

Volume XXVIII.

Number 3.

THE OHIO JOURNAL OF SCIENCE

MAY, 1928

TABLE OF CONTENTS

Report of the Thirty-Eighth Annual Meeting of the Ohio
Academy of Science *Wm. H. Alexander* 121

Published by the

OHIO JOURNAL OF SCIENCE BOARD

Ohio State University, Columbus

Issued Bi-monthly, January to December (six numbers)
Entered at the Post-Office in Columbus, Ohio, as second-class matter

THE OHIO JOURNAL OF SCIENCE

Editor

FREDERICK H. KRECKER

Associate Editor.....JAY B. PARK

Business Manager.....LEWIS H. TIFFANY

EDITORIAL BOARD

R. C. BURRELL, Agricultural Chemistry
F. L. LANDACRE.....Anatomy
J. H. SCHAFFNER.....Botany
J. B. PARK.....Farm Crops

J. ERNEST CARMAN.....Geology
R. J. SEYMOUR.....Physiology
E. R. HAYHURST,
Public Health and Sanitation
J. S. HINE, Zoology and Entomology

OHIO ACADEMY OF SCIENCE REPRESENTATIVES

HARRY M. BENEDICT

WILLIAM MCPHERSON

THE OHIO JOURNAL OF SCIENCE

Is owned and controlled by the OHIO JOURNAL OF SCIENCE BOARD of Ohio State University. It is the official organ of the OHIO ACADEMY OF SCIENCE.

MANUSCRIPTS. Preference will be given to manuscripts dealing with biological subjects, but articles on other branches of science may be received. Articles covering not more than fifteen pages of the JOURNAL are preferred, although longer articles may be printed. Contributors need not be associated with either the Ohio State University or the Ohio Academy of Science, nor need their contributions deal with the State of Ohio. Manuscripts are subject to the approval of the editor.

ILLUSTRATIONS. When illustrations form part of an article they should preferably accompany the manuscript. If their size does not make this convenient, they should be sent in a separate package properly labeled as to the article for which they are intended. Either half-tones or zinc etchings can be published. The cost of the cuts must be borne by the contributor. They are made under the supervision of the JOURNAL and a bill is then rendered by the JOURNAL to the contributor. All illustrations should be made with a view to having them appear within the limits of the printed form.

PROOF. Galley proof will be sent to contributors. It should be returned promptly in order to avoid any disappointment in the matter of publication. Care should be taken to furnish a correct mailing address. The JOURNAL will not assume responsibility for loss of manuscript or proof in the mails.

REPRINTS. A price list for reprints and an order form is sent with proof. This should be returned with the proof. No reprints are furnished free of charge. Shipments will be made upon payment of bills rendered for reprints and cuts.

SUBSCRIPTIONS. The annual subscription is \$2.00, (foreign countries, \$2.50). Single numbers 50 cents. One volume appears each year and contains six numbers.

By special arrangement with the OHIO ACADEMY OF SCIENCE, the OHIO JOURNAL OF SCIENCE is sent without additional expense to all members of the ACADEMY who are not in arrears for annual dues.

The first fifteen volumes of the old OHIO NATURALIST may be obtained at \$1.00 per volume.

MAILING ADDRESS. All manuscripts, illustrations, proofs and correspondence dealing with editorial matters, should be addressed to PROF. FREDERICK H. KRECKER, Botany and Zoology Building, Ohio State University, Columbus, Ohio.

All remittances, correspondence dealing with subscriptions, reprints and other business matters should be addressed to PROF. LEWIS H. TIFFANY, Botany and Zoology Building, Ohio State University, Columbus, Ohio.