

ARTHUR WARD LINDSEY (1894 - 1963)

by Edward G. Voss

"The teacher who gives up all efforts at investigation is not likely to be an inspiration to his students," wrote A. W. Lindsey in 1938 in an article "On Teaching Biology." A better example than Lindsey himself

could hardly have been found to illustrate the positive corollary of that statement: The teacher with a zest for investigation *will* be an inspiration to his students. I write these largely personal words of appreciation as one of those fortunate students — apparently the only one during Lindsey's 39-year teaching career who shared and sustained any of that particular interest of his in the Skippers (Hesperioidea) for which his name is known among the members of our Society.

ARTHUR WARD LINDSEY was born January 11, 1894, in Council Bluffs, Iowa, the son of William Ennis Lindsey and Elizabeth Ellen Agnes Phoebe (Randall) Lindsey. He attended both high school and Morningside College (A.B. 1916; hon. Sc.D. 1946) in Sioux City. It is therefore hardly surprising that his first publication, "The Butterflies of Woodbury County" (1914), should refer to the Sioux City area. This paper, completed when he was an undergraduate, with the aid and encouragement of his Morningside mentor, Thomas Calderwood Stephens, closed with what is in retrospect a statement more surprising: "It was my intention to include the Skippers in this paper but the greater difficulty attending a study of this group, and the limited time which I have been able to give to the work makes it necessary to omit them for the present."

Never again were the Skippers to be neglected! Five years later (1919) he put the finishing touches on his doctoral dissertation at the State University of Iowa: "The Hesperioidea of America North of Mexico" (published in 1921), thus meeting a serious need for literature on this group of insects.

During the "last stages" of his doctoral work, he visited the Barnes Collection of North American Lepidoptera in Decatur, Illinois, and became acquainted not only with Barnes but also with the late J. H. McDunnouch, who had been curator of Dr. Barnes' private collection since 1910. When Dr. McDunnouch left for Ottawa in 1919, Lindsey succeeded him as curator of the Barnes Collection. (According to Gunder [Ent. news 40: 250; 1929], Lindsey was with Barnes from April 2, 1919, to August 19, 1921.) During the nearly two and one-half years which he spent as curator, the work was "largely routine," the major research being a revision of the moth family Pterophoridae, published in Volume IV of the Barnes Contributions (1921). (Although Barnes is listed as co-author, the work was Lindsey's, as pointed out in Mrs. Remington's biography of Barnes, Lepid. news 3: 53-54; 1949.)

Why Lindsey, after so promising a start in professional entomology, turned to a career almost entirely of college teaching, I do not know. In any event, in 1921 he joined the faculty of his *alma mater*, Morningside College, and after a year came as professor and head of zoology to

Denison University, Granville, Ohio, where he remained until his retirement from teaching in 1960. Summers, which as a graduate student he had spent with the Bureau of Entomology, USDA (1916-1918), continued to provide opportunity for non-academic employment, or field work, or in some years for service on the staff of summer stations, as in 1928 (Franz Theodore Stone Laboratory), 1932 (Rocky Mountain Biological Laboratory), and 1940 (Chesapeake Biological Laboratory).

During his first two decades at Denison, he published over a dozen papers on Hesperioidea of North and South America, major contributions including a revision of his dissertation, "The Hesperioidae of North America," (1931) in collaboration with E. L. Bell and R. C. Williams, and "A Preliminary Revision of *Hesperia*" (1942). Subsequent increased responsibilities (including chairmanship of the department of biological sciences from the merger of botany and zoology in 1940 until 1954), additional work during World War II, and an increasing interest in experimental evolution, cut the time available for taxonomic research.

It was the fall of 1945 when, as a high school senior, I first met Dr. LINDSEY on a visit to Denison. (He had earlier, with characteristic generosity, favored me with reprints of many of his lepidopterological papers.) The following year, as a freshman at Denison, I was put to work, as soon as Lindsey returned from a sabbatical semester in Florida, mounting moths. Thus began association with a teacher gifted both in guiding the individual and in classroom presentation. Seldom, if ever, had he previously had the opportunity to instruct an eager Denison student in such techniques, as he had deftly mastered them, as spreading, de-greasing, and making microscope preparations of Lepidoptera. But year after year his classes in evolution, genetics, embryology, and other subjects exposed countless students to his remarkable clarity and precision of expression. Toward the end of a semester of embryology, I discovered that I had taken scarcely two pages of notes; so logical and clear had his exposition been that it seemed as if embryological development could proceed in no other way than he had smoothly described it!

Under the leadership of LINDSEY, Denison attained an enviable reputation for producing exceptionally competent pre-medical students; a recommendation from him almost invariably meant acceptance in medical school. His habits of rigorous scientific thinking and explanation were contagious, and he inspired many with the excitement of research.

<sup>&</sup>lt;sup>1</sup>Copies of the issue containing the latter (Vol.37, Arts.1-2) may be obtained at \$1.00 each postpaid from the Editor, Journal of the Scientific Laboratories, Denison University, Granville, Ohio. The issue devoted to the former (Vol.26, Art.1) is in very limited supply, and its distribution (at \$1.50) is now restricted to libraries.

Numerous senior honors projects of high caliber were produced by his students, although I do not happen to know of any project besides my own ("On the Classification of the Hesperiidae", *Ann. ent. soc. Amer.* 45: 246-258; 1952) on a lepidopterological subject. However, if my experience in working on higher categories in the Skippers was typical (and I have no reason to doubt that it was), he permitted his students a high degree of independence and in no way attempted to impose upon them whatever ideas he may have held. Seemingly, to many, he appeared a bit remote and aloof; yet in fact he was ever approachable and willing to counsel with students.

Certainly most of his students knew him only as an esteemed teacher, an author of textbooks (five altogether, in general zoology, evolution, and genetics), and an adviser. Some knew of his extraordinary garden of daffodils or his taste for the music of BACH. Relatively few were really aware of his international reputation as an authority on the Lepidoptera and his professional attainments. With little or no secretarial assistance or reduction in his teaching load, he served as editor ("Managing Editor") of the distinguished Annals of the Entomological Society of America 1945-1948, succeeding C. H. Kennedy, whom he had aided previously as Assistant Managing Editor. He was Secretary of the Ohio Academy of Science 1941-1945 and President in 1948. One wonders what his future might have been had he continued, in 1921, to devote himself full time to taxonomic research, or had he succumbed later to offers to associate himself with a larger institution. Many are the grateful physicians, teachers, and researchers among Denison alumni whose good fortune it was that A. W. LINDSEY chose to spend his life at a small college in central Ohio, a friend and inspiration to his students. "Nothing relating to man can fail to be biological." Upon this premise, Dr. Lindsey based his teaching and an occasional somewhat philosophical excursion - e. g., his articles on "The Faith of Science" and "The Fallacy of Communism" (1948).

In 1950, he reached the decision to sell to the Carnegie Museum his Hesperia collection and whatever other North American material had accumulated since the disposition of his collection some 20 years before—to the same Museum. This time, he did not accumulate another collection, determining to devote what research opportunity he had to the field of evolution, especially involving Paramecium. A Charter Member of the Lepidopterists' Society (and a member of its original "Board of Specialists"), he finally allowed his membership to lapse. But although he was no longer actively working with Skippers, they never lost their fascination for him. Writing to me in October, 1958, as he approached retirement, he commented at some length on the work of the late Brigadier Evans, and concluded: "Evans, like so many taxonomists, depends too heavily on

genitalia alone. After my experience with *Erynnis afranius* I am convinced that we need more information on early stages to solve some of these problems, but I'm afraid it will be gathered very slowly. If I should some day locate in the southwest I'd like to rear some of the skippers which seem to me to be valid species even though their genitalia are similar. It may be a vain hope, however, for as I approach 65 I realize that time for field work, particularly in the mountains, is running out."

On the morning of March 8, 1963, following a bout with influenza, A. W. Lindsey died of a heart attack on a downtown street in Lancaster, Ohio, where he is survived by his second wife, the former Edith (Tolliver) McMillen (whom he married in 1955), and three stepchildren and their families. He was buried in Lancaster. He is also survived by his former wife, Mrs. Winifred (Wood) Lindsey, whom he married in 1919.

On the numerous occasions I have had during the past dozen years to meet with Denison alumni at various gatherings, it is significant that former biology majors and pre-medical students have invariably asked about Dr. Lindsey — and spoken in grateful terms of the training received at his hand. It is a deserved tribute to a great soul when his former students so universally remember him with such appreciation and affection.

The books, chapters in books, articles, notes, and reviews here listed all bear Lindsey's name (or initials) as author. In addition, without any attribution of authorship of specific articles, he served as one of the Contributing Editors for the first, second, and third editions (1938, 1947, 1958) of *Van Nostrand's Scientific Encyclopedia*.

I am grateful to Dean Parker E. Lichtenstein and librarians Miss Lois Engleman and Mrs. Walter Secor, of Denison University, for their aid in adding several titles to the bibliography and in locating for me a few publications which were not available in the University of Michigan libraries for verification of citations. I only hope that not too many titles have been overlooked in the following compilation.

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