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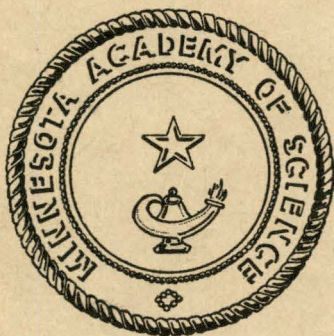
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Proceedings of

**THE MINNESOTA
ACADEMY OF SCIENCE**

VOLUME SIX • 1938



PAPERS PRESENTED AT SIXTH ANNUAL MEETING

ST. JOHN'S UNIVERSITY

April 23, 1938

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MINNESOTA ACADEMY OF SCIENCE

1939

OFFICERS

President	L. M. GOULD Carleton College, Northfield
Vice President	R. B. HARVEY University Farm, St. Paul
Secretary-Treasurer	H. K. WILSON University Farm, St. Paul

COUNCILORS

LOUIS H. POWELL, 1938-39 St. Paul Institute, St. Paul	H. E. ESSEX, 1938-41 Mayo Clinic, Rochester
E. M. FREEMAN, 1938-40 University Farm, St. Paul	E. T. TUFTE, 1938-42 St. Olaf College, Northfield

FROM THE PRESIDENT

Since the annual meeting at St. Johns University, Collegeville, on April 23, the council has met twice and has been responsible for the initiation or completion of the following activities.

SUMMER MEETING

The annual summer meeting was held at Zumbrota and the Nerstrand Woods on Saturday, September 17. This late date was selected by the council in the belief that a larger number of people would be able to attend than at an earlier summer date.

Conservation was the theme of this meeting. The forenoon was spent in an examination of soil conservation practices being carried out by the Civilian Conservation Corps in the vicinity of Zumbrota, under the direction of Company 714. The staff of the camp, under the leadership of Superintendent Lloyd Tynor, had made unusual preparations to take care of Academy members and guests and demonstrate the work which is being done. The camp staff had prepared detailed maps of the projects to be examined, which made it easy to understand the methods employed and the progress being made. After the examination of field projects in the morning, the party then returned to the camp where luncheon was served to 112 people. This number in itself bespeaks the success of this field meeting and carries with it the recommendation that such meetings be continued. In the afternoon, a second aspect of conservation was studied in the way of a very great conservation need. This need is the preservation of the Nerstrand Woods which constitute the most accessible, large remnant of the big woods still left in the state. The party spent the afternoon examining the woods where the unfortunate effects of cutting were observed and the need of immediate action to prevent further devastation was apparent.

COMMITTEE ON PRESERVATION OF NATURAL CONDITIONS

The creation of this committee by Professor William S. Cooper, former president of the Academy, has already proved to be a policy of far-reaching importance to the Academy. Under the able and enthusiastic chairmanship of Professor A. N. Wilcox, this committee is carrying out a systematic examination of the state to determine the areas which are most in need of being preserved for future studies in all of the natural sciences in this state. A subcommittee was appointed to examine and make recommendations concerning the establishment of a special area in Itasca State Park. The members of this committee are: Dr. Gustav Swanson, Dr. A. A. Granovsky and Dr. C. O. Rosendahl of the University of Minnesota; Dr. A. M. Elliott of State Teachers College at Bemidji; Mr.

J. Manweiler of the Farm Security Administration; and Dr. A. C. Voge of the Northwest School of Agriculture, Crookston.

EDITORIAL COMMITTEE

A committee to edit the publications of the Academy for the current year was appointed. It will consist of Professors H. K. Wilson, Palmer Johnson and J. W. Buchta.

PROGRAM COMMITTEE FOR 1939

In line with the precedent of previous years, the program for 1939 will be divided into three sections at least, with the following members as chairmen of the sections indicated:

Biological Sciences	O. T. Walter
Physical Sciences	H. S. Alexander
Science Education	W. C. Croxton

LEGISLATIVE COMMITTEE

With the incorporation of the Academy, it is hoped that financial support can be gotten from the legislature for assistance in the publication of the papers of the Academy. This work is in the hands of the following members: Professors O. T. Walter, Henry Schmitz, and Walter Kenyon.

HONORARY JUNIOR MEMBERS

Pursuant to the recommendation of the American Association for the Advancement of Science, two members of the Junior Academy have been nominated for Honorary Junior Membership. They are Althea Ryder of Stillwater, and Robert Higgins of Rochester.

* * *

Dr. H. K. Wilson, the secretary, will represent the Academy at the Christmas (1938) meeting of the American Association for the Advancement of Science, at Richmond.

The annual meeting for 1939 will be held on April 22 at Macalester College, St. Paul. Members of the Academy, as well as the rest of the staff at Macalester, are making plans to care for a large attendance, and it is hoped that they will not be disappointed.

LAURENCE MCK. GOULD, *President*

December 17, 1938