

OBITUARY

CASWELL GRAVE

January 24, 1870—January 8, 1944

CASWELL GRAVE was born and raised on a farm near Monrovia, Indiana. His parents were industrious and prosperous members in good standing of the Society of Friends, to which nearly every one in the community belonged. He was therefore from childhood surrounded by wholesome religious and social influences. He carried his full share of the responsibilities and often arduous duties of life on a farm until he graduated from Earlham College and entered the Johns Hopkins University in 1895, where he soon came under the influence of the eminent philosophical zoologist, W. K. Brooks. He remained in this institution as student, teacher and investigator until 1919, when he was called to Washington University, St. Louis, as professor of zoology and head of the department. He held this position until he retired in 1939 and moved to his new home in Winter Park, Fla.

Soon after graduating from the Johns Hopkins University with the Ph.D. degree he began investigations during the long summer vacations in the laboratory of the U. S. Commission of Fish and Fisheries, first at Woods Hole, Mass., and later at Beaufort, N. C., where he was director of the laboratory for four seasons (1902-6). Here he became interested in the biology and the culture of the oyster, and later, after having devoted nearly his entire time to this subject for six years (1906-12) as shellfish commissioner of Maryland, he was widely recognized as the foremost expert on the subject in this country.

His investigations were extraordinarily ingenious, thorough and comprehensive and his writings rich in thoroughly substantiated, wise counsel concerning especially the oyster industry; counsel which although unfortunately frequently disregarded, has nevertheless been of great practical value.

Dr. Grave was for many years closely associated with the Marine Biological Laboratory at Woods Hole, Mass., as student, instructor, investigator and trustee (1901-44). Here and in the Carnegie Laboratory at the Dry Tortugas, Fla., he devoted much time to a comprehensive series of wisely planned and meticulously executed studies concerning the structure, development and interrelationship of ascidians. These studies were still in progress at the time of his death. The results obtained are profound in significance, especially those concerning the factors involved in the metamorphosis of the tadpoles.

In his extensive experience as a teacher and an executive Dr. Grave was eminently successful. He was always clear, precise, sympathetic, sincere and above

all absolutely honest. The climax of his life's work in these fields was reached in Washington University, where in some ten years he built up a department from almost nothing to one of the foremost in the country, in research as well as in teaching.

For more than thirty years Caswell Grave was one of my most intimate associates. He was ever most generous in collaboration and very helpful and encouraging in criticism; wise in counsel and congenial in social intercourse, a true and trusted friend.

S. O. MAST

JOHNS HOPKINS UNIVERSITY

RECENT DEATHS

DR. LEO HENDRIK BAEKELAND, honorary professor of chemical engineering of Columbia University, inventor of bakelite, died on February 23. He was eighty years old.

DR. EDWARD OSCAR ULRICH, geologist and paleontologist, died on February 22 at the age of eighty-seven years. Dr. Ulrich was a member of the U. S. Geological Survey from 1897 until his retirement in 1932. Since then he has continued his work at the U. S. National Museum, of which he had been an associate since 1914.

DR. DOUGLAS WILSON JOHNSON, Newberry professor of geology and chairman of the department of geology of Columbia University, died on February 24. He was sixty-five years old.

DR. FREDERICK GARDNER CLAPP, consulting geologist and petroleum engineer of New York City, died on February 18. He was sixty-four years old.

ELTON DAVID WALKER, professor emeritus of civil engineering at Pennsylvania State College, died on February 24 at the age of seventy-four years. He had been affiliated with the college since 1900, serving as head of the department of civil engineering from 1907 until his retirement in 1939.

DR. ROY E. DICKERSON, petroleum specialist for the technical branch of the Foreign Economic Administration, died on February 24 in his sixty-seventh year.

MILLER REESE HUTCHISON, of the Hutchison Laboratory, New York City, engineer and inventor, died on February 16 at the age of sixty-seven years.

DR. LEE WALLACE DEAN, professor emeritus of otolaryngology of the School of Medicine of Washington University, St. Louis, died on February 8. He was seventy-one years old.

DR. CHARLES W. BURR, professor emeritus of mental diseases at the School of Medicine of the Univer-