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## THE IOWA SCIENCE TEACHERS JOURNAL

*The Iowa Science Teachers Journal* is co-sponsored by the Iowa Academy of Science and the University of Northern Iowa. The journal is mailed by the University of Northern Iowa Extension Service and is published tri-annually. The journal is dedicated to the improvement of science teaching and to the stimulation of interest in scientific studies.

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For subscriptions, circulation data, additional copies and change of address, write the Managing Editor, *ISTJ*, Iowa Academy of Science, P. O. Box 868, Cedar Falls, Iowa 50613. Single copies may be obtained for \$1.25; a year's subscription is \$4.00. Any secondary science teacher in Iowa may obtain a subscription free of charge if a request is mailed to the Managing Editor; all such requests must be made on school stationery.

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Publications will be received from all individuals interested in science education at any academic level. Preferential treatment will be given to Academy members and to papers with topics of special scientific and educational interest to science educators in Iowa.

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For information concerning news items, announcements or articles, contact A. C. Haman, Editor, *Iowa Science Teachers Journal*, Department of Biology, University of Northern Iowa, Cedar Falls, Iowa 50614.

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Experiments, laboratory exercises, lecture demonstrations and other descriptions of the use of chemicals, apparatus and instruments are presented in this journal as illustrative and directed at qualified teachers. Although every effort is made to ensure and encourage safe practices and safe use of chemicals, *ISTJ* cannot assume responsibility for uses made of its published materials. All those teachers planning to use materials from our pages should make choices and develop procedures for laboratory and classroom safety in accordance with local needs and situations.

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