Back Matter

The Ohio Journal of Science. v93, n2 (April Program Abstracts), 999
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Area Map
How to get to Youngstown

[Map showing routes and locations around Youngstown, including North Jackson, Lordstown, Girard, Youngstown Municipal Airport, and other nearby towns and highways.]
The Ohio Academy of Science
April 30; May 1-2, 1993 -- Hosted by Youngstown State University

Advance registration must be received by April 16, 1993.

ALL presenters and other participants must register. Access to sessions by name tag only. Name tags and information packet will be available at Meeting Registration Desk. Please return the completed registration form along with the appropriate fees to the address printed below. A confirmation and receipt for pre-registration received by April 16 will be mailed to the address listed below. Those registered after April 16 will be able to pick up their receipt at the Meeting Registration Desk.

PLEASE PRINT OR TYPE. Please use a separate form for each registration. COPY this form as needed.

Circle; Ms. Mrs. Mr. Dr. NAME ___________________________________ TITLE __________
SCHOOL or EMPLOYER ___________________________________ Social Security Number __________
ADDRESS ________________________________________________________________
Is this a home address? Yes No
CITY _____________________________ STATE _____ ZIP __________
HOME PHONE (_____) WORK PHONE (_____) FAX (_____)

REGISTRATION FEES: Please fill in the amount. One fee covers ALL THREE DAYS. To avoid higher rates, Advance Registration and payment must be received by April 16, 1993. On-site Registration will be accepted at the higher rate.

<table>
<thead>
<tr>
<th>Member of The Ohio Academy of Science</th>
<th>Office Use</th>
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<tr>
<td>____ Professional Registration $30 ($35 after April 16, 1993)</td>
<td>$ 3193</td>
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<tr>
<td>____ Student Registration $15 ($20 after April 16, 1993)</td>
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<th>Non-Member - includes membership for FIRST TIME members only.</th>
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<td>____ Professional Registration $55 ($60 after April 16, 1993)</td>
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<th>RENEWAL of Membership in The Ohio Academy of Science</th>
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<tr>
<td>____ Student $15 ____ Professional $40 ____ Family $50</td>
<td>$ 3593 / 3693 / 3793</td>
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MEALS (available ONLY by preregistration. N.A. after April 16)

<table>
<thead>
<tr>
<th>Friday, April 30 Dinner</th>
<th>$20.00</th>
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<tbody>
<tr>
<td>Saturday, May 1 Graduate Student Luncheon</td>
<td>$5.00</td>
</tr>
<tr>
<td>Saturday, May 1 Banquet</td>
<td>$20.00</td>
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TOTAL ENCLOSED $________

WHICH OF THE FOLLOWING WILL YOU ATTEND?

FRIDAY, April 30, 1993
____ Symposium or Workshop (Title: ____________________________)

SATURDAY, May 1, 1993
____ Technical Section paper and poster presentations
____ All-Academy Lecture

SUNDAY, May 2, 1993
____ Ecology Field Trip ______ Geology Field Trip

METHOD OF PAYMENT: Phone and FAX registrations will be accepted if Purchase Order, MasterCard, VISA, or DISCOVER are used. NO REFUNDS AFTER April 21, 1993.

____ Confirms a phone or FAX registration.
____ Check enclosed (payable to Youngstown State Univ.)
____ I have enclosed a purchase order.
____ Charge my credit card. ____ VISA ____ MASTERCARD ____ DISCOVER

Card Number ____________________________ Exp. Date ____________________________

Cardholder signature ____________________________

MAIL FORM WITH PAYMENT TO:
Youngstown State University
Office of University Outreach
OAS Annual Meeting Registration
Youngstown OH 44555-3358

Phone (216) 742-3358
FAX (216) 742-1419

Advance Registration Deadline: April 16, 1993
AUTHOR'S INSTRUCTIONS FOR PREPARATION OF MANUSCRIPTS FOR PUBLICATION IN THE OHIO JOURNAL OF SCIENCE

THE OHIO JOURNAL OF SCIENCE considers for publication submissions of the following nature:

1. Solicited Submissions - Book Reviews, Research Reviews.
2. Unsolicited Submissions - Brief Notes, Research Reports.

Solicited submissions will be requested by the editor or by a member of the editorial board. Book Reviews will be requested of individuals expert in the subject matter of the book to be reviewed. The approximate length will be 750 words, and the text will include a brief description of the subject matter addressed by the volume, its outstanding strong points, and any obvious weaknesses. Research Reviews will be requested to serve not only as a survey of the literature of an area of science in which Academy members have an interest, but will also be employed, and can be determined by reading recent issues of THE JOURNAL. Manuscripts should be typewritten with wide margins on 21.6 x 27.9 cm (8.5 x 11 in) paper, and be double-spaced throughout including the title page.

Unsolicited submissions will be considered for peer review. Brief Notes are manuscripts which will be published in this form if less than two printed pages and which will contain two or more pieces of illustrative material. Regardless of the length of manuscript, unsolicited submissions should be organized according to the following format:

Page 1: Title, Author(s), Affiliation(s), Abstract

Page 2 and the remainder: Body of the Paper in the following order: Introduction, Materials and Methods, Results, Discussion, Acknowledgements, Literature Cited, Tables, Figure Legends, Figures.

STYLE. The general style of papers previously published by THE JOURNAL should be employed, and can be determined by reading recent issues of THE JOURNAL. Manuscripts should be typewritten with wide margins on 21.6 x 27.9 cm (8.5 x 11 in) paper, and be double-spaced throughout including the title and abstract. The only words to be underlined are scientific names. Spell out numbers one through nine and use Arabic numerals above nine. Extensive quotations in the text should be typed slightly indented from the other text. Acceptable symbols and abbreviations for units of measurement should be used as given in the CBE Style Manual, 5th ed. (Council of Biology Editors, 4059 Rockville Pike, Bethesda, MD 20814). This volume is used as a general style for editorial decisions with regard to style. Primary text reference should use the International System of Units in all cases, with parenthetical reference to illustrative material. Regardless of the length of manuscript, unsolicited submissions should be organized according to the following format:

Page 1: Title, Author(s), Affiliation(s), Abstract

Page 2 and the remainder: Body of the Paper in the following order: Introduction, Materials and Methods, Results, Discussion, Acknowledgements, Literature Cited, Tables, Figure Legends, Figures.

DISCUSSION. This section should consist of the comparing and contrasting of data collected in the presented study with that previously reported in the literature. A goal is to incorporate at least one literature citation and one reference to illustrative material from the Results section into each paragraph of discussion. Unless there are specific reasons to combine the two, as explained by the author in the letter of transmittal, Results and Discussion should be separate sections.

ACKNOWLEDGEMENTS. Colleagues and/or sources of financial support to whom thanks are due for assistance rendered in completion of the research or preparation of the manuscript should be recognized in this section rather than in the body of the text.

LITERATURE CITED. References to scientific literature should be arranged alphabetically by first author's last name according to the following examples:


FOOTNOTES. Text footnotes should not be used with the following exceptions. A footnote to the title will be added editorially to state the dates of manuscript submission and revision. A footnote to name(s) of author(s) may be used to indicate a present address different from that at which the research was done, or to indicate the author to whom inquiries should be directed. All other material or comments must be incorporated into the text. In no case should literature citations be inserted as footnotes. They must be listed in the Literature Cited section. Footnotes to tables are permissible, and are encouraged to promote clarity.

Attention to the above instructions will minimize the need for revision and editorial correction, and will shorten the time from submission to publication. Any questions which are not answered by these instructions, by examining papers in recent issues of THE JOURNAL, or by the CBE Style Manual, 5th ed., should be addressed to the editor.
HIGHLIGHTS
102ND ANNUAL MEETING
THE OHIO ACADEMY OF SCIENCE
HOSTED BY
YOUNGSTOWN STATE UNIVERSITY
AND
BROWNING FERRIS INDUSTRIES, INC.
APRIL 30; MAY 1-2, 1993

Workshops, Symposia, Poster Sessions, and Technical Sessions (Podium Presentations), Special Lectures, Field Trips, Social Events and Business Meetings

Workshops
Animals in the Classroom
ADA: Americans with Disabilities Act
Women in Science Programs in Ohio:
   The B-WISER Institute, Where do we go from here?

Symposia
State Sponsored Outreach Programs Supporting Technology Development
Water Quality in the Upper Ohio River Drainage Basin
Environmental Health Sciences
The Changing Face of Engineering

Poster Sessions
Senior Academy
Junior Academy (Pre-College Students)

Technical Sessions (Podium Presentations)
Aquatic & Wetlands Ecology
Aquatic Toxicology
Archaeology, Geography, & Regional Development
Behavioral Physiology, Entomology, & Botany
Cell & Molecular Biology
Clinical Medicine & Nursing
Earth & Space Sciences
Electrical Engineering & Machine Vision
Engineering, General, Civil, & Engineering Education
Environmental Pollution & Abatement
Geography, Literary Geography, Communications
Geohydrology
Issues and Methods in Science Education
Junior Academy (Pre-college papers)

Library Science
Medical Physiology
Medical Sciences and Nutrition
Molecular Genetics
Physical & Mathematical Sciences
Plant and Aquatic Ecology
Resource Management and Environmental Protection
Science Education
Social & Behavioral Sciences
Teaching Methodology
Terrestrial Ecology
Trends in Science Education, Model Curriculum, Partnerships, and Proposal Development

Special Lectures
DR. LAUREN A. SCHROEDER -- Industrial and Post-Industrial Mahoning River
DR. JAMES ADOVASIO -- Ice Age Hunters in the Central Russian Plain
President's Address by DR. RICHARD W. JANSON -- Technology: Tomorrow's Determinate

Field Trips
Browning-Ferris Industries Industrial Landfill
Mill Creek Park

Social
Graduate Student Luncheon - Tips for Success in Graduate School
Friday Dinner
Saturday Banquet

Business Meetings
The Ohio Academy of Science and The Ohio Biological Survey

For details see the April Program Abstracts issue of The Ohio Journal of Science.
Contact: The Ohio Academy of Science, 1500 West Third Avenue, Columbus, OH 43212. Phone or FAX (614) 488-2228.