Strathmore R. B. Cooke, formerly professor of mineral processing and metallurgy and professor emeritus in geology, geophysics, and astronomy at the University of Minnesota, passed away at the age of 78 on June 13, 1985.

Dr. Cooke received his B.Sc. in chemistry and his B.E. in metallurgical engineering from the University of New Zealand in 1928 and 1929, respectively, as a New Zealand government scholar. He earned his M.S. in metallurgical engineering from the University of Missouri at Rolla in 1930. After spending a year in metallurgical research at the Carnegie Institute of Technology, he returned to the University of Missouri and received his Ph.D. degree in 1933.

From 1933 to 1936, Dr. Cooke was a research metallurgist at the University of Missouri and served as assistant professor of metallurgy until 1939. He became a Fellow of the Mineralogical Society of America in 1936. In 1939, he was appointed research professor of mineral dressing at Montana College of Mineral Science and Technology and in 1946 assumed a professorship of metallurgical engineering at the University of Minnesota. In 1970, he became a professor of geology and geophysics, which he taught until retirement in 1974. He also taught courses for many years as professor of astronomy.

In 1967, Dr. Cooke became associated with the University of Minnesota Messenia expedition to examine and analyze metallurgical, lithological, and earth samples excavated from a Bronze Age site in southwestern Peloponnesse, an investigation that he continued after his retirement.

Dr. Cooke was a dedicated teacher and a consummate scientist. He was a true renaissance scholar with interests extending from mineral processing, metallurgy, and geology to astronomy, botany, and archaeology. He had a number of publications in each of these fields. His contributions to the minerals industry led to commercial flotation of potash, nonmetallic, and iron ores and to pioneering research on the mechanism of heat hardening in iron ore pellets. The AIME recognized his contributions with the Distinguished Member Award in 1978 and the Robert H. Richards Award in 1979.

SELECTED BIBLIOGRAPHY OF S.R.B. COOKE


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