

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.

*Some bird observations in Cleveland County in 1924:*  
MARGARET M. NICE and L. B. NICE.  
*Notes on migratory birds in Oklahoma:* D. W. OHERN.

## CHEMISTRY-PHYSICS SECTION

(This section met in joint session with the Oklahoma Branch of the American Chemical Society. Papers were presented by members of both organizations.)

*The analysis of some proprietary remedies used in the treatment of animal distemper:* GUY Y. WILLIAMS.

*Beet and cane blackstrap molasses as a source of vitamin:* V. G. HELLER.

*Theory and operation of the "Dodge design" rheostat:* H. L. DODGE.

*Chemists in Oklahoma:* O. M. SMITH.

*Extent and applicability of unit coal:* JOE E. MOOSE.

*The measurement of small capacities by the condensers-in-parallel method:* WILLIAM SCHRIEVER.

*On the theory of the photo-electric effect:* J. RUD NIELSON.

*Some interesting Oklahoma minerals:* A. C. SHEAD.

*A theorem on the energy dissipation in branched electric circuits:* J. RUD NIELSON.

*Preliminary report on space charge in electrolytes:* D. E. ROLLER.

*Theory and practice of application of oil to roads:* F. W. PADGETT.

*An inexpensive electric hot plate:* SYLVAN WOOD.

*The trend of radio development:* J. C. KOSITZKY.

*Color tests:* I. H. GODLOVE.

## GEOLOGY SECTION

*A preliminary division of Oklahoma into provinces and districts on the basis of rainfall adequacy:* C. J. BOLLINGER.

*The eastern boundary of the Great Plains in North Central Oklahoma:* C. J. BOLLINGER.

*Some stalactitic forms of Marcasite:* H. C. GEORGE.

*Lateral migration of North Fork of Red River:* A. J. WILLIAMS.

*Preliminary report on the Comanchean of Northwestern Oklahoma:* R. L. CLIFTON.

*The occurrence of Caliche in Oklahoma:* JOHN T. LONSDALE.

*Unsolved geological problems in Oklahoma in 1925:* CHARLES N. GOULD.

*Oklahoma's rank in the United States in the value of new wealth:* CHARLES N. GOULD.

*Geology and oil fields of the Mid-Continent Area:* CHARLES N. GOULD.

*Finding of celestite in Oklahoma:* CHARLES N. GOULD.

*Lichens as weathering agents of limestone:* S. WEIDMAN.

*Some processes in the formation of the stream valleys of Oklahoma:* O. F. EVANS.

*Correlation of Whitehorse sandstone:* R. L. CLIFTON.

## GENERAL SESSION

*A scientific study of cross-word puzzle vocabularies:* M. R. CHANCEY.

*Testing a true-false test:* GEORGE F. MILLER.

*Formulas for scoring mental tests in which the maximum amount of chance is known:* GEORGE F. MILLER.

At the annual dinner the president delivered his address upon "National conservation from a biological standpoint." President J. S. Buchanan, of the University of Oklahoma, Professor F. W. Padgett, president of the Oklahoma Branch of the American Chemical Society, and Dr. Archibald Henderson, of the University of North Carolina, also gave brief addresses. Moving picture reels were exhibited, showing the habits of the sea horse, the salmon industry and the heat treatment of steel.

At its annual business meeting provision was made for a reorganization of the academy, based upon four sections: Biology, geology, chemistry-physics and social sciences. This reorganization involving a reconstituting of the officers and executive council, a committee on constitutional changes was ordered to work out the necessary changes and revisions so that at the meeting to be held at Thanksgiving, 1925, the new plan may be put in full operation.

Resolutions were passed requesting the State Board of Education to adopt, in addition to its present criteria of accrediting high schools, a quality standard by which schools will be graded upon the preparation of the teachers of special subjects.

Thirty-eight new members were elected.

Officers elected for the coming year are: *President*, H. L. Dodge; *vice-presidents*, L. B. Nice and C. N. Gould; *secretary*, A. Richards; *treasurer*, F. G. Brooks; *curator*, J. H. Cloud.

A. RICHARDS

*Secretary*

UNIVERSITY OF OKLAHOMA,  
NORMAN, OKLA.

THE AMERICAN ASSOCIATION FOR  
THE ADVANCEMENT OF SCIENCEREPORT OF THE COMMITTEE ON THE  
PHILOLOGICAL SCIENCES

## GENERAL AIMS

THE chief work of the special committee on Philological Sciences in the Association has been carried on during the past two years in the interest of a closer cooperation between those philologists whose methods and aims are scientific and other groups of scientific workers, in order that the study of language and related subjects may as instrumentalities of culture be better harmonized with our modern scientific ideals and educational methods. The committee has found that a number of the older and more seasoned scholars in the various societies devoted to philological