

THE OHIO JOURNAL OF

SCIENCE

MARCH
1975



The Effects of Air Pollution on Pulmonary Functions in Adolescents <i>Richard A. Mostardi and Ronald Martell</i>	65
The Relation of Ambient Suspended Particulates and Meterological Variables to Functional Pulmonary Impairment <i>J. M. Ramsey and Dorothy C. Baunach</i>	70
Ohio Ascomycete Notes II. Talaromyces from Soils of Southern Ohio <i>L. H. Huang and J. A. Schmitt</i>	75
The Susceptibility of an Adult Damsel fly, <i>Ischnura verticalis</i> , to Selected Insecticides <i>J. F. Estenik and P. F. Federle</i>	81
Observations on Flights of Released Tobacco Hornworm Moths, <i>Manduca sexta</i> (Johannson) Order Lepidoptera; Family Sphingidae <i>Paul A. Stewart</i>	83
Comparative Studies on the Life Cycle and Ecology of Two Populations of <i>Physa heterostropha</i> (Say) (Gastropoda: Pulmonata) <i>Sheila A. Herrmann and Willard N. Harman</i>	85
<i>Leucorrhinia frigida</i> Hagen, Another New Ohio Odonate Record <i>T. E. Perry</i>	95
Palynology and Radiocarbon Chronology of Battaglia Bog, Portage County, Ohio <i>Linda C. K. Shane</i>	96
Occurrence of an Albino <i>Microtus pennsylvanicus</i> on Ohio <i>Gary W. Barrett</i>	102
Earthquake Statistics for Ohio <i>Edmund F. Pawlowicz</i>	103
Announcements	112

THE OHIO JOURNAL OF SCIENCE

Editor.....MILTON A. LESSLER

Associate Editor.....EMANUEL D. RUDOLPH

Business Manager.....JOSEPH D. LAUFERSWEILER

DIVISION EDITORS

Animal Sciences, Zoology and Entomology.....CHARLES VAUGHN, Oxford
Chemistry, Physics and Astronomy.....GILBERT GORDON, Oxford
Ecology, Environment and Conservation.....RUTH MELVIN, Columbus
Engineering and Bioengineering.....FRANCIS JANKOWSKI, Dayton
Genetics and Molecular Biology.....C. WILLIAM BIRKY, JR., Columbus
Geology, Earth and Geography.....ROBERT J. MALCUTT, Granville
Mathematical Sciences.....PAUL HESSLER, Springfield
Medical Sciences and Anthropology.....LIBERATO J.A. DiDIO, Toledo
Microbiology and Immunology.....FRANK CHORPENNING, Columbus
Plant Sciences and Botany.....JANE DECKER, Delaware
Science Education and History of Science.....JOY LINDBECK, Akron
Psychology and Social Sciences.....ISADORE NEWMAN, Akron

MANUSCRIPTS: *The Ohio Journal of Science* considers original contributions and invited reviews based on investigations of current scientific interest. Special consideration will be given to short papers (no more than six double-spaced typewritten pages) and Ohioiana. All papers will be critically reviewed and are subject to the approval of the Editorial Committee. It should be understood that the opinions expressed by the reviewers are their own and do not represent the views of the *Ohio Journal of Science* or of the Ohio Academy of Science.

An original and one copy of each manuscript must be submitted to the Editor. An additional copy of the paper should be retained by the author for reference. The title page should indicate the mailing address of the individual to whom correspondence should be addressed. Galley proof, engraver's proof and the original manuscript will be returned to the author for final approval of the materials as set. See past numbers of the *Journal* and the *Style Manual for Biological Journals* for detailed instructions on the preparation of manuscripts.

PAGE CHARGES:

First four pages in any one year.....No Charge
Second four pages in any one year.....\$17.50 per page
Pages in excess of eight pages per year.....\$35.00 per page

REPRINTS: A price list for reprints and an order form are sent with the galley proofs. Authors should allow about 60 days after publication for receipt of reprints.

SUBSCRIPTIONS: Annual subscription \$15.00 (foreign countries, \$16.50). Single numbers for Academy members \$3.00; for non-members \$3.50. Single volumes (six numbers): \$18.00; runs of ten or more volumes: \$16.00 per volume. Discounts are available for bulk subscriptions. Issued bimonthly, January to November, six issues per volume. *The Ohio Journal of Science* is sent to subscribers and to all paid-up members of The Ohio Academy of Science.

EDITORIAL OFFICE: The editorial office of *The Ohio Journal of Science* is the Department of Physiology, Ohio State University, 1645 Neil Avenue, Columbus, Ohio 43210.

BUSINESS OFFICE: All remittances should be made out to *The Ohio Journal of Science* and sent to the Ohio Academy of Science office, 445 King Avenue, Columbus, Ohio 43201; Telephone: (614) 299-9097.

Failure to receive any number of the *Journal* must be reported to the Ohio Academy of Science within three months of the date of issue for the claim to be recognized. All correspondence dealing with matters of business policy should be addressed to the Business Manager, Joseph D. Laufersweiler, Department of Biology, University of Dayton, Dayton, Ohio 45409.

Printed by the Spahr & Glenn Company, Columbus, Ohio, U.S.A.

Second Class postage paid at Columbus, Ohio

Date of issue—May 29, 1975