

# Journal of the Minnesota Academy of Science

---

Volume 5 | Number 6

Article 1

---

4-18-1936

## Front Matter

Follow this and additional works at: <https://digitalcommons.morris.umn.edu/jmas>



Part of the [Life Sciences Commons](#), [Physical Sciences and Mathematics Commons](#), and the [Social and Behavioral Sciences Commons](#)

---

### Recommended Citation

(1936). Front Matter. *Journal of the Minnesota Academy of Science*, Vol. 5 No.6, 1-4.  
Retrieved from <https://digitalcommons.morris.umn.edu/jmas/vol5/iss6/1>

This Article is brought to you for free and open access by the Journals at University of Minnesota Morris Digital Well. It has been accepted for inclusion in Journal of the Minnesota Academy of Science by an authorized editor of University of Minnesota Morris Digital Well. For more information, please contact [skulann@morris.umn.edu](mailto:skulann@morris.umn.edu).

THE SCIENCE MUSEUM  
OF MINNESOTA

THE 4<sup>TH</sup>  
ANNUAL MEETING  
of

**The Minnesota Academy  
of Science**

APRIL 18, 1936



Carleton College — St. Olaf College  
NORTHFIELD, MINNESOTA

**Program**  
**FOURTH ANNUAL MEETING**  
of  
**The Minnesota Academy of Science**

Carleton College — St. Olaf College

NORTHFIELD, MINNESOTA

APRIL 18, 1936

and

**PAPERS PRESENTED**

at

**THIRD ANNUAL MEETING**

APRIL 13, 1935

Program .....	2
Officers .....	2
A Message from Our President .....	4
Papers Presented at Third Annual Meeting .....	5
List of Members .....	44

# PROGRAM

## The Minnesota Academy of Science

FOURTH ANNUAL MEETING

SKINNER MEMORIAL CHAPEL, CARLETON COLLEGE

APRIL 18, 1936

9:30 A. M.

College Personnel Work - - - - DR. E. G. WILLIAMSON,  
University of Minnesota

The Development of Public Health Medicine in Minnesota -  
DR. L. B. WILSON, Director, Mayo Foundation

In Praise of Parasitism - - - - PRES. E. M. FREEMAN,  
University of Minnesota

LUNCHEON AND BUSINESS MEETING 12 NOON

CARLETON COLLEGE TEA ROOM

PUBLIC LECTURE—8 P. M.

SKINNER MEMORIAL CHAPEL

Forests and Glaciers in Southeastern Alaska - DR. W. S. COOPER,  
University of Minnesota

### OFFICERS

*President* ..... E. M. FREEMAN, University of Minnesota  
*Vice President* ..... L. M. GOULD, Carleton College  
*Secretary-Treasurer* ..... H. K. WILSON, University of Minnesota  
*Councilors* ..... REV. WENDEL LUTEMER, St. Johns University  
E. T. TUFTE, St. Olaf College  
G. W. FRIEDRICH, St. Cloud Teachers College  
LOUIS H. POWELL, St. Paul Institute

1:30 P.M.

## BIOLOGICAL SCIENCE SECTION

ADMINISTRATION BUILDING, ST. OLAF COLLEGE

- Amoeba External Parasites on Hydra - REV. WENDEL LUETMER, St. Johns University
- Nutritional Studies of Protozoa - - - - DR. ALFRED M. ELLIOTT,  
State Teachers College, Bemidji
- Will Pine or Aspen Dominate Minnesota Forests? - - DR. HARDY L. SHIRLEY,  
Lake States Forest Experiment Station
- Inheritance of Oil Quality in Flax - - - - - PROF. A. C. ARNY,  
University of Minnesota
- Some Factors Affecting the Drought Resistance of Woody Plants - - -  
MR. L. J. MEULI, Lake States Forest Experiment Station
- Studies on the Inter-relationship of the Thyroid and Super-renal - - -  
DR. R. A. WAGGENER, Carleton College
- Observations and Experiments on Diseases of Plants in Hyderabad State, India  
MR. SYED VAHEEDUDDIN, University of Minnesota
- The Forestry and Biological Station of the University of Minnesota at Itasca Park  
DR. A. A. GRANOVSKY, University of Minnesota
- A Comparative Study of the Origin and Cytological Development of Some Legume  
Nodules - - - - - DR. F. W. BIEBERDORF, St. Olaf College

1 1

1:30 P.M.

## PHYSICAL SCIENCE SECTION

ADMINISTRATION BUILDING, ST. OLAF COLLEGE

- Permanent Display Cases—A Valuable Adjunct to College Chemistry Teaching  
DR. J. C. HILLYER, Carleton College
- Cast Iron Pavement - - - - PROF. E. W. DAVIS, University of Minnesota
- Rapid Electro-Analysis in a Boiling Cell - DR. FRANZ F. EXNER, Carleton College
- Nuclear Chemistry - - - DR. J. WILLIAM BUCHTA, University of Minnesota
- Liesegang's Rings in Very Long Tubes - DR. J. C. HILLYER, Carleton College
- The Pleistocene Geology of the Sediments in which the Minnesota Man was Dis-  
covered - - - - - DR. GEO. A. THIEL, University of Minnesota

3

## A Message from Our President

The Minnesota Academy of Science has at least three important avenues of usefulness: first, to the public which through state or private institutions makes much of our scientific achievement possible; second, to the sciences to which our professional contributions are made; and, third, to its own members through the opportunities and activities that it alone can offer.

It is a commonplace that science has almost outrun our capacity for its social control and usage. Nevertheless, to the public, science has amply justified itself and is still capable of unlimited service. The growth of science itself is not to be measured by newspaper headlines or by the more spectacular contributions which appear from time to time. Every scientist knows that such contributions are often the lucky culmination of numerous and laborious contributions by many little-known investigators. The real progress of science is measured by the countless smaller contributions which add brick upon brick to the body of our scientific knowledge. The programs of this Academy are in a very real sense contributions to science.

Perhaps the greatest service which the Academy can offer is to its own members. Properly supported and wisely organized, it has the potentiality not only of uniting the scientific thought of the whole commonwealth but also of concentrating the knowledge and power of science toward improvement in the social, economic, and educational progress of the state. Our scientists are, by reason of their varied occupations, widely scattered and often isolated. Friendships and personal contacts are powerful promoters of cooperation. Interchange of thought is a stimulus to scientific growth. Organization for a common cause in our common interests is obviously essential. The Academy offers you a cooperation in your scientific interests, the comradeship of men and women active and interested in you and your work, and, finally, that organization essential to the greatest service which your science can give to the public.

E. M. FREEMAN