

The Ohio Journal of Science

Announces

THE PUBLICATION

of its

GENERAL INDEX

The Ohio Naturalist

Volumes 1-15, 1900/01-1914/15

The Ohio Journal of Science

Volumes 16-50, 1915/16-1950

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THE OHIO JOURNAL OF SCIENCE

1735 Neil Avenue

The Ohio State University

Columbus 10, Ohio

ENROLL A NEW MEMBER

The Ohio Academy of Science was organized on December 31, 1891, at Columbus, was incorporated on March 12, 1892, and became affiliated with the American Association for the Advancement of Science early in 1920. Its membership has grown from 59 charter members to more than 1200. The membership is representative of the educational and scientific institutions of the State and includes quite a number of persons outside the State.

AIMS—According to the Constitution: "The objectives of this Academy shall be the stimulation of interest in the sciences, recognition of merit, promotion of research, improvement of instruction in the sciences, and the dissemination of scientific knowledge." In addition to research and publication, the Academy aids in securing legislation which is favorable to scientific projects, as conservation, topographic and geologic survey, and in other important scientific projects.

MEMBERSHIP—Membership is open to all persons interested in science. Members engaged in scientific work may be elected "fellows." Each member receives *The Ohio Journal of Science* for the regular annual dues of \$3.00 and may purchase publications of *The Ohio Biological Survey* at a reduced price. Institution and corporation memberships are open to organizations in the state which are interested in science and in the support of the objectives of the Academy.

SECTIONS—Each member is enrolled in *one* section for voting purposes, but is privileged to participate in the program of any section. To avoid excessive subdivision into sections as new fields of research develop, symposia which may cut across several fields of interest are scheduled at the annual meeting at hours which permit attendance of persons from various sections. Sections are listed below.

A—Zoology	E—Physics & Astronomy	I—Anthropology & Sociology
B—Plant Sciences	F—Geography	J—Conservation
C—Geology	G—Chemistry	K—Genetics
D—Medical Sciences	H—Science Education	

MEETINGS—Annual meetings are held at a time and place fixed by the Executive Committee and the Council on the basis of invitations extended by educational institutions presented at the previous annual meeting. A regional plan is followed, so all areas of the state are covered over a period of several years. In addition to the program of scientific addresses and papers, field trips are frequently arranged.

OFFICIAL ORGAN—From 1892 to 1903, the *Journal of the Cincinnati Society of Natural History* and the technical series of *Bulletins of the Ohio Experiment Station* were the official organs of the Academy; in 1903 *The Ohio Naturalist* was made the official organ and continued as such until 1915 when *The Ohio Journal of Science* became the official organ. Its columns are open to members of the Academy for special contributions, subject to acceptance by the Editorial Board. Articles in all scientific areas appear in the *Journal*.

RESEARCH FUND—From 1898 to 1922, through the generosity of M. Emerson MacMillan, of New York, a fund was available annually for encouragement of research among the Academy members. An accumulation from this grant together with the annual grant from the A.A.A.S. makes grants for research available to Academy members. This fund is administered by a committee known as the Trustees of the Research Fund.

INFORMATION—Requests for information concerning any part of the Academy program should be addressed to the Secretary, who will either send a reply or will forward the request to the proper person for reply. The current Secretary is:

DR. GEORGE W. BURNS, Ohio Wesleyan University, Delaware, Ohio.

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(Affiliated with the A.A.A.S.)

_____ , 19____

I desire to become a Member of The Ohio Academy of Science. It is understood that my membership will begin immediately. Dues are attached* according to one of the following plans:

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PREPARATION OF MANUSCRIPTS FOR PUBLICATION IN THE OHIO JOURNAL OF SCIENCE

The following suggestions are presented in order to minimize revisions and editorial corrections. Uniformity of style and format necessitates attention to detail by authors.

STYLE. Recent issues of the Journal should be examined so that authors become familiar with its general style. Manuscripts should be neatly typewritten on $8\frac{1}{2} \times 11$ inch paper with wide margins and **double-spacing throughout**, including title, footnotes, quotations, tables, literature cited, headings, and legends. Pages should be numbered consecutively. Extensive quotations in the text should be typed with slightly wider margins. Words and numerals to appear in italics should be underlined in the typed copy. Acceptable symbols should be used for units of measurement; e.g., see Science 120: 1078, 1954.

Leave a 3-inch margin at the top of the first page above the title. Title is to be typed in capital letters. Scientific names of organisms in the title should be underlined. The author's name should be typed in capital letters below the title. The address of the department, institution, city and state which are to be credited with supporting the author and his work should be typed (caps and lower case) below the author's name and underlined. If more than one institution is to be credited, their names should appear in the order corresponding with the authors' names.

Main headings are to be typed in capital letters, centered and not followed by a period; subheadings are to be typed in lower case with the initial letter of main words capitalized and each word in the heading underlined. Subheadings may be centered or located at the beginning of a paragraph. When a subheading appears at the beginning of a paragraph, it is followed by a period and a dash. Text should begin below the author's address. **Do not use a separate title page.**

TABLES. Tables are to be typed, double-spaced, on separate sheets of paper, one table to a page, numbered consecutively, and placed in a group at the end of the manuscript. Type in tables is set separately and the tables are therefore separated from the regular text by the printer. Keep the number of tables at a minimum; numerous small tables especially should be avoided. When the headings for a number of tables are similar, an attempt should be made to combine the tabular data thereby avoiding numerous repetition of the same heading. Use a double horizontal line immediately below the title of the table and a single horizontal line below the column headings and at the bottom of the table. *Do not use horizontal lines in the interior of the table and use no vertical lines.* Tables should be planned and prepared with proper spacing so that such lines are not necessary.

Footnotes to tabular data should be noted by asterisks, daggers, or other signs to avoid confusion with numerals in the table or elsewhere. The general style desired in tables can be seen by examining recent issues of the Journal.

The position of the tables in the text as preferred by the author should be indicated on the galley proof. Tables are referred to in the text as "table 1" or "(table 1)" "table 2,"

ILLUSTRATIONS. All illustrations are referred to as "figures" and must be numbered consecutively. They may be photographs or line drawings in black India ink. As many as possible of the illustrations should be grouped and mounted close together on heavy white cardboard for reproduction as a single cut as grouping is more economical. Each figure or collection of figures in a plate should be identified along the bottom edge with *author's name, figure number, and size after reproduction*, and on the back with *author's name and title of manuscript*. Use of illustrations not original with the author must bear permission for use and credit to the originator.

Make the size and proportions of each group of illustrations suitable for reduction to the width of the printed page ($4\frac{1}{2}$ " and any portion of the length ($7\frac{1}{2}$ ""). Care should be taken to insure that a figure does not occupy any more space than necessary. Excessive white space should be eliminated. Line drawings for reproduction are often made too large. As a general rule the dimensions should be no greater than 9×15 inches. If carefully drawn they need be no more than 50 percent larger than the size desired when in print. Original drawings should be submitted for making engravings. In addition to the original illustrations, a photographic copy of each (no larger than $8\frac{1}{2} \times 11$ inches) should accompany the manuscript to facilitate its transmissal to the reviewers.

Projected illustrations (usually fold-out maps) will be accepted for publication only by special arrangement with the editor and assumption of incurred additional expense by the author.

Magnifications stated in the figures or in the explanation of the figures should refer to the magnification after reduction. Or a scale may be drawn on the figure which will automatically indicate the size of the original regardless of reduction.

Explanation of single figures should be typed, double-spaced, in a list on a separate sheet of paper included with the manuscript to go to the printer. *They should not be affixed to the figure which goes to the engraver.*

Explanation of figures assembled together in a plate may be typed, double-spaced, on a separate sheet of paper with the heading **EXPLANATION OF FIGURES IN PLATE**. Figures are referred to in the text as "figure 1" or "(fig. 1)." Line drawings and photographs cannot be combined on a single plate.

Each figure must have a suitable legend, even though it may be completely described in the text.

FOOTNOTES. Footnotes to tables are permissible as described above. Reference to the literature is not permitted as a footnote but must be handled as described below. Acknowledgments are incorporated in the regular text at the end of the summary, just before *Literature Cited*.

Text footnotes are to be avoided and only two kinds are permissible. A footnote on the title may be used to state "Department publication No. . . ." "Supported by a grant from . . ." or "Part of a dissertation submitted in partial fulfillment . . ." A footnote on the author's name may be used to state "Present address . . ." or "Fellow of the . . ." All other material or comments must be incorporated in the text. If text footnotes are used, they should be typed, double-spaced, in sequence on a separate page and put at the end of the manuscript.

REFERENCES or LITERATURE CITED. References to scientific literature should be accumulated in a list, arranged alphabetically by author's last name, and typed, double-spaced, on a separate sheet of paper at the end of the text. They should not be numbered. The page should be entitled **REFERENCES or LITERATURE CITED**, typed in caps and centered. Examine recent issues of the Journal for the detailed form. References are referred to in the text as Patterson (1940) or (Patterson, 1940). In case of more than two authors, "— et al." may be used in the text, but all coauthors must be listed in the reference section. Total number of pages should be given for books.

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