

REPORT ON SPRING MEETING OF THE TENNESSEE ACADEMY OF SCIENCE

J. T. MCGILL, *Secretary*

The spring meeting of the Academy for the year 1935 was held on Friday and Saturday, April 26 and 27, at the Reelfoot Lake Biological Station. Arrangements for the meeting were made by a committee of which Dr. A. Richard Bliss, Director, was Chairman. Headquarters were at the Walnut Log Lodge, and the sessions were held in the assembly room of the biological building. Between forty and fifty members attended the meeting—two coming from out-side of the State, Dr. Mary Minerva Steagall, of Carbondale, Illinois, and Mrs. Mary Emily Walker, of Commerce, Texas. Excursions were taken Saturday afternoon on and about the lake. Saturday evening the academy address was delivered by Dr. A. R. Middleton, Professor of Biology, University of Louisville, and Secretary of the Kentucky Academy of Science. Dr. Middleton's subject was "A Summer in Honduras."

President George M. Hall and Vice-President Dr. William Litterer presided at the sessions. The program of papers, many of which were illustrated, included the following:

1. Fireclays in the Pennsylvanian (Coal Measures) of Tennessee. Dr. George I. Whitlatch, Division of Geology, State of Tennessee, Nashville.
2. Certain Conditions of Existence of Fishes, Especially as Concerns Their Internal Environment: A Review. Dr. Edwin B. Powers, Head of the Department of Zoology, University of Tennessee, Knoxville.
3. Some Things of Scientific Interest in West Tennessee. Dr. J. R. Endsley, Professor of Physics, Freed-Hardeman College, Henderson.
4. A Genetic Study of the Wild Morning Glories. Dr. Clarence E. Moore, Professor of Biology, West Tennessee Teachers College, Memphis.
5. Some Possibilities and Discoveries Along the Line of Micro-technique. Dr. Mary Minerva Steagall, Head of the Department of Zoology, Southern Illinois State University, Carbondale, Illinois.
6. The Daybreak Song of the Scissor-tailed Flycatcher. Mrs. Emily Barry Walker, East Texas State Teachers College, Commerce, Texas.
7. A Slightly Improved Diagram for Heliocentric Orbits of the Planets. Dr. Hanor A. Webb, Professor of Chemistry, George Peabody College for Teachers, Nashville.
8. Marine Biological Stations. Dr. C. S. Shoup, Assistant Professor of Biology, Vanderbilt University, Nashville.
9. The Valley of East Tennessee; An Area of Varied Communities. Dr. H. C. Amick, Assistant Professor of Geology and Geography, University of Tennessee, Knoxville.
10. Notes on Sub-surface Stratigraphy of Western Tennessee. Dr. Kendall E. Born, Division of Geology, State of Tennessee, Nashville.

11. The General Survey Courses at Lambuth College: Part I—Physical Science. Dr. J. C. Simms, Professor of Chemistry, Lambuth College, Jackson.
12. The General Survey Courses at Lambuth College: Part II—Biological Science. Dr. A. D. Oxley, Professor of Biology, Lambuth College, Jackson.
13. Beauty Spots of Historic and Scientific Interest in the State of Tennessee. Dr. and Mrs. Carrol Conway Turner, Memphis.
14. The Fish Constituent of the Fare of the Water Birds Occurring on Reelfoot Lake. Mr. Albert Ganier, Editor of *The Migrant*, Tennessee Ornithological Society, Nashville.
15. A New Quantitative Complement Fixation Test for Syphilis. Dr. William A. Litterer and Charles G. Ransom, Litterer Laboratories, Nashville.
16. An Occurrence of Ripple Marked Sandstone in the Knox Dolomite Near Knoxville, Tennessee. Dr. H. C. Amick, Assistant Professor of Geology and Geography, University of Tennessee, Knoxville.
17. Changes in the Dietary Habits of Remote Mountain People Since 1900. Dr. L. R. Wheeler, Professor of Psychology, East Tennessee Teachers College, Johnson City.
18. Some Physical Properties of Heavy Hydrogen and of Heavy Water. Dr. Frances G. Slack, Professor of Physics, Vanderbilt University, Nashville.
19. Atomic Building Units. Dr. Peyton N. Rhodes, Professor of Physics, Southwestern, Memphis.
20. A New Theory of Evolution. Dr. Herbert Sanborn, Professor of Philosophy, Vanderbilt University, Nashville.
21. The Progress of Pediatrics. Dr. Arthur G. Jacobs, The Babies' and Children's Clinic, Memphis.
22. The Effect of High Temperatures on the Length of Life of Certain Species of Mosquitoes. Dr. H. A. Johnson, Malaria Investigation Headquarters, U. S. Public Health Service, Memphis.
23. Dusting *versus* Oiling. Dr. J. A. LePrince, Malaria Investigation Headquarters, U. S. Public Health Service, Memphis.
24. Absorption by the Human Skin. Dr. A. Richard Bliss, Jr., Director, Reelfoot Lake Biological Station, Memphis.