

question of the origin of platelets; it faces our fundamental modern conceptions of the problems of life. We do not find, as far as I know, in all our knowledge of biology a phenomenon which may be compared to the derivation of platelets from megakaryocytes. In all the history of the human body, we do not find any cellular elements from which parts of protoplasm detach themselves and form another category of elements with a deeply different, well-defined, morphological individuality as in the case of platelets and megakaryocytes."

Obviously a question of this character must eventually be settled by facts rather than by preconceived ideas or opinions. On the basis of the data just elaborated, we appear obliged to recognize the necessity of a modification of our previous conceptions of the nature and origin of the non-nucleated elements of the blood.

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## THE ILLINOIS STATE ACADEMY OF SCIENCE

THE eighteenth annual meeting, held at Springfield, Illinois, February 20 and 21, 1925, was one of the best in the history of the academy. It was well attended, both by members and by citizens of Springfield, and the many and varied papers were much appreciated.

On Friday, February 20, there were three general sessions and two business meetings, and Saturday forenoon the following section meetings were held: biology and agriculture, chemistry and physics, geography and geology, medicine and public health, psychology and education, and a high school section. There were eighty-three papers given in the two-day program.

Saturday noon the academy joined the Mid-Day Club of Springfield for luncheon, at the close of which President Burton, of the University of Chicago, gave an interesting address on "The place of research in modern life." Trips were planned for Saturday afternoon by the local committee to points of interest about Springfield, among them being visits to a coal mine, to Lincoln's Tomb, and to the following laboratories: The State Department of Health, the State Highway Department and St. John's Hospital.

The following officers were elected for the coming year:

*President:* Dr. Stuart Weller, University of Chicago.

*First Vice-president:* Mrs. Eleanor C. Smith, Englewood High School, Chicago.

*Secretary:* Professor C. Frank Phipps, State Teachers College, DeKalb.

*Treasurer:* Dr. W. B. McDougall, University of Illinois.  
*Librarian:* Dr. A. R. Crook, Chief, State Museum, Springfield.

The academy now has 551 members, and there are affiliated with it thirteen independent scientific societies of the state and several high school science clubs.

C. FRANK PHIPPS

*Secretary*

DEKALB, ILLINOIS

## THE OKLAHOMA ACADEMY OF SCIENCE

THE thirteenth annual meeting of the Oklahoma Academy of Science was held in Norman at the University of Oklahoma on February 14, 1925, under the presidency of C. E. Sanborn, of Stillwater. The academy met in three sections. The following papers were presented:

### BIOLOGY SECTION

*The effect of secretin on the secretion of the pancreas, kidney and submaxillary glands:* ALMA J. NEILL and LESTER L. FRITZ.

*The effect of thyroparathyroidectomy on body activities:* HOMER L. BRYANT.

*The action of lobelin upon the circulatory organs:* GERTRUDE NEILSEN.

*Adaptions in caudal musculature:* RUTH HOLZAPFEL.

*Definitive sex cells of the chick:* HAROLD HULPIEU.

*Further notes on the oviposition for Bruchus, and the orientation of the embryo in the egg during development:* ALFRED BRAUER.

*A dipterous parasite of the tomato worm moth—*Protoparce quinque maculatus*:* HAROLD M. HEFLEY, Jr.

*A *Cylindrotaenia* from *Bufo woodhousii*:* VAN A. JOSEPH.

*Notes on the reptiles and amphibians of Okmulgee County, Oklahoma:* EDITH R. FORCE.

*Preliminary list of snakes of Oklahoma:* A. I. ORTENBURGER.

*Ecological succession in the Arbuckle region:* A. F. SHULTZ.

*Distribution of spiders as correlated with environmental factors:* VERA G. SMITH and D. YOUNG.

*The biome as an ecological unit:* A. O. WEESE.

*Oklahoma climographs and biotic regions:* A. O. WEESE.

*The supertidal animal community in the Puget Sound Region:* A. O. WEESE.

*The genetic factors of growth with especial reference to Cucurbit's crosses:* ORVILLE C. SHULTZ.

*Linkage relations:* W. A. CRAFT.

*Notes on the Oklahoma species of *Onthophagus*:* W. J. BROWN.

*Evidence of increase in certain rare species of birds in Oklahoma:* R. O. WHITENTON.

*Some materials used in nest construction by certain birds of the Oklahoma panhandle:* R. C. TATE.