

1970

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(1970) "Cover - IAS & ISTS Officers, Directors and Chairpersons - IST Journal Information - Table of Contents," *Iowa Science Teachers Journal*: Vol. 8: No. 1, Article 1.

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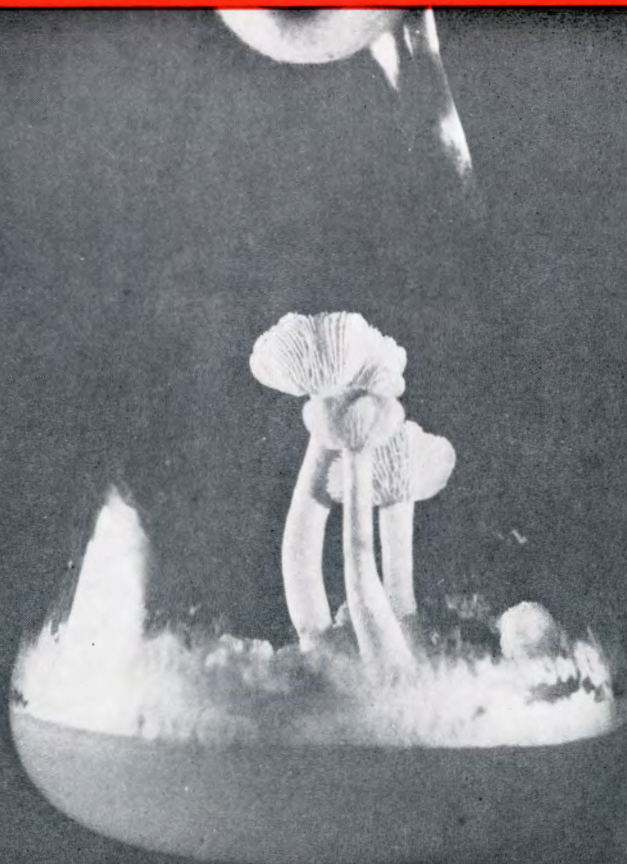
IOWA

SCIENCE TEACHERS' JOURNAL

Volume 8

Number 1

October 1970



A PUBLICATION OF THE IOWA ACADEMY OF SCIENCE

in cooperation with

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The IST Journal is published each October, December, February, and April by the Iowa Academy of Science for its members and special subscribers. Its central theme is science teaching at all academic levels.

Subscription Rates: Single copies \$5.00; subscription, \$2.00. For subscription, circulation data, additional copies, and changes of address, contact Dr. Robert Hanson, Iowa Academy of Science, University of Northern Iowa, Cedar Falls, Iowa.

Advertising Rates: Full page, single issue \$50; \$160 per annum. For advertising information contact: Sister Mary Martina, Lennihan High, Marshalltown, or Walter DeKock, Scl., UNI, Cedar Falls.

Publication: Open to all persons interested in science education; preferential consideration for Academy members. For information as to policy as well as submission of new items of general articles, contact: Robert E. Yager, Science Education, U of I, Iowa City. All manuscripts should be typewritten, double-spaced on one side of the paper, and submitted in duplicate. They must reach the

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The cover photograph by Dr. M. A. Rosinski of The University of Iowa Department of Botany shows a *Panus tigrinus*, a very common species of mushroom that grows primarily on dead River Birch (*Betula nigra* L.) but occasionally on other hardwood species in Iowa. It has been the subject of research at The University of Iowa because it produces its fruits readily on a defined and simple nutrient medium consisting of glucose for energy, ammonium tartrate as a nitrogen source, one vitamin (thiamin), and the essential mineral elements. Several taxonomic, ecological, and physiological questions about this species have already been answered and numerous others are in the process of being answered—such as what factors, genetic and physiological, affect the development of the highly differentiated mushroom from the less well differentiated mycelium (mold) stage.