Guidelines for Authors

1. The *Proceedings of the Iowa Academy of Science* is a quarterly publication, issued by the Iowa Academy of Science.

2. The *Proceedings* publishes original research in the various fields represented by its membership, short research notes, authoritative review articles, informed commentaries by scientists on topics of general interest, articles dealing with science teaching, and other material of interest to its members. As the publication of a multidisciplinary scientific organization, it welcomes material of general interest to the scientific community. We will not publish previously copyrighted material.

3. Manuscripts should be sent to the editor, Dr. T. E. Rogers, Department of Biology, Cornell College, Mt. Vernon, Iowa 52314.

4. The Editorial staff will examine manuscripts from members of the Academy or from other workers in scientific fields. Papers will be submitted to referees for critical evaluation and accepted or rejected for publication on their recommendations and those of the editors. Preference for space will be given to manuscripts by members, and to papers based on talks delivered at the annual meetings or other meetings of the Academy. Non-members will be subject to a page charge, based on the actual cost of publication.

5. Research notes should consist of a short introductory statement, a brief statement of the methods and materials used, and a report of the new data obtained. They should run no more than three or four double-spaced pages. Longer articles are best handled as regular research papers.

6. The manuscripts must be typewritten, double-spaced throughout, including tables, footnotes, figure captions, and references. Submit an original and a copy of the manuscript and 2 copies of the illustrations. One of the illustration copies is to send with the manuscript to the reviewer and need not be a top quality reproduction.

Authors should refer to the style manual appropriate to the discipline for details of style, and format. References should be arranged and cited in accordance with the instructions in such style manuals. If doubts exist as to a suitable style manual, it may be necessary to consult the Associate Editor who may be involved in the review and who is named inside the back cover of this journal.

Use italics (indicated by underlining) for generic and specific names, for the titles of books, and for the names of journals. If abbreviations are used they should conform to those approved in the appropriate abstract service. Chemical terms should be consistent with the system used in the index of the *Chemical Abstracts*.

Use the binomial Latin name of organisms in full when they are first mentioned, underlining them to indicate italics. Subsequently the generic name may be abbreviated, or, if preferred, the common name may be used, if it has been introduced with the full name originally.

The scientific name of a chemical must be used when the compound is first referred to. If abbreviations or popular or trade names are to be used, place them throughout the text.

It is preferable to define the concentration of solutions in terms of normality or molarity, or as the wt of solute in a definite volume of solvent. Use % only to express g/100g of solution. Use % (v/v) to express ml/100 ml of solution.

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Plan illustrations so they will fit, or can be reduced legibly, to a single column or a page. The maximum size of a figure is 182 mm by 232 mm for a whole page and 88 mm wide for a single column. If larger illustrations are sent, they must be accompanied by smaller photographs of good quality to permit reviewing.

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Where an excessive number of figures is included with the manuscript, the authors may be asked to help defray the cost of engraving. The editor will notify authors in advance, if this is to be the case, and give approximate costs. No color figures can be printed.

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