

1969

## Cover - IAS & ISTS Officers, Directors and Chairpersons - IST Journal Information - Table of Contents

Follow this and additional works at: <https://scholarworks.uni.edu/istj>



Part of the [Science and Mathematics Education Commons](#)

*Let us know how access to this document benefits you*

Copyright © Copyright 1969 by the Iowa Academy of Science

---

### Recommended Citation

(1969) "Cover - IAS & ISTS Officers, Directors and Chairpersons - IST Journal Information - Table of Contents," *Iowa Science Teachers Journal*: Vol. 7: No. 1, Article 1.

Available at: <https://scholarworks.uni.edu/istj/vol7/iss1/1>

This Front Matter is brought to you for free and open access by the IAS Journals & Newsletters at UNI ScholarWorks. It has been accepted for inclusion in Iowa Science Teachers Journal by an authorized editor of UNI ScholarWorks. For more information, please contact [scholarworks@uni.edu](mailto:scholarworks@uni.edu).

**Offensive Materials Statement:** Materials located in UNI ScholarWorks come from a broad range of sources and time periods. Some of these materials may contain offensive stereotypes, ideas, visuals, or language.

# IOWA

## SCIENCE TEACHERS' JOURNAL

Volume 7

Number 1

October 1969



A PUBLICATION OF THE IOWA ACADEMY OF SCIENCE

*in cooperation with*

THE DIVISION OF EXTENSION AND UNIVERSITY SERVICES  
THE UNIVERSITY OF IOWA

#### ACADEMY OFFICERS

President—Thomas Rogers, Cornell College  
Vice-President—Herbert Hendricks, Cornell College  
Secretary-Treasurer—Harry T. Horner, Jr., Iowa State University  
Editor—Paul Meglitsch, Drake University  
Executive Secretary—Robert W. Hanson, University of Northern Iowa

#### DIRECTORS

Charles Allegre, Cedar Falls  
William Azbell, Waverly  
Richard Bovbjerg, Iowa City  
Arnold Haugen, Ames  
Frank Starr, Waterloo  
Edwin Vaughan, Bettendorf  
Robert Yager, Iowa City

#### SECTION CHAIRMEN FOR 1970

Archaeology—Marshall McKusick, Iowa City  
Botany—Lawrence Eilers, Cedar Falls  
Chemistry, Inorganic & Physical—Ching Woo, Cedar Falls  
Chemistry, Organic & Biological—Jeff Kaiser, Cedar Rapids  
Conservation—George Knudsen, Decorah  
Engineering—W. F. Ames, Iowa City  
Geology—Wayne Anderson, Cedar Falls  
Mathematics—Elsie Muller, Sioux City  
Physics—Roger Hanson, Cedar Falls  
Physiology—G. W. Searle, Iowa City  
Psychology—Thomas Hannum, Ames  
Science Teaching—George Chapman, Dubuque  
Zoology—Virgil Dowell, Cedar Falls

#### STANDING COMMITTEE CHAIRMEN

Conservation—Arnold Haugen  
Finance and Endowment—Edwin Vaughan  
High School Relations—Frank Starr  
Membership—William Azbell  
Science Talent Search—Charles Allegre  
Science Teaching—Robert Yager

#### ISTS OFFICERS

President—George Chapman, Dubuque  
Vice-President—Eloise Soy, Cedar Falls  
Secretary—Henry Dickinson, Maquoketa  
Treasurer—William Peterson, Sioux City  
Past-President—Richard Sweeney, Des Moines  
Editor—Robert Yager, Iowa City  
Representative of Regional Directors—Edward Flannery, Council Bluffs

#### REGIONAL DIRECTORS

Northwest—Milbert Krohn, Spirit Lake  
North Central—Lena Keithahn, Mason City  
Northeast—Dean Halvorson, Dubuque  
West Central—Dennis Lee, Lake City  
East Central—Verlin Fleagle, DeWitt  
Southwest—Edward Flannery, Council Bluffs  
South Central—Eugene Brady, Perry  
Southeast—Donald Worster, Keokuk  
Central—Edward Rasmussen, Newton

#### SECTION CHAIRMEN FOR 1969

Elementary—Dean Halvorson, Dubuque  
Biology—Keith Lubbock, Monticello  
Chemistry—Donald Murphy, Des Moines  
Physics—Henry Biere, Anamosa  
Earth Science—Verlin Fleagle, DeWitt

#### STANDING COMMITTEE CHAIRMEN

Election—Clifford McCollum, Cedar Falls  
Membership—Lynn Glass, Iowa City  
Fall Program—Eloise Soy, Cedar Falls  
Spring Program—Richard Sweeney, Des Moines  
Short Course—Sister Barbara Donovan, B.V.M., Emmetsburg  
Policy and Resolution—George Chapman, Dubuque

#### AFFILIATION REPRESENTATIVES

NABT—David Fagle, Marshalltown  
AAPT—Donald Schaefer, Bettendorf  
CASMT—Gerald Krockover, Iowa City  
NSTA—Lynn Glass, Iowa City  
ISEA—Tom Scott, Des Moines  
IAS—Robert Yager, Iowa City  
IJAS—Frank Starr, Waterloo

### *The Iowa Science Teachers' Journal*

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 \$.50; subscription, \$2.00. For subscription, circulation data, additional copies, and changes of address, contact Richard Gates, Science Education, The University of Iowa, Iowa City, Iowa 52240.

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

editor three months prior to publication date if they are to be considered for a given issue.

#### STAFF

Managing Editor—Richard Gates, Iowa City

#### Advertising Committee

William Azbell, Wartburg College, Waverly  
Walter DeKock, UNI, Cedar Falls  
Milbert Krohn, Spirit Lake High, Spirit Lake  
Sister Mary Martina, Lenniham High, Marshalltown  
James Merritt, Keokuk High, Keokuk

#### Editorial Board

Leland Wilson, UNI, Cedar Falls  
James Dibelbiss, Westmar, Le Mars  
Ray Haun, Drake, Des Moines  
Donald Biggs, ISU, Ames  
Delma Harding, ISU, Ames  
George Cossman, U of I, Iowa City

News and Notes Editor—Paul Tweeten, Des Moines

Photographic Editor—Alan Whitworth, Cedar Rapids

# IOWA SCIENCE TEACHERS' JOURNAL

*A Publication of the Iowa Academy of Science*

---

Volume 7

Number 1

October 1969

---

## IN THIS ISSUE:

<i>Open Letter to Science Teachers</i> .....	2
<i>The Dual Crisis in Science and Society</i> .....	3
Barry Commoner	
<i>Conservation and the Biology Teacher</i> .....	9
M. E. Stempel	
<i>The Imbalance of Nature</i> .....	12
Chalmer J. Roy	
<i>A Summary of a Survey of Science Taught in Hampton Elementary Schools</i> .....	17
Kenneth E. Moeller	
<i>A Change and a Parting: Nuffield Biology in England</i> .....	20
Carmon Slater	
<i>An Accurate Method for the Determination of Surface Area</i> .....	29
Larry L. Schenken	
<i>NSTA 1969 Regional Conferences</i> .....	32

---

This month's cover shows small-group lab instruction at Kennedy High School, Cedar Rapids, Iowa. Biology instructor Robert Stevens explains a genetics lab procedure to students. Small-group instruction is an integral part of the team-teaching approach at Kennedy. The large lab room pictured can accommodate 80 to 90 students at a time. (Photo by John McIvor)