

2002

Back Matter

Follow this and additional works at: <https://digitalcommons.morris.umn.edu/jmas>

Recommended Citation

(2002). Back Matter. *Journal of the Minnesota Academy of Science, Vol. 66 No.1, .*
Retrieved from <https://digitalcommons.morris.umn.edu/jmas/vol66/iss1/6>

This Article is brought to you for free and open access by the Journals at University of Minnesota Morris Digital Well. It has been accepted for inclusion in Journal of the Minnesota Academy of Science by an authorized editor of University of Minnesota Morris Digital Well. For more information, please contact skulann@morris.umn.edu.

MEMBERSHIP APPLICATION

MEMBERSHIP BENEFITS

Membership benefits include a subscription to the *Journal of the Minnesota Academy of Science*, a personal invitation and reduced registration rate to the Annual Meeting, and notification of volunteer opportunities in youth science programs. Thank you for your interest and membership!

The Minnesota Academy of Science, 408 St. Peter Street, Suite 410, St. Paul, MN 55102-1119. Telephone: (651) 227-6361; Fax: (651) 227-8758; E-mail: contact@mnacadsci.org

Name		Title: Ms. Mrs. Mr. Dr.	
Employer or Institution			
Street Address			
City	State	Zip Code	
Work Phone ()	Home phone ()		

Check Appropriate Box

- \$500 Corporate Membership
- \$360 Life Membership
- \$100 Institutional Membership
- \$100 Patron of the Academy
- \$60 Professional Sustaining
- \$45 Family Membership
- \$30 Professional
- \$20 College Student (with Journal)
- \$10 College Student (without Journal)

Check Section Choice Below

- Agricultural Science / Soils
- Anthropology / Sociology
- Astronomy / Planetary Science
- Chemistry / Biochemistry
- Ecology / Natural Resources
- Economics / Political Science
- Engineering / Physics
- Genetics and Cell Biology / Microbiology
- Geology and Geophysics
- Mathematics and Computer Science
- Medical Sciences / Physiology
- Meteorology / Oceanography / Hydrology
- Plant Biology
- Science Education
- Psychology
- Science Education

\$ _____ Payment enclosed

Please make check payable to and mail to: The Minnesota Academy of Science
 Suite 410, 408 St. Peter St.
 St. Paul, MN 55102
 (651) 227-6361

Please include the name of a colleague who might like to receive membership information about MAS.

Name			
Street Address			
City	State	Zip Code	Phone ()

NOTICE TO CONTRIBUTORS OF ARTICLES

Persons submitting papers for publication in the Journal are asked to prepare material in accordance with style and format preferences of this publication. Although some of these requirements may differ from those of other publications, cooperation of authors is necessary to comply with the printing process.

Seeking Research News

The *Journal of the Minnesota Academy of Science* is looking for short articles (one to three pages) on research news from scientists in academia, industry and government. By including news of what's going on in all of the sciences, we hope to provide a source of current information that is useful to a broad audience.

While the *Journal* will continue to solicit and publish papers describing research from Minnesota scientists, we are soliciting manuscripts that describe newsworthy items in your discipline. What's new in your field? How will advances in your scientific discipline affect the quality of life in Minnesota (or elsewhere)?

Send articles to: Journal Editor, Minnesota Academy of Science, 408 St. Peter St., Suite 410, St. Paul, MN 55102

Publication Policy

Membership in the Minnesota Academy of Science is desirable but not necessary for publication. All papers that meet the editorial criteria of the Academy will be considered for publication. Papers should not have been published, submitted, or accepted for publication elsewhere.

Submission Requirements

Research articles, review articles, and essays will be considered for publication. An original and two complete copies of each manuscript, typed double-spaced on 8 1/2 by 11 inch paper, should be submitted, along with one set of original photographs or illustrations. Number pages consecutively, beginning with the title page. Review articles and essays may be divided into sections with appropriate headings and subheadings at the discretion of the author; an abstract and a reference section must be included. Research articles should be arranged as follows: (a) Title page with the title, authors' names and affiliations; (b) Abstract; (c) Introduction; (d) Materials and Methods; (e) Results; (f) Discussion (may be included with the Results); (g) References; (h) Tables; (i) Figures; and (j) Legends for all figures. Simple chemical formulas or mathematical equations should be in a single horizontal line; submit more complicated formulas or structures in a form suitable for photographic reproduction.

Specific style requirements are as follows:

Title. Titles should be brief but informative and limited to about 100 characters.

Authors. Authors of research articles should include their full names and affiliations; persons submitting review articles or essays should include a brief, relevant biographical sketch. Submit the full name, address, and phone number of the author to whom all correspondence is to be directed on a separate page.

Running title. A brief running title of not more than 50 characters should be provided.

Footnotes. Footnotes cannot be used.

Abstract. An abstract of about 250 words which summarizes the major findings should be included. Use of abbreviations is discouraged; if needed, they must be defined.

Introduction. The introduction should acquaint the reader with the problem or question addressed by the author's investigation.

Materials and Methods. Description of the experimental methods should be brief but adequate for repetition by qualified investigators. Procedures that have been published previously should not be described in detail but merely cited in appropriate references.

Results. This section should include a concise description of the data presented in the tables and figures. Excessive elaboration of data already given in tables and figures should be avoided. The results and discussion sections may be combined if the logical sequence of the material is improved.

Discussion. In this section, the data should be interpreted concisely without repeating material already presented in the results section. Speculation is permitted.

References. References should be numbered consecutively as they are cited in the text. The format to be used for journal references is as follows:

1. Croxton, F., and Crowden, D. 1946. *Applied General Statistics*. New York: Prentice Hall, Inc.
2. Baker, D. 1960. Temperature trends in Minnesota. *Bull. Amer. Meteorological Soc.* 41:1-18.
3. Upton, F.C. 1957. Physical carcinogenesis: radiation, history and sources. In F.F. Becker (ed.), *Cancer*, Vol. 3, pp. 387-402. New York: Plenum Press.

Tables. Each table must have a descriptive title and an explanatory paragraph that permits the reader to understand experimental details without reference to the text. Each column must carry an appropriate heading and if numerical measurements are given, these units should be added to the column heading. Tables should be numbered with Arabic numerals and table footnotes should be indicated with superscript, lower-case letters.

Figures. Figures must be submitted in a condition adequate for direct reproduction in the Journal. Each figure should be accompanied by a legend, typed double-spaced on a separate sheet of paper, that briefly describes the data shown. Details in the text need not be repeated. All units, abbreviations, mathematical expressions, abscissas, ordinates, and symbols must be adequately identified.

Page Charges

Research articles. **Members:** \$35 per page for first four pages; \$70 each additional page. **Non-members:** \$50 per page for first four pages; \$100 each additional page.

Minnesota Academy of Science

Suite 410
408 St. Peter St.
St. Paul, MN 55102

Nonprofit Org.
U.S. Postage
PAID
St. Paul
Minnesota
Permit No. 5464

Celebrating 40 years of 3M Support

3M for over 40 years has provided financial and volunteer support for the Minnesota Academy of Science (MAS) youth programs.

Volunteerism continues to be one of 3M's greatest contributions to MAS. Over the past 40 years thousands of 3M employees and retirees have given generously of their time and professional expertise to positively affect the lives of Minnesota youth. 3Mers have judged science fairs, read student research papers, provided career information at "Breakfast with the Scientists," and piloted "Share Science," a service learning program for high school students.

3Mers have also played a key role in MAS leadership by serving on the Board of Directors and committees. The following 3Mers served as:

MAS Presidents:

1960-61 John Rendall
1980-81 James R. Johnson
1988-90 Gary Goken
1994-96 Judith E. Parker

Current MAS Board Member

Lois McCray

Contributions from businesses, scientific and academic organizations, foundations, institutions and individuals provide essential support to the Minnesota Academy of Science beyond the dues of members. Their contributions, which are tax-deductible, may be made as annual donations or as stipends for specific projects, memorials or other Academy purposes.

Sponsoring Contributors

3M Foundation
Seagate Technologies
State of Minnesota