

*Certain aspects of the chemical composition of the apple flower:* F. S. HOWLETT.

*Lodging in oats and wheat:* F. A. WELTON.

*Variations in American crab apple:* E. L. FULLMER.

*Some factors influencing the development of venturia inequalis:* H. C. YOUNG.

*Degeneration of potatoes in Ohio:* PAUL E. TILFORD.

*Effects of lightning on the trunk of platanus occidentalis:* JOHN H. SCHAFFNER.

*The microchemistry of flax fiber formation:* D. B. ANDERSON.

*Some fresh water algae from Fukien, China:* L. H. TIFFANY.

*Pre-staining in histological technique:* CHAS. H. OTIS.

*The seasonal development of apple scab in central Ohio in 1924:* H. W. JOHNSON.

*The genus oedogonium:* L. H. TIFFANY.

*Experiments on the control of apple scab in central Ohio in 1924:* W. G. STOVER and H. W. JOHNSON.

*Some Mississippian physiography of northeastern Ohio:* G. F. LAMB.

*Peneplains in Muskingum County, Ohio:* G. W. CONREY.

*Peneplains and straths in southern Ohio:* WILBUR STOUT.

*The uplands of Jefferson County, Ohio:* R. E. LAMBORN.

*A method of estimating post-glacial time:* ALLYN C. SWINNERTON.

*Geologic structures in southern Vermont:* GEO. D. HUBBARD.

*Limestone caves in Ohio:* GEO. W. WHITE.

*The areas of distribution of paleozoic seas in the Arctic regions of North America, Europe and Asia, in connection with the problem of circumpolar seas:* AUG. F. FOERSTE.

*Difference in Niagaran faunas due to development in different arms of the sea, in connection with the Cincinnati, Kankakee, LaSalle and other anticlines:* AUG. F. FOERSTE.

*A drag fault:* G. F. LAMB.

*Some recent deep wells in Ohio:* J. A. BOWNOCKER.

*Dip and expansion of deep-seated rocks in eastern Ohio:* WILBUR STOUT.

*The members of the Monroe and their distribution in Ohio:* J. ERNEST CARMAN.

*Some striking features of the lower Mercer limestone in Mahoning County:* EDWIN J. BOGNAR.

*A suggestion in teaching economic geology:* GEO. D. HUBBARD.

*The scrub grass coal in Ohio:* WILBUR STOUT.

*The laws of motion under constant power:* L. W. TAYLOR.

*A precision determination of the acceleration of gravity:* H. HUGH WILLIS.

*A quantitative measurement of the change in intensity in radio signals during the transition from daylight to dark:* C. E. HOWE.

#### DEMONSTRATIONS

Specimens to illustrate paper on *Some observations on*

*the architecture of the spongiosa of the calcaneus (above):* S. W. CHASE.

*Grey squirrel killed by excessive growth of incisor teeth:* E. W. SCHEAR.

*Drawings of Forster's types of odonata:* C. H. KENNEDY.

*Iron bacteria from Yellow Springs, Ohio:* A. C. SWINNERTON and O. L. INMAN.

*The Mateer embryo. Presomite human embryo-twin:* H. N. MATEER.

*One cause of the failure of Canada thistles to produce seeds:* FRED A. DETMERS.

*Progress of the common barberry eradication campaign, 1918-1924:* JNO. W. BARINGER.

*Slides showing musculature of appendages in hexapoda:* L. B. WALTON.

*Biological record cards:* L. B. WALTON.

WILLIAM H. ALEXANDER,  
Secretary

COLUMBUS, OHIO

## THE INDIANA ACADEMY OF SCIENCES

THE spring meeting of the Indiana Academy of Science was held at Clifty Falls State Park on May 14, 15 and 16. Over one hundred and fifty persons attended.

On Thursday evening, May 14, the following social and business meeting was held at Clifty Inn:

*The geology of Jefferson County:* Professor GLENN CULBERTSON.

*Our misconduct in nature:* Mr. RICHARD LIEBER.

*Swans and other birds:* Mrs. ETTA S. WILSON.

Friday and Saturday, May 15 and 16, were spent visiting points of interest in Jefferson County. These included a trip through Clifty Gorge, inspection of Southeastern Hospital for the Insane, a drive to Hanover College, an automobile trip up the Ohio Valley and visits to the Lanier Historical Building, Lloyd's Cave, Waldron Fossil Beds and the railroad cuts at Madison.

Dr. H. W. Wiley, one of the charter members of the academy, was present throughout the meetings, making all the trips in spite of his age.

The officers of the Academy for the year are: Dr. E. B. Cumings, Indiana University, *president*; Charles Stoltz, South Bend, *vice-president*; Dr. Flora Anderson, Bloomington, Indiana, *secretary*; Professor J. B. Dutcher, Bloomington, Indiana, *assistant secretary*; Dr. Wm. M. Blanchard, DePauw University, Greencastle, Indiana, *treasurer*; Professor J. J. Davis, Purdue University, West Lafayette, Indiana, *editor*.

HARRY F. DIETZ,  
Press Secretary

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