, figures, and tables numbered consecutively and cited in numerical order in the text
- 8) Greek letters and unusual symbols identified for printer

¹ Available from American Institute of Physics, 335 East 45th Street, New York 17, N. Y. Price: \$1.00.