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DOCTOR ISABEL HANSON TIPTON

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1957 President of the Tennessee Academy of Science

A native Georgian, Isabel Hanson Tipton received the Bachelor of Science degree from the University of Georgia in 1929 and the Master of Science degree from the same institution in 1930. She received the degree of Doctor of Philosophy from Duke University in 1934.

After a brief sojourn as instructor in the Physical Sciences and Mathematics at Cox College, College Park, Georgia, she married Samuel Ridley Tipton who was at that time an instructor in the Department of Physiology at The University of Rochester Medical School, Rochester, New York, and who is at present Professor of Zoology at The University of Tennessee. The next ten years she devoted, for the most part, to being a housewife. She is the mother of four children: Jennifer, now a junior at Cornell University, Ithaca, New York; Samuel Ridley, Jr., a junior at Knoxville Central High School; Hiram Gardner, and Joseph Mangham, both of whom attend Fountain City Elementary School.

From 1935 to 1937 she served as tutor in Mathematics at Ohio State University, Columbus, Ohio and in 1943-44 was an instructor in Physics at the University of Alabama, Tuscaloosa, Alabama. From time to time she was a research assistant in her husband's laboratory at Wayne University Medical School, Detroit, and at the Alabama Medical College, Birmingham.

In 1948 she became an instructor in Physics at The University of Tennessee, an acting assistant professor in 1949 and has been an acting associate professor since 1953. She has been a consultant in the Health Physics Division of Oak Ridge National Laboratory since 1950.

Dr. Tipton's early researches were in the field of Raman Spectroscopy. For the past six years she has been engaged in a program of analysis of human tissue by emission spectrography which is being carried out at The University of Tennessee under the auspices of Oak Ridge National Laboratory.

She has been a member of the Tennessee Academy of Science since 1951, serving as Secretary from 1953-1955, and President-elect in 1956. She is a member of the Optical Society of America, the Southeastern Section of the American Physical Society, the Southeastern Association of Spectrographers, Sigma Xi, Phi Beta Kappa, and Phi Kappa Phi.

For some years Dr. Tipton has been an ardent amateur ornithologist and she is an active member of the Knoxville Chapter of the Tennessee Ornithological Society. She gives a number of talks each year before Garden Clubs and other groups interested in bird watching. She is also a frequent speaker before elementary and high school groups on various subjects pertaining to her fields of interest.