

BIOGRAPHICAL SKETCHES OF DECEASED MEMBERS

JAMES EDWIN HAWLEY

James Edwin Hawley, Emeritus Professor of Geological Sciences at Queen's University, was born in Kingston in 1897 and educated at Queen's University, where he obtained his B.A. in 1918 and his M.A. in 1920. He received his Ph.D. from the University of Wisconsin in 1926 and remained there as an assistant professor of geology until 1929. That year he joined the teaching staff at Queen's as professor and head of the department of mineralogy. In 1950, when the departments of mineralogy and geology were combined, Dr. Hawley became head of the new department of geological sciences and Miller Memorial Research Professor. In 1962 he retired as head of the department but retained his connection with the work of the department until 1964. After 1962 he spent a good portion of each winter in Tucson, Arizona, where he passed away suddenly on April 20th, 1965, as he was preparing to return to Kingston for the summer.

At Queen's University his work was devoted to the application of laboratory research to the study of geological problems but always in conjunction with field observations and microscopic observations of actual ores and rocks. As a result of this interest in research he was a member of the Queen's University Committee on Scientific Research and chairman for seven years. He was also partly responsible for the establishment in 1950 of the National Advisory Committee on Research in the Geological Sciences attached to the Geological Survey of Canada.

He was author of more than 65 scientific papers. His most important work, *The Sudbury ores; their mineralogy and origin*, published in 1962, was the culmination of more than 20 years of study, assisted by a number of graduate students. His last paper on the Sudbury work, "Upside-down zoning at Frood, Sudbury, Ontario", completed in June, 1964, did not appear in print until after his death (*Economic Geology*, vol. 60. p. 529-575, 1965).

Dr. Hawley was awarded the Barlow Memorial Prize in 1933 by the Canadian Institute of Mining and Metallurgy for his paper, "The Siscoe metal deposit". In 1951 he received the Willet G. Miller medal in geology from the Royal Society of Canada and in 1964 he was the recipient of the first Logan medal given by the Geological Association of Canada for

outstanding service to the geological profession. In 1963 the Mineralogical Association of Canada dedicated a special number of the *Canadian Mineralogist* to Dr. Hawley on the occasion of his retirement.

He was a Fellow of the Royal Society of Canada, serving as President of Section IV in 1955–56, the Geological Society of America, the Mineralogical Society of America and the Geological Association of Canada, serving on the executive committee of the latter in 1956–59. He was a member of the Society of Economic Geologists, the Canadian Institute of Mining and Metallurgy and the Mineralogical Association of Canada. He acted as an associate editor of the *Journal of Economic Geology* and as a member of the Honorary Advisory Board of the *Journal of Petrology*.

An inspiring but demanding teacher, he encouraged his students to "leave no stone unturned" in their efforts to find the true answer to their particular geological problem, nor did he spare himself in helping them to achieve this goal. The efficacy of his teaching and direction is evidenced by the large number of his former students now holding responsible positions in teaching, in industry and in government, across Canada and in other parts of the world.

L. G. BERRY

JAMES BUCKLAND MAWDSLEY

James Buckland Mawdsley died suddenly on December 3, 1964, while visiting in Edmonton. His death came as a shock to his friends and colleagues who had come to accept his energetic, enthusiastic, and cheerful presence as one of the enduring parts of their environment.

Jim was born in Italy in 1894. His family moved to Canada in 1904 and he received his public and high school education at Gainsborough, Estevan, and Regina, Saskatchewan. He entered McGill University in 1913 and, after an interruption during which he served with the Princess Patricia Light Infantry and the Royal Flying Corps in France, he graduated from McGill with a B.Sc. in mining engineering in 1921. He continued his studies at Princeton University and was awarded a Ph.D. in geology in 1924.

On graduation from Princeton, Jim joined the Geological Survey of Canada and spent the next five years investigating the regional geology of a number of areas in northwestern Quebec. In 1929 he accepted an appointment at the University of Saskatchewan where he was professor and head of the Department of Geology until 1961 when he was appointed Dean of Engineering. He retired as dean in 1963 but as

Director of the Institute for Northern Studies he remained an active member of the university until his untimely death.

Many geologists will remember James B. Mawdsley as the author of some fifty reports and papers, as past president of the Geological Association of Canada, as past president of the Canadian Institute of Mining and Metallurgy, and as a recipient of the Institute's Barlow Medal. Those who were fortunate enough to be one of his colleagues or one of his many students or friends will remember him also as an enthusiastic teacher and a sincere and kind person.

L. C. COLEMAN