

time as to which of these explanations will prove to be the correct one, we can at least be certain that the living corpus luteum has the function of inhibiting ovulation and of being a decisive factor in the mechanism of the sexual cycle.

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### THE OHIO ACADEMY OF SCIENCE

THE twenty-eighth annual meeting of the Ohio Academy of Science was held at Ohio State University, Columbus, May 30 to June 1, 1918, under the presidency of Professor Francis L. Landacre. Forty-seven members were registered as in attendance; ten new members were elected.

It was reported by the trustees that Mr. Emerson McMillin, of New York City, had again contributed two hundred and fifty dollars to the research fund of the academy.

War conditions were noticeable in a somewhat reduced attendance, as well as in a suggestion of the trustees that a part of the research fund be invested in Liberty Bonds—a suggestion enthusiastically endorsed by the academy.

The following resolution was also adopted, relative to the study of German in the colleges:

The Ohio Academy of Science places itself on record as deprecating the suppression of the study of the German language in the curricula of some of our colleges.

The study of German should be continued not only by reason of its direct utility to our troops abroad, but also because it is fundamentally necessary to science and productive scholarship.

It is not the language, but Prussian ideas, which are antagonistic to the Allied nations; and any action which prevents the efficient development of scholarship and science, and of the industries dependent upon them, will prove advantageous to our enemies.

After adjournment of the formal sessions, the botanists and zoologists made a short auto excursion to the picturesque and ecologically interesting Sugar Grove region, and the geologists took a longer trip for the study of the rock series (Niagara to Carboniferous) and topography between Hillsboro and the Scioto River. Both excursions were eminently successful.

Officers were elected as follows: *President*, M. M. Metcalf, Oberlin College. *Vice-presidents*: Zoology, R. A. Budington, Oberlin College; Botany, C. E. O'Neal, Ohio Wesleyan University; Geology, G. F. Lamb, Mt. Union College; Physics, S. R.

Williams, Oberlin College; Medical Sciences, Ernest Scott, Ohio State University. *Secretary*, E. L. Rice, Ohio Wesleyan University. *Treasurer*, J. S. Hine, Ohio State University.

The scientific program was as follows:

#### PRESIDENTIAL ADDRESS

*The origin of the cerebral ganglia of the vertebrates*: PROFESSOR F. L. LANDACRE, Ohio State University.

#### SYMPOSIUM ON SCIENCE AND THE WAR

*The work of the ground schools in the training of the air forces of the United States*: PROFESSOR F. C. BLAKE, Ohio State University.

*Modern methods of plant disease control*: PROFESSOR W. G. STOVER, Ohio State University.

*Psychological tests in the army*: CAPTAIN GEORGE F. ARPS, Ohio State University.

*Methods of teaching the theory of flight in schools of aeronautics*: PROFESSOR H. C. LORD, Ohio State University.

*Topography and the war on the western front*: PROFESSOR T. M. HILLS, Ohio State University.

*The newer demands on physics and physics teachers due to the war*: PROFESSOR E. H. JOHNSON, Kenyon College.

#### PAPERS

*A peculiar habit of the rusty grackle*: EDWARD L. RICE.

*Notes on distribution of North Atlantic Bryozoa*: RAYMOND C. OSBURN.

*Economic value of the Ephemera*: CHAS. P. FOX.

*Remarks on leaf hoppers of Hawaiian Islands*: HERBERT OSBORN.

*The fauna of a series of rock-bottomed ponds*: F. H. KRECKER.

*The habits of the folding-door spiders*: W. M. BARROWS.

*The subterranean life of meadows and pastures*: HERBERT OSBORN.

*Opalina and the origin of the Ciliata*: MAYNARD M. METCALF.

*The bryozoan gizzard*: RAYMOND C. OSBURN.

*Free-swimming larval colonies of Pectinatella from Black Channel, Cedar Point*: STEPHEN R. WILLIAMS.

*Anatomy of Echinorhynchus sp.*: C. F. MC-KHANN, JR., introduced by STEPHEN R. WILLIAMS.

*The effect of certain ductless gland extracts on plant tissues*: R. A. BUDINGTON.

*Our knowledge of Ohio Crustacea*: RAYMOND C. OSBURN.

*A list of Ohio spiders (now in press):* W. M. BARROWS.

*A preliminary survey of the Protozoa of Mirror Lake on the Ohio State University campus:* MABEL E. STEHLE.

*Application of colloid chemistry to nephritis:* HAZEL C. CAMERON.

*Reaction time in the blind and the deaf:* A. M. BLEILE.

*The effect of radium radiations on the germ cells of Drosophila ampelophila:* W. M. BARROWS. *Studies on vaso-motor balance:* CLYDE BROOKS, CLAYTON MCPEEK and R. J. SEYMOUR.

*Note on the catalase content of the turtle heart:* R. J. SEYMOUR.

*Pneumococcus types:* CARL L. SPOHR.

*The cancer problem:* ERNEST SCOTT.

*Behavior of the X-chromosomes in Branchipus vernalis:* R. C. BAKER.

*Work of the Plant Disease Survey, U. S. D. A., in Ohio:* A. D. SELBY.

*Characteristics of the eruption of Katmai as indicated by its effect on vegetation:* ROBERT F. GRIGGS.

*The Lecideaceae of Ohio:* BRUCE FINK.

*Interesting ascomycetes:* BRUCE FINK.

*A revised course for secondary botany:* BLANCHE McAVOY.

*Inland associations of algæ:* E. N. TRANSEAU.

*Regeneration studies of Bryophyllum:* CHARLES W. McINTYRE.

*Effect of hairy coverings on transpiration:* JASPER D. SAYRE.

*Succession of prairies:* HOMER C. SAMPSON.

*Effect of seed treatment for smut on germination:* WILMER G. STOVER.

*The indicator significance of plant associations in crop distribution in the United States:* ADOLPH WALLER.

*Vegetative reproduction of the pinnatifid spleenwort:* CLARA G. MARK.

*An apple root fungous disease:* HARRY W. LUTZ.

*An electric drying oven for plant presses:* E. LUCY BRAUN.

*Some land forms of central southern Ohio:* LEWIS G. WESTGATE.

*Fossils of the Greenfield (Ohio) dolomite and where to find them:* C. W. NAPPER.

*Moulding sands of Ohio:* J. A. BOWNOCKER.

*Effects of the Wisconsin glacier on a portion of the Whitewater valley in Indiana:* W. M. TUCKER.

*Some especially interesting new species of Richmond fossils:* W. H. SHIDELER.

*Effect of transverse magnetic field on some of the physical properties of nickel wire:* A. A. ATKINSON.

*The magnetic-mechanical analysis of cast iron:* SAMUEL R. WILLIAMS.

#### DEMONSTRATIONS

*Specimen of a dermoid cyst with teeth, loaned by Dr. H. Moore, Oxford:* STEPHEN R. WILLIAMS.

*Leaf hoppers of Hawaiian Islands:* HERBERT OSBORN.

*One-eyed frog (Acris gryllus):* F. H. KRECKER. *Laboratory table tray:* F. H. KRECKER and W. J. KOSTER.

*Colony forms in marine Bryozoa:* RAYMOND C. OSBURN.

*Exhibit of Greenfield (Ohio) Dolomite fossils:* C. W. NAPPER.

*Two new varieties of Acer rubrum:* FRED A. DETMERS.

*A collection of Ohio spiders; a method of exhibiting spiders; nest of folding-door spider:* W. M. BARROWS.

*A vaso-motor balance:* CLYDE BROOKS, CLAYTON MCPEEK, R. J. SEYMOUR.

*Models of embryonic skull of Eumeces:* EDWARD L. RICE.

*Sections of nasal capsule and olfactory nerves of embryonic Eumeces:* EDWARD L. RICE.

*X-chromosomes of Branchipus vernalis:* R. C. BAKER.

*Origin of cartilage from ectoderm in the urodeles:* F. L. LANDACRE.

*Specimens and photographs from the Valley of Ten Thousand Smokes:* ROBERT F. GRIGGS.

EDWARD L. RICE,  
Secretary

DELAWARE, OHIO

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