

ship of Dr. William Lloyd Evans, of Ohio State University, and the sponsoring by the academy of a series of radio talks by members of the academy on various popular scientific topics, made possible through the courtesy of the broadcasting station WEAO at Ohio State University, Columbus.

The general meetings of the academy were favored with four interesting lectures, one on the evening of the 13th by Professor F. J. Roos, of Ohio University, on "Architecture in Ohio"; two on Friday morning, one by Dr. F. C. Waite, of Western Reserve University, on "The Early History of the Microscope" and the other by Dr. S. Charles Kendeigh, of the Baldwin Bird Research Laboratory and Western Reserve University, on "Toleration of Low and High Temperatures by Birds." The fourth was the presidential address given before an overflowing audience on Friday evening at the annual dinner by President Budington on "The Innocence and Guilt of Science." In addition to these general lectures, some 145 papers were read in the eight sectional meetings held on Friday and Saturday, some by distinguished scientists from outside of the state. The attendance at these sectional meetings was very large, in some instances overtaxing the capacity of the meeting place. The demonstrations and exhibits were unusually interesting and elaborate, notably the exhibit of insects of southeastern Ohio.

The organization of a section of chemistry and the presence of a large number of eminent chemists from the leading universities and colleges of the state added much to the success and importance of the meeting. We also note with pleasure the presence of a large number of members of the Central Ohio Physics Club, Professor G. E. Owen, of Antioch College, president.

The following members of the academy were elected to fellowship in the academy, *viz.*: David Dietz, Rush Elliott, Robert A. Kehoe, Roderick Peattie, and William C. Stehr.

At the final business meeting on Saturday morning, 24 new members were received into the academy, and the election of officers for the coming year resulted as follows:

President, Dr. E. Lucy Braun; *Vice presidents*—*zoology*, Neale F. Howard; *botany*, Orville T. Wilson; *geology*, William A. P. Graham; *medical sciences*, Robert A. Kehoe; *psychology*, Richard S. Uhrbrock; *physics and astronomy*, Ray Lee Edwards; *geography*, Roderick Peattie; *chemistry*, William Lloyd Evans; *Secretary*, William H. Alexander; *Treasurer*, A. E. Waller; *Elective Members Executive Committee*, R. A. Budington and James P. Porter; *Trustee Research Fund*, Alpheus W. Smith; *Publications Committee*, F. O. Grover, J. E. Carman and S. W. Williams; *Library Committee*, F. C. Blake; *Committee on State*

Parks, Edmund Secrest, H. C. Sampson and Emery R. Hayhurst; *Save Outdoor Ohio Council*, Herbert Osborn and E. N. Transeau.

It is worthy of note that this is the first time in the history of the academy that the academy has honored itself by the election of a woman as its president.

W. H. ALEXANDER,
Secretary

THE ILLINOIS STATE ACADEMY OF SCIENCE

THE twenty-sixth annual meeting was held at the Broadview Hotel and Senior High School, East St. Louis, Illinois, on May 5 and 6. The meeting was attended by nearly 700 persons, including about 150 high-school students, members of high-school science clubs affiliated with the junior section of the academy.

General addresses were given by: Harry F. Ferguson, president of the academy and chief sanitary engineer, State Department of Public Health, on "The Future of the Illinois Academy of Science"; Dr. M. B. Visscher, professor of physiology, University of Illinois College of Medicine, on "Medical Science, its Past, Present, and Future"; Dr. Frank J. Jirka, director of the State Department of Public Health, on "Advances in the Science of Public Health"; Dr. Harry R. Hoffman, director, Behavior Clinic of the Criminal Court of Cook County, on "Psychiatry in the Criminal Courts of Cook County."

There were 105 scientific papers on the program in 10 sectional meetings. The program of the agriculture section, arranged by H. W. Mumford, dean of the College of Agriculture, University of Illinois, was a symposium on the subject, "Problems of the Soybean Industry." The economics section, under the direction of W. H. Voskuil, mineral economist, Illinois State Geological Survey, held a symposium on "Problems of the Illinois Coal Industry."

Six field excursions were held on Saturday, May 6: (1) An anthropological trip to the Cahokia Mounds State Park, under the direction of A. R. Kelly, University of Illinois; (2) a botanical trip to the Missouri Botanical Gardens, directed by H. S. Pepon, State Natural History Survey; (3) a chemical trip to the Monsanto Chemical Works, directed by Percy J. Hill, East St. Louis; (4) a geographical trip to study the water factors in the geography of the East St. Louis district, directed by Lewis F. Thomas, Washington University, St. Louis; (5) a geological trip, directed by M. M. Leighton, chief, Illinois State Geological Survey, to study the coal measures and glacial geology of the East St. Louis district, the Dupou anticline and oil field, and the limestone mine on the Valmeyer anticline; and (6) a physics trip to the Cahokia Power Plant.

The following resolution was adopted by the academy:

I. *Whereas*, this Academy has at an earlier meeting adopted resolutions concerning the establishing of National Forest units in the State of Illinois, be it resolved that the academy assembled in Annual Meeting on May 5th, 1933, reaffirm its interest in and active support of a policy looking toward the development of forestry conservation within our state. Be it further reaffirmed that this Academy stands ready to offer its support to both State and Federal Agencies in furthering the establishment of adequate programs of forest conservation.

II. As a body of more than one thousand persons interested in science, the Illinois State Academy of Science takes this opportunity to affirm its interest in and concern for the welfare of all scientific work of the various state agencies. Be it therefore

Resolved, that this body go on record endorsing the past and projected programs of research and studies carried on by the various educational institutions, scientific surveys and other research organizations under state direction. Be it further *Resolved* that the State Legislature be urged to continue to extend adequate financial support to these organizations. Further be it *Resolved* that the Legislative Committee of this Academy be instructed to work for all matters of legislation favoring these agencies and to oppose all untoward legislation threatening the progress of education and of science in the State.

The following were chosen officers for the year 1933-34:

President: B. Smith Hopkins, chemistry, University of Illinois.

First Vice-president: Charles H. Behre, geology, Northwestern University.

Secretary: Harold R. Wanless, geology, University of Illinois.

Treasurer: George D. Fuller, botany, University of Chicago.

Editor: Dorothy E. Rose, State Geological Survey, Urbana.

It was decided to hold the twenty-seventh annual meeting of the academy at Decatur early in May, 1934. Dr. J. H. Ransom, of James Millikin University, will serve as chairman of the committee on local arrangements.

HAROLD R. WANLESS,
Secretary

THE VIRGINIA ACADEMY OF SCIENCE

The Virginia Academy of Science held its eleventh annual meeting at the State Teachers College, Fredericksburg, Virginia, on May 5 and 6, with a registration of 320. In the section of astronomy, mathematics and physics 27 papers were presented; in biology, 37; in chemistry, 17; in geology, 15; in

the medical sciences, 15; and in psychology and education, 12, making a total of 121.

The annual prize of fifty dollars was awarded to S. A. Wingard, of the Virginia Polytechnic Institute, for a paper entitled, "The Production of Rust-Resistant Varieties of Beans by Hybridization," and honorable mention was accorded to a paper by A. N. Vyssotsky and Emma T. A. Williams entitled "Color Indices and Integrated Magnitudes of Fifteen Bright Globular Clusters." These awards carry added significance this year because of the unusually high quality of the papers in competition with them.

The research committee reported that during the year the following grants in aid of scientific research had been made: Jesse W. Beams, physics, University of Virginia, \$150; J. C. Forbes, biochemistry, Medical College of Virginia, \$75; J. M. McGinnis, psychology, Hollins College, \$40; C. C. Speidel, anatomy, University of Virginia, \$100; N. Beverly Tucker, chemistry, Virginia Military Institute, \$50; I. A. Updike, chemistry, Randolph-Macon College, \$75.

A noteworthy item in the year's work is the increase in the number of junior (or student) members, the number having increased from 54 to 115. There were also two papers presented by junior members and two exhibits of their work were shown. One was an array of totally cleared anatomical and zoological specimens and the other was an inexpensive, laboratory-built apparatus for the fixation of atmospheric nitrogen.

Dr. William A. Kepner, of the University of Virginia, was elected president for the coming year, Dr. William T. Sanger, of the Medical College of Virginia, president elect, and Professor D. Maurice Allan, of Hampden-Sydney College, member of the council.

Following the meeting rather extensive field trips were made by the committee on the flora of Virginia and by members of the geology section.

E. C. L. MILLER,
Secretary

THE TENNESSEE ACADEMY OF SCIENCE

The thirty-second meeting of the Tennessee Academy of Science was held at the Reelfoot Lake Biological Station of the academy on April 28 and 29. The feature of the meeting was an address by The Very Reverend I. H. Noe, dean, St. Mary's Episcopal Cathedral, Memphis, in dedication of the John T. McGill Laboratory Building. This building is named in honor of Dr. John T. McGill, professor emeritus of chemistry at Vanderbilt University and secretary-treasurer of the Tennessee Academy of Science. In thus dedicating this building recognition is given to Dr. McGill of his many years of valued work in and for the academy and particularly of his efforts which resulted in the establishment in 1931 by the state of