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Selection of Executive Secretary for IAS Committee Report

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NEWS and NOTES

Short-Course a Success!

The annual short course which ISTS co-sponsors with Iowa State University was a success once again. Each year there is a feeling that the latest one has been better than the ones that preceded it. Sister Barbara Donovan of Emmetsburg was the ISTS representative who did an outstanding job. Dr. Donald Biggs of the ISU earth science department was the University chairman of the event. All science teachers are already looking for-

ward to March 1968 for the next Short Course!

Regional Meetings

The ISTS-IAS Regional Meetings have been most popular for secondary science teachers. It is hoped that this Academy program can grow and that more college students and faculty can be involved. The following regional meetings have been held in the city and under the direction of the person indicated.

Region	City	Director	Date
North Central	Mason City	Vern Gunderson	January 21, 1967
Central	Newton	Elwin Emery	February 11, 1967
Southeast	Keokuk	Donald Worster	February 21, 1967
South Central	Lamoni	Lyle Hanson	March 11, 1967

Annual Spring Meeting

April 21 and 22 are the dates for the Spring meeting of the Academy. Dr. Peggler has made his annual call for papers in which the section chairman of each of the sections was identified. Responses from this letter have been great. The program for the meeting at Drake University looks to be an exceptional one. All members should plan to be present.

Academy Program Committee

The new program committee of the Academy will be meeting for the first time to consider new projects, programs, and activities in which the Academy might become involved. Dean Earle Canfield of Drake University is the chairman. All members should send Dean Canfield suggestions prior to the annual meeting on April 21. This committee will be looking broadly at long range plans for the Academy. It will review past weaknesses and strengths as it arrives at suggested direction for the future.

U. S. Army Symposium

The annual U. S. Army Science and Humanities Symposium will be held on April 13, 14 and 15 at the University of Iowa. Motivated high school teachers and students will be invited to the campus for the program. Expenses for the symposium are provided by the U. S. Army Research Branch. Several internationally known speakers will be involved including Dr. Allen Hynak, an expert on UFO's. Five students will be selected to present papers as well. Dr. T. R. Porter is director of the program.

New Executive Secretary

The special committee appointed by President Chellevoid to study, to recommend, and to implement a plan for employing an executive secretary has made considerable progress. The Board of Directors accepted the following report in February. The Committee is progressing accordingly.

SELECTION OF EXECUTIVE SECRETARY FOR IAS COMMITTEE REPORT

For a number of years the Iowa Academy has felt a growing need for more effective promotion of science and science education in the state of Iowa. The establishment of a permanent office with a salaried executive secretary is envisioned as a major step toward the accomplishment of this goal. This committee report indicates recommended procedures for making such a move by September, 1967.

The appointment of the executive secretary as envisioned by the committee

would carry a three year commitment on the part of the Academy to accompany a three year professional appointment on a part time basis with a university. The initial salary provided by the Academy would be \$6000 annually. This salary would be increased by an equivalent amount consistent with the salary increases of the cooperating university. Although the funds available from the Academy and those from the cooperating university would be identical, arrangements for additional salary from outside grants and other agencies would not be precluded. Hence the committee recommends that references to half-time responsibilities with the Academy and half-time with the cooperating university be avoided. At the end of the three year contract the future location of the Academy office and the cooperating university would be reviewed. In addition, the effectiveness of the individual appointed would be reviewed as is the case with any new appointee at a university.

The executive secretary would be responsible to the Board of Directors of IAS with respect to the following duties in order of their relative importance:

1. Activities of the Central Office
 - a. Membership Activities
 - b. Fiscal Responsibilities
 - c. Organize Annual Meetings
 - d. Mailings
2. Coordinate Academy Programs
 - a. Junior Academy
 - b. Iowa Science Teachers' Section
 - c. Teacher Recognition
 - d. Use of AAAS Research Funds
 - e. Visiting Scientist
 - f. Talent Search
3. Direct Publication Activities
 - a. IST Journal
 - b. Proceedings
 - 1) Senior
 - 2) Junior

4. Promote Additional Activities and Provide Financial Backing for Same

The appointee would be responsible to the cooperating university in the following manner:

1. The Normal Duties Expected of an Assistant Professor with the Ph.D.
 - a. Staff Meetings
 - b. Committee Assignments ($\frac{1}{2}$ those expected of other staff members)
2. Instruction in a Three Semester Hour Graduate Course Each Term
 - a. Science Curriculum
 - b. Science Supervision
 - c. Problems of Science Education
 - d. Seminar: Research in Science Teaching
3. Advise Graduate Students as Desired
 - a. M.S.
 - b. Ph.D.

The cooperating university will be expected to provide office space, use of standard office equipment, and a secretarial service for university work for the appointee. The Academy will provide secretarial service as is currently provided for the secretary-treasurer (half-time plus clerical assistance for mass mailings). The office supplies, postage meter, etc., now owned by the Academy will be made available for the new appointee and the new central office. The cooperating university will make primary contacts with potential applicants and arrange for visits to the campus concerned. Members of the Academy's selection committee and other members of the Board of Directors will be notified and invited to participate in such

interviews on the campus of the cooperating university.

The committee spent considerable time in considering possible locations for the new office. Invitations for such a joint venture were received from Drake University, Iowa State University, State College of Iowa, and the University of Iowa. Several factors were considered in the choice of locations. These factors include: 1) geographical location, 2) cooperation with Department of Public Instruction enhanced with a state school, 3) facilities to be provided by cooperating university, and 4) duties expected for the appointee by the cooperating university.

After carefully considering the above factors, the committee recommends acceptance of the invitation of the University of Iowa as the cooperating university. This recommendation is made with the understanding that the specific interests of a prospective appointee may make alteration of this location desirable. However, the committee feels that it is desirable to begin the search for applicants with a specified description of a campus location and specific duties for the full time load. If another cooperating university is ultimately selected, the specific duties listed previously for the cooperating university may of necessity be altered slightly. Nonetheless, the relative responsibilities between Academy and university would remain the same.

Lester Earls
Leland Johnson
George Peglar (ex officio)
Robert Yager, Chm.

REVIEWS

Electronical Structure and Chemical Bonding, Donald K. Sebera, Blaisdell, 1966, \$3.50

This book is written that teachers desiring a more complete background in the elementary principles of atomic and molecular structure will find this very beneficial.

The modern ideas of chemical bonding are described through means of graphs in a non-mathematical manner.

The concepts are introduced with a brief discussion of spectra as related to Planck's relationships and Bohr's postulates. From this, the reader is lead to the development of the periodic table, size of atoms and ions, ionization potentials and electron affinity.

This is recommended for any chemistry teacher as a refresher text to update his background. It also is the type of book that can be used with advanced chemistry students at the high school level.

Reviewed by Sister Mary Leonarda Dougher, BVM, Regina Convent, Dubuque, Iowa.

Human Genetics and Its Foundations, Reinhold Publishing Co., New York, 1965. by Maurice Whittinghill

This text is to be highly recommended as an addition to the high school library. While the text itself is written at the college level, it would serve as an excellent reference source for both teacher and student.

The text itself is divided into four clearly definable sections. The first nine chapters deal with monohybrid genetic segregation from the point of view of the human population geneticist. The next five chapters deal with fractional expectations in regular chromosomal behavior; these chapters requiring some knowledge of simple statistical procedures for complete understanding, however. There are then six chapters on the biological and biochemical interactions of genes which lead to the final eight chapters on mutations and evolution.

Reviewed by Stephen Beisler, University of Iowa, Iowa City, Iowa.