

# *The Ohio Journal of Science*

## Author's Instructions for Preparation of Manuscripts

*The Ohio Journal of Science* considers for publication solicited **Book Reviews** and **Research Reviews**, and unsolicited **Brief Notes** and **Research Reports**. Solicited submissions will be requested by the editor or member of the editorial board. Book reviews will be requested of experts in the subject matter of the book to be reviewed. Research Reviews will be requested to serve as extensive surveys of the literature of an area of science in which Academy members have an interest.

Unsolicited submissions, in the form of presentations of quantitative or qualitative data pertinent to any of the divisions of the Academy listed inside the front cover, will be considered for peer review. Brief notes are manuscripts that are less than 2 printed pages (approximately 6 typed pages) and contain no more than one table, figure or other type of illustration. The editor will identify papers which meet these criteria as Brief Notes if not already categorized as such by the author. Research Reports are those papers which are longer than 2 pages or contain more than one illustration.

All manuscripts will be organized as follows:

Page 1 – Title, Author(s), Running Head, Abstract

Page 2 and remainder – Introduction, Materials and Methods, Results, Discussion, Acknowledgments, Literature Cited, Tables, Figure Legends, Figures.

**STYLE.** *The CBE Manual for Authors, Editors, and Publishers*, 7th Ed. is used for editorial decisions with regard to style. Manuscripts should be typewritten using 1 inch margins on 8.5 x 11 inch paper. Text should be left-justified using elite print (twelve characters per inch). Three copies should be submitted. Manuscript should be double spaced throughout, including the title and abstract. Arabic numerals should be used in preference to words when the number designates anything that can be counted or measured (7 samples, 43 species). One exception to this use is that numerals are not used to begin a sentence (Twenty-one species were found in ...). The 2nd exception is when 2 numeric expressions are adjacent in a sentence. The number easiest to express in words should be spelled out and the other left in numeric form (The sections were divided into eight 4-acre plots).

**TITLE, AUTHOR(S), AFFILIATION(S).** The first page of the manuscript should contain the title, author(s) name(s), the affiliation of the author(s) at the time the research was carried out, a shortened title (running head), and the abstract. The title must be typed in upper and lower case letters as it will appear when typeset. Name(s) of the author(s) should be typed in capital letters below the title. The address (department, institution, city, state, postal code, country if not USA) should appear below the name of the author(s). If more than one institution is to be credited, they should appear in the order of the authors' affiliation. A running head of not more than 38 letters and spaces should be typed in capital letters between the address and the abstract.

**ABSTRACT.** The abstract should summarize the main conclusions and any new methods or procedures critical to the results of the study. It should be 250 words or fewer.

**INTRODUCTION.** The introduction should describe the knowledge that gave rise to the question examined by, or the hypothesis posed for the research.

**MATERIALS AND METHODS.** This section should describe the research design, the methods and materials used in the research (subjects, their selection, equipment, laboratory or field procedures), and how the findings were analyzed.

**RESULTS.** The text of the results should be a descriptive narrative of the main findings, of the reported study. This section should not list tabulated data in text form. Reference to tables and figures included in this section should be made parenthetically in the text.

**DISCUSSION.** This section should compare and contrast the data collected in the presented study with that previously reported in the literature. Unless there are specific reasons to combine the two, as explained by the author in the letter of transmittal, Results and Discussion should be two separate sections.

**ACKNOWLEDGMENTS.** Colleagues and/or sources of financial support to whom thanks are due for assistance rendered in completion of the research or preparation of the manuscript should be recognized in this section rather than in the body of the text.

**LITERATURE CITED.** References to scientific literature should be arranged alphabetically by first author's last name using the Name/Year (N-Y) method as described in the *CBE Manual*.

### *Journals:*

Author(s). Year. Article title. Journal title volume number (issue number):inclusive pages.

Thomison JB. 1988. Uniform requirements for manuscripts. *South Med J* 81(8):947-52.

*Form of citation:* (Thomison 1988)

### *Books:*

Author(s). Year. Title. Place of publication: publisher name. Number of pages.

Voet D, Voet JG. 1990. *Biochemistry*. New York: J Wiley. 1223 p.

*Form of citation:* (Voet and Voet 1990)

*Multiple author citation:* (Steiner and others 1992)

**TABLES.** Tables must be typed double spaced, one table to a page, numbered consecutively, and placed in the manuscript after Literature Cited. Since tables must be individually typeset, consolidation of data into the smallest number of tables is encouraged. A horizontal double underline should be made beneath the title of the table, and single underlines should be made the width of the table below the column headings and at the bottom of the table. Do not use vertical lines, and do not place horizontal lines in the interior of the table. Footnotes should be used to clarify possible questions within the table, and should be noted by asterisks, daggers, or other symbols to avoid confusion with numerical data.

**FIGURES.** All illustrations are referred to as "Figures" and must be numbered consecutively. Figures may be photographs, hand-drawn or computer generated drawings in black ink. Each figure should be identified along the top edge with the name of the author(s) and figure number, and on the back with name of author(s) and manuscript title. Illustrations other than those generated by the author(s) must bear permission for use and credit to the originator. ORIGINAL ARTWORK WILL NOT BE RETURNED UNLESS SPECIFICALLY REQUESTED AT TIME OF SUBMISSION. Each figure must have a complete legend. The legend should not be placed on the figure, but should be typed in order, double-spaced, on a separate sheet which precedes the figures in the manuscript. Figures should be referred to parenthetically in the text, for example (Fig. 1). The size and proportion of each illustration should be suitable for reduction. Excessive white space should be avoided. Illustrations other than reduced to one column width (3 and 3/8 inches) or two column width (7 inches) at the discretion of the editor. Lettering should be done of a size to ensure that it can be read after reduction. On maps and other illustrations where original size is a concern, a graphic scale should be incorporated into the figure.

**FOOTNOTES.** Text footnotes **should not be used** with the following exceptions. A footnote to the title will be added editorially to state the dates of manuscript submission and revision. A footnote to name(s) of author(s) may be used to indicate present address different from that at which the research was done, or to indicate the author to whom inquiries should be directed. All other material or comments must be incorporated into the text. Literature Cited should not be inserted as foot-notes. Footnotes to tables are permissible, and are encouraged to promote clarity.

Attention to the above instructions will minimize the need for revision and editorial correction, and will shorten the time from submission to publication. Any questions which are not answered by these instructions, or by consulting the *CBE Manual for Authors, Editors, and Publishers*, 7th Edition, should be addressed to the editor.

After consulting the manuscript preparation guidelines at <http://www.ohiosci.org/ojsinstr.htm>, please submit all materials to:

### **Manuscript Processing**

*The Ohio Journal of Science*  
1500 W Third Ave Ste 228  
Columbus OH 43212-2817

For technical questions about electronic formats or other details for submission, contact:

Phone: 614-488-2228

Fax: 614-488-7629

[oas@iwaynet.net](mailto:oas@iwaynet.net)



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*Fostering curiosity, discovery and innovation to benefit society.*



### The Ohio Academy of Science—Ohio State Bar Association Intellectual Property Law Section

## Ohio Patent Award

Deadline: postmarked by March 15. See [www.ohiosci.org/PatentAward.pdf](http://www.ohiosci.org/PatentAward.pdf)

### Purpose

THE PURPOSE OF The Ohio Academy of Science (OAS)/Ohio State Bar Association Intellectual Property Law Section (OSBA) Patent Award is to recognize individuals or organizations and their counsel who have contributed new intellectual property in the form of a granted patent within the geographical state of Ohio. Ohio has a rich history of innovation including the controlled, powered airplane, the automobile self starter, the flip top can, the vaccine for feline leukemia, and numerous other patented inventions which have had a worldwide impact. The award will also recognize the attorney who has helped in the development and prosecution of the patent.

### Eligibility

The patent may be from a not-for-profit or for-profit corporation, government agency, an academic institution or association, or from an individual inventor residing in Ohio. The assignment of the rights, if applicable, of the invention must be to an organization within the State of Ohio. The law firm or attorney that prosecuted the patent must reside within the State of Ohio. The award will be presented each year for an invention patented at least two years prior to the application date for the award.

### Nominating Process

The call for nominations will be published in *The Ohio Journal of Science*, appropriate OSBA publications, and on the OAS and OSBA websites. Nominations may be made by an in-

dividual or by a professional organization or law firm for an individual, an academic institution, an industry, or a government agency. The OAS may solicit trade and professional organizations for possible nominations.

### Selection Process

A panel of five members chosen by the Academy's Board of Trustees and the OSBA, will evaluate the nominations for the patent award based on several criteria that includes the following: (a) most prolific (greatest number) of patents in a year, or (b) a patent which has significantly impacted the state of Ohio through positive changes measured by economic, social change, health benefits, growth of new industries, jobs, or other possible criteria. The attorney associated with the winning patent award is thus selected by association with the outstanding patent. The Academy's Board of Trustees will choose 3 members of the panel and the OSBA will choose 2 members of the panel.

### Type of Award

An engraved plaque will be given to each inventor at the Academy's annual spring meeting. The attorney of record of the patent or his/her law firm will receive an engraved plaque at the annual meeting of the OAS or the annual convention of the OSBA, at their choosing. The results will be described each year in a brief article to appear in *The Ohio Journal of Science* and posted on the OAS web page.

### Nomination/Application Process

All applications must be mailed to The Ohio Academy of Science by the postmarked date of March 15 or \*\*submitted electronically. Mail first class; please do not send special delivery. Include a self-addressed, stamped postcard to acknowledge receipt. An online, printable application form is posted at [www.ohiosci.org/PatentAward.pdf](http://www.ohiosci.org/PatentAward.pdf)

Submit seven (7) total printed copies of the package, backed and stapled in the upper left corner. One should have original signatures. The package should include the following in this order:

1. Application/Nomination Cover sheet
2. One page, single spaced, popularly written summary of the significance of the patent as measured by economic, social change, health benefits, growth of new industries, jobs, or other possible reasons. Entitle the page with the short title of the patent, patent number, date of patent and inventor's name. This summary will be used both for review and media purposes.
3. Copy of the patent document.
4. Full CV or resume of inventor.
5. Up to three, one page letters of support addressed to: OAS/OSBA Patent Award Review Committee.
6. Other supporting documents stapled with the package. Please do not use special binding.

### Mail first class to

OAS/OSBA Patent Award  
The Ohio Academy of Science  
1500 W. Third Ave. Ste. 228  
Columbus OH 43212-2817

**\*\*Alternative electronic submission** may be made by attaching the complete package as a single Adobe Acrobat PDF file attached to an email by 11:59 PM, March 15. Please name the file with the last name of the inventor plus the patent number and attach to an email to [oasoffice@trohio.com](mailto:oasoffice@trohio.com). The subject line should be the file name.

Please sign the application digitally using a digital cryptographic signature or certificate or mail cover sheet with original signatures.