

The nutritive value of a little-known bean: H. H. M. BOWMAN.

Blood sugar studies: E. C. ALBRITTON.

Calcium deficiency as a factor in psychopathy: FLORENCE MATEER.

Psychological method of studying: HAROLD E. BURTT.

A study in the evolution of concepts: GARRY C. MYERS.

Utilizing college records, including appointment blanks, to predict after-college success of students: LAURA CHASSELL TOOPS.

An investigation of the development of personality in children: O. R. CHAMBERS.

Notes on musical esthetics: PAUL R. FARNSWORTH.

The necessary postulates of empirical psychology: H. M. JOHNSON.

DEMONSTRATIONS

Yellow poplar wood: O. A. ALDERMAN.

Corn: MARION T. MYERS.

Lower jaw of a boar showing tusks: WILLIAM E. NIEHAUS.

*Water snake (*tropidonotus fasciatus*) in the act of swallowing a creek sucker:* F. A. HANAWALT.

*Skeleton mount of common mole (*scalopus aquaticus machrinus*):* W. H. CAMP.

*Plaster cast of earthworm (*lumbricus terrestris*); cross-section:* HENRY OLSON.

Examples of certain homoptera of the Southwest, with photographs of their habitats: HERBERT OSBORN.

Activity cages: E. P. DURRANT.

The structure of dental enamel: SAMUEL W. CHASE.

A novel form of symphalangism or hypodactyly: ONDNES L. INMAN.

A new type of physiographic map: KIRTLEY F. MATHER.

WILLIAM H. ALEXANDER,
Secretary

COLUMBUS, OHIO

THE UTAH ACADEMY OF SCIENCES

THE seventeenth annual convention of the Utah Academy of Sciences was held on April 4 and 5, 1924, in the physics lecture room, University of Utah.

The following officers were elected for the ensuing year:

President, Professor William Peterson, Utah Agricultural College, Logan.

First vice-president, Professor Harold R. Hagan, University of Utah, Salt Lake City.

Second vice-president, Dr. Thomas L. Martin, Brigham Young University, Provo.

Council, Gerald Thorne, Salt Lake City, Dr. W. D. Bonner, University of Utah, and D. A. Shoemaker, Ogden.

Secretary, C. Arthur Smith, East High School, Salt Lake City.

Professor J. G. Olson, assistant bacteriologist of Utah, and Professor Robert S. Lewis, professor of

mining and milling, University of Utah, were elected fellows of the academy.

Dr. Roy F. Newton, assistant director of metallurgy, University of Utah, was elected to membership.

After considerable discussion it was voted to recommend to the incoming officers that a number of committees representing various interests of a more or less economic nature be selected, the chairmen of which to be named from the resident past-presidents.

REPORT OF ANNUAL MEETING

The duties of these committees are to constitute an extension of the activities of the academy and do not in any sense change its original purpose, *viz.*, that of providing an outlet for reports on original scientific investigations by local scientists. This feature of the academy will be preserved.

These committees will make investigations in their respective fields and prepare reports which will be read at one of the sessions of the annual meetings.

The following papers were read:

THE PRESIDENT'S ADDRESS

Energy and its relations to human welfare: CARL F. EYRING, Brigham Young University.

PAPERS

Biographical sketch of the life and work of Dr. William A. Stephensen: J. G. OLSON, University of Utah.

Vulcanism in City Creek Canyon: HYRUM SCHNEIDER, University of Utah.

The chemical reactions of chloridizing: ROY F. NEWTON, University of Utah.

Some stock poisoning plants of Utah: A. O. GARRETT, East High School, Salt Lake City.

The capillary potential function: WILLARD GARDNER and B. M. WHITNEY, Utah Agricultural College.

Embryonic development of the Chinese mantid (illustrated): HAROLD R. HAGAN and L. W. SORENSON, University of Utah.

Embryonic development of the telson of the Chinese mantid: HAROLD R. HAGAN and MISS EVA HANSEN, University of Utah.

Effect of prolonged maintenance on subsequent growth and development in pigs: W. E. CARROLL, Utah Agricultural College.

Aerial photography applied to map-making: ROBERT S. LEWIS, University of Utah.

The capillary potentiometer as a meteorological instrument: WILLARD GARDNER and CHESTER A. CHAMBERS, Utah Agricultural College.

Need of manure on Utah irrigated land: D. W. PITTMAN, Utah Agricultural College.

*Precambrian rock at the end of promontory range:*¹ HYRUM SCHNEIDER and STANLEY SIEGFUS, University of Utah.

C. ARTHUR SMITH,
Secretary

¹ This paper did not assume that the rock is precambrian, it merely discussed evidences of it.