

Volume XX.

Number 1.

THE OHIO JOURNAL OF SCIENCE

(Continuation of "The Ohio Naturalist")

Official Organ of the
OHIO ACADEMY OF SCIENCE
and of the
OHIO STATE UNIVERSITY SCIENTIFIC SOCIETY

NOVEMBER, 1919

TABLE OF CONTENTS

RICE—Report of the Twenty-Ninth Annual Meeting of the Ohio Academy of Science	1
WEISS—Notes on <i>Corythuca Bulbosa</i> O. & D.....	17
GRIER—Note on Proliferative Power of <i>Pinus</i> sp.....	21
BRAUN—A New Genus Allied to <i>Incurvaria</i> (Microlepidoptera)	24

Published by the
OHIO STATE UNIVERSITY SCIENTIFIC SOCIETY
COLUMBUS

Annual Subscription, \$2.00

Single Number, 35 Cents

*Issued Monthly, November to June (eight numbers)
Entered at the Post-Office in Columbus, Ohio, as second-class matter.*

THE OHIO JOURNAL OF SCIENCE

EDITOR

FREDERIC H. KRECKER

ASSOCIATE EDITORS

JAMES S. HINE

JAY B. PARK

EDITORIAL BOARD

OHIO STATE UNIVERSITY SCIENTIFIC SOCIETY

T. G. PHILLIPS.....	Agricultural Chemistry	V. H. DAVIS.....	Horticulture
F. W. IVES.....	Agricultural Engineering	W. A. KNIGHT.....	Industrial Arts
F. L. LANDACRE.....	Anatomy	K. D. SCHWARTZEL.....	Mathematics
J. H. SCHAFFNER.....	Botany	HORACE JUDD.....	Mechanical Engineering
C. B. HARROP.....	Ceramic Engineering	JONATHAN FORMAN.....	Pathology
J. R. WITHEROW.....	Chemistry	A. D. COLE.....	Physics
F. H. ENO.....	Civil Engineering	R. J. SEYMOUR.....	Physiology, Physiological Chemistry and Pharmacology
J. B. PARK.....	Farm Crops	E. R. HAYHURST.....	Public Health and Sanitation
N. W. SCHERER.....	Forestry	J. S. HINE.....	Zoology and Entomology
T. M. HILLS.....	Geology		

OHIO ACADEMY OF SCIENCE

E. A. BUDINGTON.....	Zoology	G. D. HUBBARD.....	Geology
BRUCE FINK.....	Botany	S. J. M. ALLEN.....	Physics
F. C. WAITE.....	Medical Sciences	H. A. AIKINS.....	Psychology

Manuscripts.—THE OHIO JOURNAL OF SCIENCE is devoted to the publication of articles dealing with any branch of science. Contributions will be received without respect to membership in the Ohio State University Scientific Society or the Ohio Academy of Science. Manuscripts are subject to the approval of the editor. Articles covering not more than fifteen pages will be given preference, although longer articles may be printed. The cost of cuts and of all reprints must be borne by the contributor.

All manuscripts and correspondence dealing with editorial matters should be addressed to the editor.

Business Matters.—THE OHIO JOURNAL OF SCIENCE is owned and controlled by the Ohio State University Scientific Society. By a 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.

Annual subscription to foreign countries is \$2.50.

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

All business communications should be addressed to the Business Manager.

Remittances of all kinds should be made payable to J. S. Hine, Business Manager.

Address.—The address of both the Editor and the Business Manager is

THE OHIO JOURNAL OF SCIENCE, Ohio State University, Columbus.

Ohio Academy of Science Publications.

First and Second Annual Reports.....	Price 30 cts. each
Third and Fourth Annual Reports.....	Price 25 cts. each
Fifth to Sixteenth Annual Reports.....	Price 20 cts. each
Seventeenth to Twenty-fourth Annual Reports.....	Price 40 cts. each
Twenty-fifth Annual Report.....	Price 75 cts. each
Twenty-sixth to Twenty-eighth Annual Reports.....	Price 40 cts. each

SPECIAL PAPERS

1. Sandusky Flora. pp. 167. E. L. MOSELEY.....	60 cts.
2. The Odonata of Ohio. pp. 116. DAVID S. KELLCOTT.....	60 cts.
3. The Preglacial Drainage of Ohio. pp. 75. W. G. TIGHT, J. A. BOWNOCKER, J. H. TODD and GERARD FOWKE.....	50 cts.
4. The Fishes of Ohio. pp. 105. RAYMOND C. OSBURN.....	60 cts.
5. Tabanidæ of Ohio. pp. 63. JAMES S. HINE.....	50 cts.
6. The Birds of Ohio. pp. 241. LYNDS JONES.....	75 cts.
7. Ecological Study of Big Spring Prairie. pp. 96. THOMAS A. BONSER.....	50 cts.
8. The Coccidæ of Ohio, I. pp. 66. JAMES G. SANDERS.....	50 cts.
9. Batrachians and Reptiles of Ohio. pp. 54. MAX MORSE.....	50 cts.
10. Ecological Study of Brush Lake. pp. 20. J. H. SCHAFFNER, OTTO E. JENNINGS, FRED J. TYLER.....	35 cts.
11. The Willows of Ohio. pp. 60. ROBERT F. GRIGGS.....	50 cts.
12. Land and Fresh-water Mollusca of Ohio. pp. 35. V. STEREL.....	50 cts.
13. The Protozoa of Sandusky Bay and Vicinity. F. L. LANDACRE.....	60 cts.
14. Discomycetes in the Vicinity of Oxford, Ohio. pp. 54. FRED A. M. BACHMAN.....	50 cts.
15. Trees of Ohio and Surrounding Territory. pp. 122. JOHN H. SCHAFFNER.....	75 cts.
16. The Pteridophytes of Ohio. pp. 41. JOHN H. SCHAFFNER.....	50 cts.
17. Fauna of the Maxville Limestone. pp. 65. W. C. MORSE.....	60 cts.
18. The Agaricaceæ of Ohio. pp. 116. W. G. STOVER.....	75 cts.
19. An Ecological Study of Buckeye Lake. pp. 138. FREDERICA DETMERS.....	75 cts.

Address: C. W. REEDER, Librarian, Ohio Academy of Science,
Library, Ohio State University, Columbus, Ohio.