

quietly passed away. He is survived by his wife, two sons, two daughters, and five grandchildren.

At the time of his death Dr. Hay was a fellow of the American Association for the Advancement of Science, The Geographical Society of America, The American Geological Society and the Indiana Academy of Science. He was a member of the American Anthropological Association, American Society of Mammalogists, Paleontological Society of America, The Biological Society of Washington, and the Washington Academy of Sciences.

A complete bibliography of Dr. Hay's writings would extend this article far beyond the space that can be given to it. His most important papers and all his books have already been mentioned and in them will be found lists of his other contributions.

W. P. HAY

DAVID ALLEN OWEN

WORTHINGTON, INDIANA.

December 11, 1852.

FRANKLIN, INDIANA.

October 27, 1930

David Allen Owen was born on a farm near Worthington, Indiana, December 11, 1852, a son of Wilson and Lucinda Owen. He attended the rural school of that vicinity as a boy, and at the age of 18 went to a high school at Point Commerce. After two terms of high school work he secured a teacher's license and taught his first school at Bloomfield, Indiana. These experiences aroused his interest in education and through the influence of friends he enrolled in Franklin College at Franklin, Indiana, from which he was graduated in 1878. The following year he was principal of the High School at Salem, Indiana, and from this position was elected to the faculty of Franklin College, as a teacher of Science, which he held until 1909, when, on account of failing health, he retired under the Carnegie Foundation.

In 1881 he completed the required work and was granted a Master's degree by Franklin College, and on the 50th anniversary of his graduation his Alma Mater gave him an honorary degree of Doctor of Science. In addition to his regular college duties he served a term (1881-2) as Superintendent of Schools of Johnson County, and since 1882 he was U. S. Weather Observer for Johnson County. He did graduate work at the University of Chicago and Woods Hole, Mass. He was a member of the Baptist Church of Franklin, a charter member of the Indiana Academy of Science, and a member of the Phi Delta Theta Fraternity.

In 1880 he married Miss Nettie Paynter of Salem, who survives. An only son, Asa Gray Owen, died in his early boyhood.

Professor Owen's thirty years' service to Franklin College might well be called a heroic adventure in the teaching of science. He was undaunted by meagerness of salary and equipment and the vastness of the field to which he had to introduce his students. He had rare skill in improvising and using simple apparatus that made his laboratory a favorite workshop for students and has developed into the present commodious biological plant. Nor did he allow his own department to absorb all of his enthusiasm. He was constantly on the alert for the general interests of the whole College, and the buildings and grounds show many evidences of his thoughtful planning and care. He was a fine example of a man of deep active Christian convictions who is an enthusiastic scientist. To him every discovery and

advancement in science enlarged the boundaries of his faith and multiplied the means of its realization. Who can estimate how much this has meant in the lives of his students? He died at his Franklin home October 27, 1930, after an acute illness of several months.

MELVIN E. CROWELL.

BROTHER ALPHONSUS, C.S.C. (PAUL SWEET)

WASHINGTON, D. C.

April 10, 1872.

SOUTH BEND, INDIANA.

June 14, 1930.

Brother Alphonsus, C.S.C., known to the work as Paul Sweet, was born at Washington, D. C., on April 10, 1872. After completing the courses in the elementary grades of his native city he entered the preparatory school of the University of Notre Dame where he pursued his high school subjects and later took up college work in literature and science. On September 1, 1888, he became a Brother of Holy Cross.

From that date until the spring of 1928 Brother Alphonsus acted almost uninterruptedly in the capacity of prefect in Brownson Hall at Notre Dame. He became interested in birds about the year 1900 and what at first seemed but an engaging hobby gradually developed into an absorbing passion. Many an hour found him about the lakes at the University or along the St. Joseph river with field glass in hand for observations of his little friends in feathers. Records of these observations he carefully tabulated and preserved, and from time to time articles from his pen appeared in the *American Midland Naturalist*, a magazine devoted to natural history, and edited by Doctor Julius A Nieuwland, C. S. C., of the University of Notre Dame. On various occasions he addressed the members of the Audubon Society of the state of Indiana.

In April of the year 1928, Brother Alphonsus was taken ill and was compelled to retire from active life. He died June 14, 1930. Surviving him are his mother and brother living in Los Angeles, California. Bibliography: Articles on his favorite subject, the birds, appear as follows in the *American Midland Naturalist*: Vol. I. Tentative List of the Birds of St. Joseph County and Vicinity, pp. 21, 161. Migration of Birds in St. Joseph County, Indiana, pp. 47, 69, 97, 159, 186, 218, 265. Migration of Birds in Van Buren County, Michigan, pp. 123. Vol. II. Our Winter Birds, pp. 25, 149, 260. Our Song Birds, pp. 27, 67, 95, 165, 195. Our Birds in March and April, p. 54. Migration of Birds, p. 167. Bathing Habits of Our Birds, p. 193. Our Non-Musical Birds, p. 196. Migration of Our Birds in the Autumn of 1911, p. 262. Migration of Our Birds in Spring of 1912, p. 303. Vol. III. Daily Observation of Our Local Birds, p. 23. Song Season of Our Birds in 1912, p. 48. Our Birds in the Spring of 1912, p. 50. Nesting Habits of Our Birds, p. 60. Nesting Habits of Our Birds, p. 65. Our Birds in the Summer of 1912, p. 70. Migration of Birds in the Autumn of 1912, p. 125. Our Birds in the Winter of 1912-1913, p. 158. Comparative Migration of Our Birds in Spring, p. 161. Our Birds in the Spring of 1913, p. 201. Our Birds in the Autumn of 1912, p. 243. Our Birds in the Summer of 1913, p. 248. Migration of Our Birds in the Spring of 1913, p. 271. Our Birds in the Autumn of 1913, p. 305. Migration of our Birds in the Autumn of 1913, p. 327. Comparative Migration of Our Birds in Autumn, p. 355. Vol. IV: Distribution of Birds in Spring, p. 15; Spring 1914, p. 487; Winter, p. 29; Winter 1914, p. 165; Winter 1914, 1915,