THE OHIO JOURNAL OF SCIENCE  
ISSN 0030-0950

Editorial Policy:

General:
THE OHIO JOURNAL OF SCIENCE considers original contributions from members and non-members of the Academy in all fields of science. While special consideration will be given to manuscripts concerned with Ohio subject matter, other reports with scientific merit will be reviewed for publication. Submission of a manuscript is understood to mean that the work is original and unpublished, and is not being considered for publication elsewhere. All manuscripts considered for publication will be peer-reviewed. The opinions expressed by reviewers are their own, and do not represent the views of the Ohio Academy of Science or THE OHIO JOURNAL OF SCIENCE. Manuscripts and illustrations should be prepared in triplicate in accordance with current guidelines published in THE JOURNAL at least once a year, and submitted to:

Dr. Isadore Newman, Editor  
THE OHIO JOURNAL OF SCIENCE  
College of Education, Zook Hall  
The University of Akron  
Akron, Ohio  44325-4201

Page Charges:
Publication of THE OHIO JOURNAL OF SCIENCE requires that authors assist in meeting publication expenses. These costs will be assessed at $85 per page for members of the Academy and $120 per page for non-members. In multi-authored papers, each author must be a member of the Academy at the time of publication to be eligible for the reduced member rate. Papers which exceed 12 printed pages may be charged full production costs. A bill for page charges will be sent to the communicating author by the Ohio Academy of Science at the time of publication.

Failure to Receive THE JOURNAL:
Any claim of failure to receive subscription issues of THE JOURNAL must be submitted to the Ohio Academy of Science within six months of date of issue of the missing number, to be recognized.

Listing Services:
THE OHIO JOURNAL OF SCIENCE is listed or abstracted in several sources including:

- AcadSci Abstracts
- Bibliography of Agriculture
- Biological Abstracts
- Chemical Abstracts
- Current Advances in Ecological Sciences
- Current Contents (Agriculture, Biology & Environmental Sciences)
- Deep Sea Research and Oceanography Abstracts
- Environment Abstracts
- Environmental Information Center
- Forest Products Abstracts
- Forestry Abstracts
- Geo Abstracts
- GEOBASE
- Geology Abstracts
- GeoRef
- Helminthological Abstracts
- Horticulture Abstracts
- Nuclear Science Abstracts
- Review of Plant Pathology
- Selected Water Resources Abstracts
- World Agricultural Economics and Rural Sociology Abstracts

FUTURE ACADEMY MEETINGS

2005 Bowling Green State University  
April 1 - 2 - 3

DIVISION EDITORIAL BOARD
THE OHIO JOURNAL OF SCIENCE

Biological Sciences
Chester Ray Cooper, Youngstown State University  
Daniel Ely, The University of Akron  
Robert F. Rakowski, Ohio University

Chemical Sciences
George R. Newkome, The University of Akron

Earth & Space Sciences
Yu lí dirim Dilek, Miami University of Ohio  
Gregory Schumacher, Ohio Department of Natural Resources

Ecological & Environmental Sciences
Lauchlan Fraser, The University of Akron

Education
Charles L. Salzberg, Utah State University  
Beth Stroble, The University of Akron

Information Technology, Computing & Communications
Al Herbert, The University of Akron

Mathematical Sciences
Arjun Gupta, Bowling Green State University

Medical Sciences & Health Technology
Mitchell Harmon, M.D., Ph.D., Kronos Longevity Institute, Phoenix, AZ  
Richard Josephson, M.S., M.D., Summa Health Systems, Akron, OH

Methodology
Keith McNeil, New Mexico State University  
John Pohlmann, Southern Illinois University

Nanotechnology
Lloyd Goettler, The University of Akron  
Steven Chuang, The University of Akron

Physical Sciences & Polymer Sciences
Ernst Von Meerwall, The University of Akron

Social & Behavioral Sciences
Dick Genardi, The Union Institute  
Andrea Karkowski, Capital University

Division Editors are needed in the following areas:

Biotechnology
Engineering & Technology
Molecular Genetics, Genomics, & Cell Biology

Send a letter of interest outlining publication experience and a full curriculum vitae to the Editor at the address above.
ARTICLES

2 What is at Stake with High Stakes Testing? A Discussion of Issues and Research by G. J. Marchant

8 Select Coleoptera of the Ravenna Training and Logistics Site, Ohio, 1999 by R. Williams and D. Hartzler

20 Comparison of Standing Vegetation and Seed Bank Composition One Year Following Hardwood Reforestation in Southwestern Ohio by C. I. Leary and C. Howes-Keiffer

29 Aquatic Macroinvertebrate Communities from the Portage River Watershed Headwater Streams (Wood County, Ohio) by G. S. Rife and D. L. Moody

BOOK REVIEW

36 Palms Won’t Grow Here and Other Myths by D. A. Francko Reviewed by S. A. Forawi