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 materials and methods 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 be sent 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 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.

Extensive footnotes will be treated as an appendix and placed at the end of the text.

Do not write out numbers except at the start of a sentence or where no space is saved by using numbers. Use 2nd rather than "second" in labels, legends, and technical descriptions. Use chemical formulae for common chemicals.

7. Papers dealing with teaching, laboratory techniques, or experiments, should include all pertinent data on apparatus, specifications, descriptions of unusual programs, courses, annotated bibliographies, or other materials which may be of interest to the membership.

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Plan illustrations so they will fit a single or double column, i.e., they should be 88mm wide or 184mm wide. If several larger illustrations are sent they should all be scaled so as to require the same degree of reduction to fit the one or two column width. Charges to the author may otherwise be necessary. Photographs ganged on one page should be of uniform contrast to avoid charges for corrective photographic work. If over-size illustrations are sent that must be reduced, they should be accompanied by smaller photographs of good quality to permit reviewing. No color figures can be printed.

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