New Guidelines
for Submission of Manuscripts
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Please submit duplicate copies of manuscripts and illustrations accompanied by a CD-ROM with a text file in MSWord™ and separate files of each illustration in tiff format. Digital photographs should be recorded on at least a three megapixel camera. Original photographic prints or color transparencies and high resolution line art prints of maps or graphs are also acceptable. Additionally, as accessible at http://www.ohiosci.org/ojsinstr.htm, the following forms must be submitted with the manuscript: (1) affirmation of originality, (2) copyright transfer and (3) page charge acceptance. Prior to preparation please consult recent issues of The Ohio Journal of Science and follow the manuscript preparation guidelines at http://www.ohiosci.org/ojsinstr.htm.

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Please contact the Editor directly for general questions regarding manuscript content or appropriateness of submission to The Ohio Journal of Science:
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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, 6th 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 at the time the research was carried out, a shortened title (running head), should contain the title, author(s) name(s), the affiliation of the author(s). If more than one institution is to be credited, they should be listed 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.


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Books:
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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 will be reduced to one column width (5 and 5/8 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 inquires should be directed. All other material or comments must be incorporated into the text. Literature Cited should not be inserted as footnotes. 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, 6th Edition, should be addressed to the editor.

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T HROUGH more than 100 vignettes, Heartland Science portrays how Ohioans have changed the world through discovery and innovation in science, engineering, technology, medicine and health care.
HERE, again, is a long-awaited book. First published in 1979 in hardcover and out-of-print since the early 1980s, it is presented here for the digital age in full-color Adobe Acrobat® format on a CD-ROM. Twenty eight specialists invite the reader to survey in a single volume the whole of Ohio's natural environment. The geologic forces that shaped the state, the colorful plant and animal life of its forests, prairies, hills, lakes and streams, the first people in what is now Ohio—these are only a few of the features that are described.

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Ohio's place in history has been achieved by the use of our rich natural endowment. Our forests, soils, minerals and energy resources, streams, climate, plants and animals have been the foundation upon which our great agricultural and industrial state has developed. This book commemorates and interprets our great natural heritage for all to appreciate and understand. Published in cooperation with The Ohio Department of Natural Resources, Division of Wildlife and Division of Natural Areas and Preserves.

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Michael B. Lafferty
Editor-in-Chief

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**Contents**


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SPECIAL CD-ROM edition for educators was funded in part by a grant to The Ohio Academy of Science from The Ohio Environmental Education Fund. This fully-searchable CD-ROM features links to Ohio’s Science and Social Studies Academic Content Standards with inquiry-based lesson plans for each chapter.