Front Matter
105th Annual Meeting of The Ohio Academy of Science
Hosted by
Malone College, Canton, Ohio
May 3, 4, 5, 1996

Theme: Sustainable Development
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 Submission of a manuscript is understood to mean that the work is original and unpublished, and is not being considered for publication elsewhere.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 (after 1 January 1996) to:

Dr. Thomas W. Schmidlin, Editor
THE OHIO JOURNAL OF SCIENCE
Department of Geography
Kent State University
Kent, OH 44242-0001

Page Charges:
Publication of THE OHIO JOURNAL OF SCIENCE requires that authors assist in meeting publication expenses. These costs will be assessed at $70 per page for members of the Academy and $105 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.
CONTENTS

105th Annual Meeting
The Ohio Academy of Science

Hosted by
Malone College, Canton
MAY 3-4-5, 1996

THEME: SUSTAINABLE DEVELOPMENT

Registration ............................................. 2
Registration Form .................................. Last Page
Parking .................................................. 2
Meals .................................................... 2
Housing .................................................. 2
Map ....................................................... 46

General Schedule .................................... 3
All-Academy Lecture .................................. 3
President’s Address .................................. 4

Arrangements
Special Acknowledgements ......................... 4, 44
Local Committee ..................................... 4

Academic Highlights of the Host .................. 4

Official Notice of Business Meeting ............... 4, 48

Friday Meeting of The Ohio Alliance for the Environment ... 5
Friday Workshop on Assessment of Inquiry-Based Education .... 6
Friday and Saturday Internet Workshops ........... 7

Sunday Geology and Plant Science Field Trips ........ 7

The Power of “If” - Integration of Science and the Arts ........ 8

Peer-Reviewed Abstracts
Posters ............................................... 10
Podium Sessions .................................... 19

Special Interdisciplinary Session .................. 43

Indices
Session Abstracts ..................................... 9
First Authors of Abstracts ......................... 45

Cover illustration: Malone College