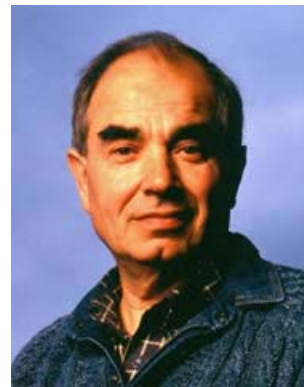


Biographical Sketches of the Board of Advisors

Anthony J. Naldrett

Anthony J. Naldrett (Tony) was born in England and received his degree in geology from the University of Cambridge in 1957. The same summer he emigrated to Canada, and worked for several years as a geologist for Falconbridge Nickel Mines Ltd. in Sudbury. In 1959 he left full time employment with Falconbridge to attend Queen's University, to conduct research on Ni deposits, receiving his M.Sc. in 1961 and Ph.D. in 1964. After 3 years in Washington at the Geophysical Laboratory, he returned to Canada as Assistant Professor at the University of Toronto in 1967. He retired from the University of Toronto in 1998 and is now Emeritus University Professor. In addition, he received D.Sc. (honoris causa) awards from both Laurentian University and University of Pretoria in 2000 and 2001, respectively. Tony and his students/research associates at the University of Toronto have worked on the geology, mineralogy and chemistry of magmatic sulfide deposits and related rocks. He has authored, or co-authored along with his students and colleagues, 240 refereed publications, plus the writing or editing of 8 books. Tony is the world's foremost authority on the geology and origin of nickel-copper-platinum group element deposits, the tectonic setting in which they occur, the petrology of associated rocks, and controls on their composition (reaction between sulfide and silicate melts; fractional crystallization of sulfide melts; the role of hydrothermal fluids). Tony's research has covered most of the world's magmatic sulfide ores, including those at Sudbury, the Abitibi Belt, Voisey's Bay, the West Australian Komatiite deposits, the Zimbabwe Ni deposits, deposits of the Raglan and Thompson Nickel belts, Noril'sk, Pechenga, Jinchuan, the Duluth Complex, the Bushveld and Stillwater complexes, the Great Dyke, and at Lac des Iles. He has also taken an interest in chemical processes related to magmatic sulfides, including work on the Fe-S-O and Fe-Ni-S systems, sulfur solubility in silicate melts, the activities of divalent cations in mafic melts, partitioning of Ni, Cu, Co and PGE between sulfide and silicate melts and between monosulfide solid-solutions and sulfide melts.



In addition to his research, he has served as consultant to many companies including Chevron, Falconbridge Ltd., MRDI, Western Mining Corporation, BHP-Billiton, Rio Tinto, Diamond Fields Resources, Cominco-American, Kennecott, MRDI, Donner Minerals, and Anzex Resources Ltd.

Apart from academic studies, Tony has played a role in several scientific societies, becoming President of the Mineralogical Association of Canada (1982-83), the Society of Economic Geologists (1991-92), the International Mineralogical Association (1998-2002), the Geological Society of America (2001-2002) and Chairman of the Board of the International Geological Correlation Programme. His honors include appointment as University Professor of the University of Toronto (1984), election to Fellowship in the Royal Society of Canada in 1984, Honorary Life Fellowships in the European Union of Geosciences (1983), Russian Mineralogical Society (1999) and Mineralogical Society (2002), the Barlow Gold Medal of the Canadian Institute for Mining and Metallurgy (1974), the Bownocker Gold Medal of Ohio State University (1986), the Duncan Derry (1980) and Logan Medals (1994) of the Geological Association of Canada, the Society (1982) and Penrose Gold (2002) Medals of the Society of Economic Geologists, and the Past-Presidents' Medal of the Mineralogical Association of Canada (1991).