

# SPRING MEETING OF THE TENNESSEE ACADEMY OF SCIENCE

JOHN T. MCGILL, SECRETARY

The Spring Meeting of the Academy for 1933 was held on Friday and Saturday, April 28-29, at Walnut Log, Reelfoot Lake. Considering the fact that Walnut Log is in the most western corner of the state and not on a railroad or public highway the attendance at the meeting of more than thirty members was gratifying.

The sessions on Friday afternoon and Saturday evening were held in Walnut Log Lodge; the sessions Friday evening and Saturday morning in the biological laboratory. The lobby of the hotel, furnished

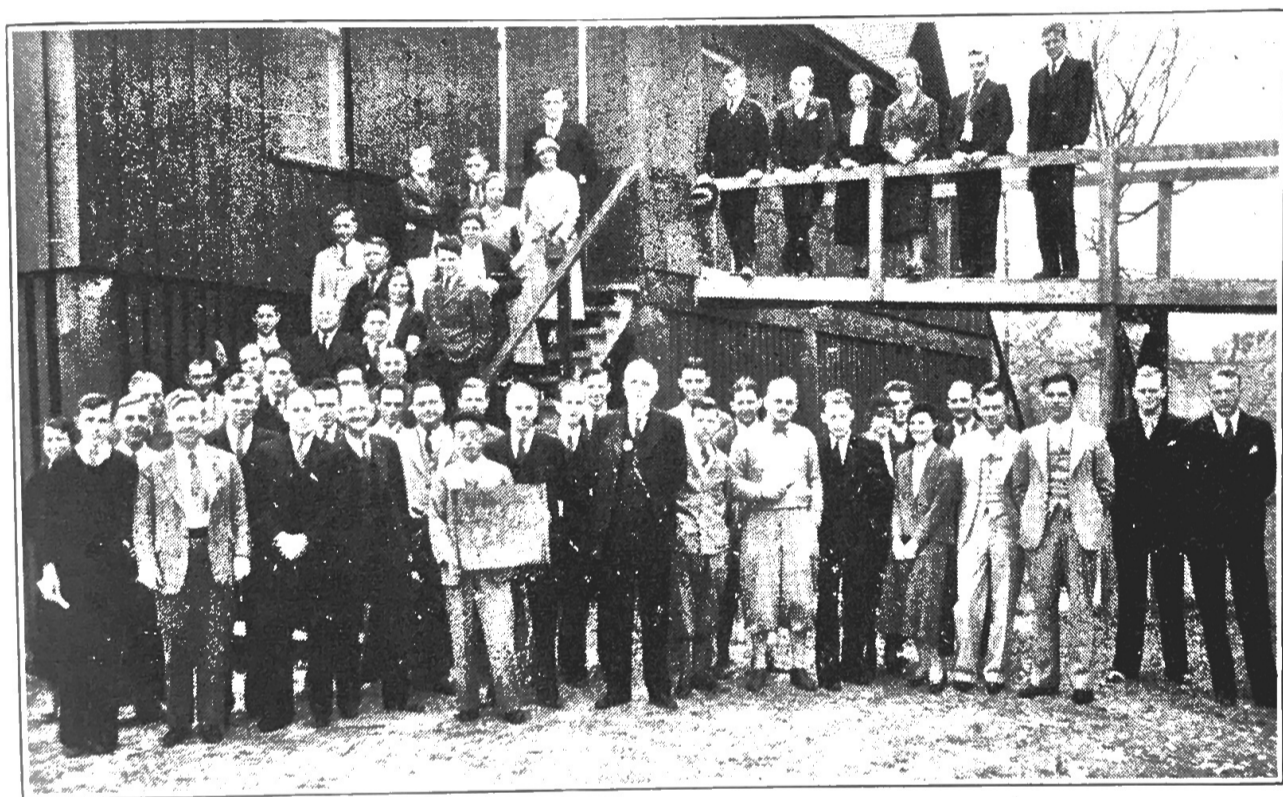


Fig. 1. Members and guests at the dedication of the John T. McGill Laboratory.

with easy chairs and well lighted, made a very comfortable assembly room for sessions of the Academy held there. The laboratory—which painted green appears rather somber in photographs—was found to be quite attractive within and well equipped for the purposes for which it was designed. Dr. Bliss, Chairman of the Executive Committee of the Board of Trustees, and Professors Turner and Baker are to be commended for their efficient promptness in purchasing and installing the additional laboratory equipment after notification of the appropriation made by the General Assembly of 1933.

**PROGRAM****FRIDAY MORNING SESSION***Charles W. Davis, Vice President, Presiding*

- Invocation... The Very Reverend I. H. Noe, Dean St. Mary's Episcopal Cathedral  
 Welcome..... Senator W. W. Craig, Ripley  
 1. How Do Animals Learn? Some Present Problems. (20 min.) Dr. Joseph Peterson, Professor of Psychology, George Peabody College for Teachers, Nashville.  
 2. The Tertiary and Quaternary Deposits of Western Tennessee and Kentucky. (30 min.) Dr. C. W. Wilson, Jr., Assistant Professor of Geology, Vanderbilt University, Nashville.  
 3. The Use of the Microscope in Instructional Work in Chemistry. (15 min.) Dr. J. C. Sims, Professor of Chemistry, Lambuth College, Jackson.  
 4. The Effects of Freezing on the Larvae of *Aedes Aegypti*. (10 min.) Dr. A. Richard Bliss, Jr., Chief, Division of Pharmacology, and Miss Jessie M. Gill, University of Tennessee, Memphis.

**FRIDAY AFTERNOON SESSION***Charles W. Davis, Vice President, Presiding*

5. The Elements of Modern Public Health Administration. (30 min.) Dr. E. L. Bishop, Commissioner of Public Health, State of Tennessee, Nashville.  
 6. Was It the First? (10 min.) Dr. H. A. Webb, Professor of Chemistry, George Peabody College for Teachers, Nashville.  
 7. Childhood Tuberculosis. (20 min.) Dr. Arthur G. Jacobs, Professor of Pediatrics, University of Tennessee, Memphis.  
 8. The Recent Nashville Tornado. (30 min.) Mr. R. M. Williamson, Meteorologist, U. S. Department of Agriculture, Weather Bureau, Nashville.  
 9. Intestinal Protozoa in Man. (20 min.) Dr. John L. Jelks, Sr., Proctologist, Memphis.  
 10. The Golgi-Vacuome Problem of Protozoa. (20 min.) Dr. C. E. Baker, Professor of Biology, Southwestern University, Memphis.

**FRIDAY EVENING****ACADEMY DINNER, WALNUT LOG LODGE**

Dedication of the John T. McGill Laboratory  
 Francis G. Slack, President, Presiding  
 Address and Unveiling of Tablet  
 Dean I. H. Noe

**SATURDAY MORNING SESSION***Francis G. Slack, President, Presiding*

11. Leaf Variations in Wild Morning-glories. (20 min.) Dr. C. E. Moore, Professor of Biology, West Tennessee Teachers College, Memphis.  
 12. Avoiding the Tragedies of Old Age. (20 min.) Dr. Henry B. Gotten, The Polyclinic, Memphis.  
 13. A Study of the Relation of the Organic Content of Soil to Its pH. (20 min.) Prof. J. R. Endsley, Professor of Physics, Freed-Hardeman College, Henderson.  
 14. The Adulterants of Digitalis. (20 min.) Dr. A. John Schwarz, Associate Professor of Botany and Pharmacognosy, University of Tennessee, Memphis.  
 15. The Chemical Composition of the Water of Reelfoot Lake. (20 min.) Prof. Edward Schmidt, Department of Physics and Chemistry, University of Tennessee Junior College, Martin.  
 16. How Chemistry Is Written in Chinese. (20 min.) Mr. Frederick Ma and Dr. H. A. Webb, George Peabody College for Teachers, Nashville.

**SATURDAY AFTERNOON****EXCURSIONS ON THE LAKE AND IN THE WOODS OF REELFOOT LAKE PARK****SATURDAY EVENING SESSION***Francis G. Slack, President, Presiding.*

17. Glands of Internal Secretions. (20 min.) Dr. W. C. Chaney, Assistant Professor of Medicine, University of Tennessee, Memphis.  
 18. Some Notes on the Co-operative Testing Program. (20 min.) Dr. W. R. Atkinson, Professor of Psychology, Southwestern University, Memphis.  
 19. Specific Therapy in Tuberculosis. (25 min.) Dr. R. E. Flack, Department of Medicine, University of Tennessee, Memphis.  
 20. Total Nitrogen Content of Tennessee Dark Fired Tobacco. (15 min.) Prof. A. A. O'Kelly, Chemistry Department, State Teachers College, Murfreesboro.  
 21. The Absorption of Calcium. A Preliminary Report. (15 min.) Dr. A. Richard Bliss, Jr., Chief, Division of Pharmacology, and E. O. Prather, Jr., University of Tennessee, Memphis.  
 22. The Rise of Southern Cities. (30 min.) Dr. A. E. Parkins, Professor of Geography, George Peabody College, Nashville.  
 23. Distribution of Ethnic Types in America. (15 min.) Dr. C. S. Simkins, Associate Professor of Anatomy, University of Tennessee, Memphis.  
 24. Discoveries in the Wickliffe, Ky., Mounds. (15 min.) Mr. Fain W. King, Paducah, Ky.

**EDITORIAL**

PAPERS BY DR. HESLER AND DR. MAGILL

Again the Editor is under obligation to two members of the Tennessee Academy of Science for their financial assistance in the publication of papers in the JOURNAL: To Dr. L. R. Hesler in order to publish his paper out of order and to Dr. A. C. Magill for publishing a longer paper than the JOURNAL can accept without some financial assistance from the author.