

SCIENCE

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JOHN DUER IRVING

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JUST at the close of last July, not only personal friends, but geologists in general in America were shocked and grieved to learn of the death of Captain John Duer Irving of the 11th U. S. Engineers, professor of economic geology in the Sheffield Scientific School of Yale University, on leave. Alike as active and productive geologist, as successful and devoted teacher, and as managing editor of the magazine *Economic Geology* from its beginning in 1905, Professor Irving was known and esteemed by a very wide circle. He was born August 18, 1874, in Madison, Wis., where his father Roland Duer Irving was professor of geology in the State University, and was just starting his fruitful investigations in Lake Superior geology. John, the son, lived in Madison until his father's all too early death in 1888. Mrs. Irving removed to the east and John was prepared for Columbia College, which he entered in 1892, representing the fourth generation of his family in the direct line, to be registered on the college rolls. He graduated in 1896 and took his doctor's degree in 1899.

Beginning in the vacation following his junior year, he had field experience each summer, and worked successively in the Uinta Mountains of Utah; the Adirondacks in New York; the San Juan region of Colorado; and in the Black Hills of South Dakota. Partly from the example of his father and partly from the writer's influence, economic geology became the branch which he specially followed. On taking his Ph.D. Dr. Irving joined the U. S. Geological Survey, and was assigned to a party in the Black Hills, and in time under the oversight of S. F. Emmons completed the professional paper on the ore deposits of the northern hills. His association led to his becoming in later years Dr. Emmons' closest associate in the revision of the famous Lead-