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Back Matter

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AUTHOR’S INSTRUCTIONS FOR PREPARATION OF MANUSCRIPTS FOR PUBLICATION IN THE OHIO JOURNAL OF SCIENCE

THE OHIO JOURNAL OF SCIENCE considers for publication submissions of the following nature:

1. Solicited Submissions - Book Reviews, Research Reviews.
2. Unsolicited Submissions - Brief Notes, Research Reports.

Solicited submissions will be requested by the editor or by a member of the editorial board. Book Reviews will be requested of individuals expert in the subject matter of the book to be reviewed. The approximate length will be 750 words, and the text will include a brief description of the subject matter addressed by the volume, its outstanding strong points, and any obvious weaknesses. Research Reviews will be requested to serve as surveys of the literature of an area of science in which Academy members have an interest. In general, reviews will comprise five to ten printed pages. Organization and format of solicited material will be determined by the author(s) and the editorial staff.

Unsolicited submissions, in the form of presentations of quantitative or qualitative data pertinent to any of the sections of the Academy listed inside the front cover, will be considered for peer review. Brief Notes are manuscripts which will extend beyond two printed pages and which will contain two or more pieces of illustrative material. Regardless of the length of manuscript, unsolicited submissions should be organized according to the following format:

Page 1 - Title, Author(s), Affiliation(s), Abstract
Page 2 and the remainder - Body of the paper in the order: Introduction, Materials and Methods, Results, Discussion, Acknowledgements, Literature Cited, Tables, Figure Legends, Figures.

STYLE. The general style of papers previously published by THE OHIO JOURNAL OF SCIENCE should be employed, and can be determined by reading recent issues of THE OHIO JOURNAL. Manuscripts should be typewritten with wide margins on 21.6 x 27.9 cm (8.5 x 11) paper, and be double-spaced throughout including the title and abstract. The only words to be underscored are scientific names. Spell out numbers one through nine and use Arabic numerals above nine. Extensive quotations in the text should be typed slightly indented from the other text. Acceptable symbols and abbreviations for units of measurement should be used as given in the CBE Style Manual, 5th ed. (Council of Biology Editors, Inc., 9050 Rockville Pike, Bethesda, MD 20814). This volume is used for editorial decisions with regard to style. Primary text reference should use the International System of Units in all cases, with parenthetical reference to English units at the discretion of the author.

The following guidelines should be adhered to in the organization of the manuscript.

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 and abstract should 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) where the research was done should be typed below the name of the author. If more than one institution is to be credited, the names should be separate sections. The only words to be underlined are scientific names. Spell out names of more than six pages of typewritten text, and do not include more than one piece of illustrative material (i.e., table, figure, or other illustrations). The editor will identify papers which meet these criteria as Brief Notes if not so categorized by authors. Research Reports are papers which will extend beyond two printed pages and which will contain two or more pieces of illustrative material. Regardless of the length of manuscript, unsolicited submissions should be organized according to the following format:

Page 1 - Title, Author(s), Affiliation(s), Abstract
Page 2 and the remainder - Body of the paper in the order: Introduction, Materials and Methods, Results, Discussion, Acknowledgements, Literature Cited, Tables, Figure Legends, Figures.

ABSTRACT. The abstract should be a meaningful summary of the significant findings reported in the Brief Note or Research Report. It should be self-sufficient for the presentation of main conclusions and any new methods or procedures critical to the results of the study. The abstract should be 250 words or less and should be written in complete sentences for purposes of comprehension and clarity. Phrases such as "is presented," "is discussed," or "is explained," or "is discussed" should not be used. Abstracts from THE OHIO JOURNAL should be typewritten in capital letters between the address and the abstract.

MATERIALS AND METHODS. This section should contain sufficient detail to allow the reader to attempt replication of the reported research. Information made by authors to permit citation only to research methods devised by others, any unique modifications of the standard procedure should be explained. Any statistical methods used in the analysis of data should be described and documented.

RESULTS. The text of the results should be a descriptive narrative of the main findings, both positive and negative if the latter occurred, of the reported study. This section should not be simply a listing of the tabulated data in text form. Reference to tables and figures included in this section should be made parenthetically in the text. Please use Times Elite (12 points per inch) type. A running head of no more than 56 letters and spaces should be typed in capital letters below the address and the abstract.

DISCUSSION. This section should consist of the comparing and contrasting of data collected in the presented study with that previously reported in the literature. A goal is to incorporate at least one literature citation and one reference to illustrative material from the Results section into each paragraph of discussion. Unless there are specific reasons to combine the two, as explained by the author in the letter of transmittal, Results and Discussion should be separate sections.

ACKNOWLEDGEMENTS. 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 according to the following examples:


Abbreivation of journal titles should be supplied by the author, and should conform to the CBE Style Manual, 5th ed. (Council of Biology Editors, Inc., 9050 Rockville Pike, Bethesda, MD 20814). This volume is used for editorial decisions with regard to style. Primary text reference should use the International System of Units in all cases, with parenthetical reference to English units at the discretion of the author.

TABLES. Tables should 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. 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. General style of tables can be seen in recent issues of THE OHIO JOURNAL.

FIGURE LEGENDS. Each figure must have a complete legend even though the material is described in the text. The legends 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).

FIGURES. All illustrations are referred to as “figures,” and must be numbered consecutively. Figures may be photographs, or hand- or computer-generated drawings in black ink. For the sake of economy, or to avoid unnecessary duplication, authors should use the International System of Units in all cases, with parenthetical reference to English units at the discretion of the author.

ORIGINAL ART WORK WILL NOT BE RETURNED UNLESS SPECIFICALLY REQUESTED AT TIME OF SUBMISSION. THE AUTHOR MUST SUPPLY A STAMPED SELF-ADDRESSED ENVELOPE FOR RETURN. The size and proportions of each illustration or group of illustrations should be suitable for reduction to the width and length of the printed page (17.8 x 24.1 cm, 7 x 9.5 in). Care should be taken to minimize the space occupied by any figure, and excessive white space should be avoided. Line drawings should not exceed 20 x 25 cm (8 x 10 in). If carefully drawn, figures need be no more than 35% larger than the size desired in print. 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. Besides the original art work for each illustration, two photocopies of each should be submitted to avoid delay in the review process.

FOOTNOTES. Text footnotes should not be used with the following exceptions: A footnote to a 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 a 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. In no case should literature citations be inserted as footnotes. They must be listed in the Literature Cited section. 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, by examining papers in recent issues of THE OHIO JOURNAL, or by the CBE Style Manual, 5th ed., should be addressed to the editor.
Call for Nominations

Heartland Science
Ohio's Heritage of Discovery & Innovation

Heartland Science is a project of The Ohio Academy of Science Centennial Celebration Commission to identify sites of Scientific Significance in each of Ohio's 88 counties.

Introduction

Significant achievements have been made by Ohioans in science, engineering, technology and education. While many of those who have made important discoveries or developed innovations will be honored during the Centennial Year by The Ohio Academy of Science Centennial Celebration Commission, it is also important for Ohioans to understand the underlying principles and concepts of science, engineering, technology and education. The rest of the story needs to be told.

Purpose

The purpose of this project is to raise the visibility of the Ohio Academy of Science by association with the achievements of a significant number of eminent Ohio men, women, institutions, organizations and corporations having a stake in science, engineering, technology and education.

Goal

The goal of this project is to instill in all Ohioans a greater interest, appreciation, and understanding of Ohio's rich heritage of discoveries and innovations in science, engineering, technology and education.

Objectives

1. to identify sites or localities where significant discoveries or innovations have occurred or where institutions, companies or individuals associated with these achievements once worked or lived;

2. to provide State and national recognition for these sites through public ceremonies, resolutions, proclamations, plaques, rosters, publications, and other media or activities; and

3. to interpret via one or more publications both the historical significance of the sites and the underlying important principles and concepts.

How to Nominate a Site

Nomination forms contain the information for identification and correspondence purposes. The forms will serve as a cover sheet for a proposal from nominators in which they explain the historical significance of the site or locality in the context of science, engineering, technology or education. The nominator will also be asked to discuss the underlying scientific, engineering, technological, and educational principles, concepts and understandings. Deadline: Postmarked by October 1, 1991.

For nomination forms write:

Heartland Science
The Ohio Academy of Science
445 King Avenue
Columbus, OH 43201
(614) 424-6045