

Secondary electrons produced by electronic bombardment of metals: D. A. WELLS and O. STUHLMAN, JR.

Liquefaction of gases: J. B. DERIEUX.

A compact form of the McLeod gauge: A. A. DIXON.

THE SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION

Symposium on the work of the investigating committee, Society for the Promotion of Engineering Education: Led by W. E. WICKENDEN.

Reports of the local committee on investigation and discussion of its work: Members of the committee, consisting of G. M. BRAUNE, *Chairman*, A. C. HOWELL, *Secretary*, C. W. EDWARDS, D. C. JACKSON, JR., H. B. SHAW, L. L. VAUGHN.

The teaching of English for engineers: T. P. HARRISON.

The following officers were elected by the academy for the ensuing year:

President: H. B. Arbuckle, Davidson College.

Vice-president: Miss Lulu G. Winston, Meredith College.

Secretary-Treasurer: Bert Cunningham, Trinity College.

Executive Committee: C. H. Heck, J. P. Givler, A. Henderson.

The following officers were elected by the North Carolina section of the American Chemical Society:

President: F. W. Sherwood.

Vice-president: M. L. Hamlin.

Secretary: L. B. Rhodes.

Councilor: J. M. Bell.

The mathematical section of the academy elected as chairman K. B. Patterson.

The North Carolina Physics Teachers Association deferred the election of officers to a later date.

BERT CUNNINGHAM,
Secretary

THE INDIANA ACADEMY OF SCIENCE

THE Indiana Academy of Science held its annual spring meeting at Marengo Cave on May 15 and 16. The largest crowd ever attending such a meeting was present, over one hundred twenty-eight persons being registered. Fortunately, the weather was very favorable for such a meeting.

On Thursday night following brief talks by Dr. W. M. Tucker on "The caves of Indiana" and by Dr. F. Payne on "Cave life," the party went through Marengo Cave.

At this meeting, Dr. C. H. Eigenmann, of Indiana University, was appointed a delegate to the Pan-American Science Conference to be held at Lima, Peru, on November 16. Dr. David A. Rothrock, of the department of mathematics of Indiana University, was appointed a delegate to the International Mathe-

matical Congress, which is to be held at the University of Toronto from August 11 to 16.

A large number of representatives from other states were in attendance at these meetings. These were: Dr. C. H. Kennedy, Dr. E. N. Transeau, H. C. Sampson, Edward S. Thomas, Dr. R. C. Osburn, all of the Ohio State University, Columbus, Ohio; Dr. Carl L. Hubbs, Ann Arbor, Michigan; John C. Koch, White Pigeon, Michigan; Messrs. W. C. Croxton, P. A. Young, W. B. McDougall, J. B. Hawkes, O. Stark, all of the University of Illinois, Urbana, Illinois; Mr. V. T. Jackson, Chicago, Illinois; Mr. and Mrs. W. R. Allen, Lexington, Ky.; Mrs. Charles H. Baker, Kenasha, Wis.; Mr. Arthur A. Scheibenzuber, Mr. and Mrs. Ira T. Wilson, Mr. and Mrs. Claude E. Stout, all of Tiffin, Ohio.

On Friday morning a trip was made *via* auto to Wyandotte Cave. From Wyandotte the gathering divided into certain groups, some going to Corydon, the first capital of Indiana, to see the historical records, the old State Capitol and the old Constitutional elm. Another group, mostly zoologists and geologists, went to Mitchell, Indiana, to visit the caves in that region, particularly Donnelson's, which is owned by Indiana University.

HARRY F. DIETZ,
Press Secretary

THE KENTUCKY ACADEMY OF SCIENCE

THE academy held its eleventh annual meeting at the University of Kentucky, May 10, 1924, President W. R. Jillson presiding. The principal address was by Dr. L. C. Glenn, of Vanderbilt University, on the stratigraphy and structure of the western Kentucky coal field. Dr. Glenn described his work in this field, in connection with the Kentucky Geological Survey, and the conclusions reached.

The following program was rendered:

President's address: Geology of some proposed Kentucky state parks: W. R. JILLSON, state geologist, Frankfort.

Cumberland county oil horizons: LUCIEN BECKNER, Winchester.

Glacial pebbles in eastern Kentucky: W. R. JILLSON, Frankfort.

Geographic influences in the Kentucky knobs: W. G. BURROUGHS, Berea College.

The hydro-electric technical problems in the construction of the Dix River dam and power plant: JOHN S. VAN WINKLE, Danville.

Marine invasions in Pennsylvanian time in Eastern Kentucky. (By title): J. E. HUDNALL, Ky. Geological Survey, Frankfort.

The proportion and significance of iron, copper, manganese and zinc in some mollusks: J. S. MCHARGUE, Ky. Agricultural Experiment Station, Lexington.