

# *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 will be 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

# STONE LABORATORY

The Ohio State University's Island Campus on Lake Erie

## APPLY NOW for Summer 2012 Courses

F.T. Stone Laboratory, The Ohio State University's Island Campus on Lake Erie, offers more than 25 college credit courses to undergraduate and graduate students, educators, and advanced high school students every summer.

### Introductory Courses for All Majors

Open to college and advanced high school students.

#### 1-week courses, 2 semester hours

- ENR 2360: Ecology and Conservation of Birds (June 10 – 16)
- EDUPAES 1140.05: Lake Erie Sport Fishing (June 10 – 16)
- EEOB 1930: Introduction to Biological Studies - Aquatic Biology (June 10 – 16, July 22 – 28, or July 29 – August 4)
- EARTHSC 1107: Field-Based Introduction to Oceanography (July 22 – 28)
- EEOB 1910: Introduction to Biological Studies - Local Plants (July 29 – August 4)
- ENTMLGY 1260: Introductory Insect Field Biology (July 29 – August 4)

### Upper-Level Courses

Open to college students who are studying biological sciences, education, and natural resources, as well as to science teachers. See website for courses that may be taken for graduate credit.

#### 1-day course, .5 semester hour

- EEOB 5970: Larval Fish Identification Workshop (June 24)

#### 2-day course, .5 semester hour

- EEOB 5950: Algae Identification Workshop (August 6 – 7)

#### 1-week courses, 2 semester hours

- EEOB 5910: Field Herpetology (June 10 – 16)
- EEOB 59xx: Spider Biology (June 10 – 16)
- EEOB 4950: Field Ecology (July 22 – 28)
- ENR 5194: Climate and Sustainability (July 29 – August 4)

#### 5-week courses, 4 semester hours (June 17 – July 21)

- EEOB 5930: Ichthyology
- EEOB 5940: Field Zoology
- EEOB 3410: Ecology
- EEOB 3310: Evolution
- EEOB 5420: Ecology of Inland Waters
- ENR 5699: Current Topics in Environment and Engineering, 1 credit (Four Thursday evening seminars)

### Non-Credit Workshops

Open to the public and college students as non-credit courses. Participants must be at least 18 years of age.

- Larval Fish Identification Workshop (June 24)
- Algae Identification Workshop (August 6 – 7)
- Dealing With Cyanobacteria, Algal Toxins, and Taste & Odor Compounds (August 9 – 10)
- Outdoor Photography Workshop (August 10 – 12)
- Lake Erie Sport Fishing Workshop (August 10 – 12)
- Fish-Sampling Techniques Workshop (September 15 – 16)



### Science Courses for Educators

Classes are open to classroom teachers and education majors with a junior rank or above by summer 2012.

#### 1-week courses, 2 semester hours

- EARTHSC 5189.05: Geologic Setting of Lake Erie (June 16 – 22)
- ENR 5690: Climate Change Education (July 22 – 28)
- EEOB 4950: Field Ecology (July 22 – 28)
- EARTHSC 5584: Principles of Oceanography for Educators (July 29 – August 4)
- ENR 5194: Climate and Sustainability (July 29 – August 4)

### REU Program

Live the life of a professional researcher this summer! In Stone Lab's Research Experience for Undergraduates Scholarship Program, students spend five weeks working alongside top scientists to learn how to conduct in-the-field research. This year students will lead the following projects:

- Reproductive biology and early life history of fishes (Ichthyology)
- Survival rates of birds of the Lake Erie islands (Ornithology)
- Dissolved oxygen in Lake Erie; tracking the "dead zone" (Limnology)
- Nutrient loading (Eutrophication) and algal production (Limnology)
- Fisheries techniques; research and fish survey development
- Efficiency of developed snake deterrents (Herpetology)
- Biological curation; phylogeny and taxonomy

### Tuition Assistance and Jobs

All students taking for-credit courses are eligible for scholarship funds, which typically range from \$100 to \$2,500. Students enrolled in five-week courses can also apply for Stone Lab's part-time positions or find jobs at local Put-in-Bay businesses.

*Course credits are based on the Ohio State University semester credit system and are transferable to most colleges and universities.*

For more information, including details about scholarships and jobs, visit [stonelab.osu.edu](http://stonelab.osu.edu) or call 614.292.8949.



F.T. Stone Laboratory, The Ohio State University's Island Campus, is the Lake Erie research and teaching laboratory for the Ohio Sea Grant College Program. Course credits are based on the Ohio State University semester credit system and are transferable to most colleges and universities.