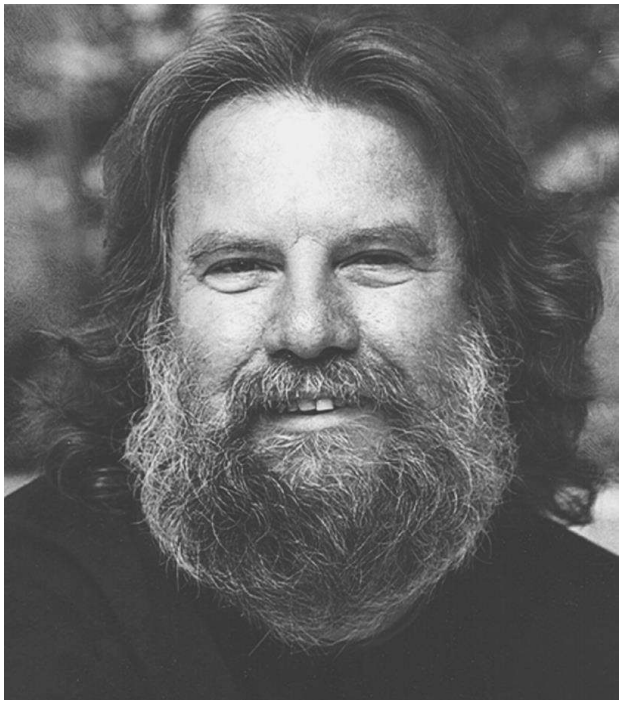
Obituary: Prof. S. George Pemberton, Ph.D., P.Geol., F.R.S.C.



On August 4, 2018, the geological community mourned the passing of Prof. Stuart George Pemberton. Professor Pemberton was most well-known for his remarkable contributions in ichnology that brought Canada to host the world-leading ichnological community. He received a BSc (Honours) in Geology at Queen's University in Kingston, Ontario (1972) and a MSc (1976) and Ph.D. (1979) in Geology at McMaster University in Hamilton, Ontario.

Professor Pemberton's scientific accomplishments peaked during his career at the University of Alberta, Canada, where he started as an Associate Professor in 1984 and later advanced to Professor in 1987. He had since mentored countless students and industry trainees in Canada and other 30 countries around the globe, from Algeria to Venezuela. Until today, his famous trace fossils atlas has been widely used by researchers in core facilities across the world.

Among Professor Pemberton's most notable achievements were introducing ichnological analyses from 2-D views in cores, integrating ichnofossils and facies models, characterizing omission suites and substrate-dependent ichnofacies for the interpretation of sequence stratigraphic surfaces in cores, recognizing the impacts of ichnofossils to the reservoir porosity and permeability distribution, expanding and characterizing the ichnofacies concept, and developing the brackish water ichnological model, which all emerged in Alberta, Canada.

His legacy also includes the journal Ichnos – an international journal of the International Ichnological Association published by Taylor and Francis – that was co-founded with Dr. Robert W. Frey. His undisputed expertise had led to numerous national to international awards; several of them being Geological Association of Canada's Logan Medal (GAC's highest honour) in 2013 and Society for Sedimentary Geology's Twenhofel Medal (SEPM's highest honour) for his contributions to sedimentary geology that is to be awarded in 2019.

Contributions to Indonesia

In Indonesia, Professor Pemberton had collaborative works with Arco Indonesia and Talisman Indonesia in the '90s. He produced several in-house publications on the Wiriagar Deep Field cores in Irian Jaya and co-authored several other publications on the Upper Cibulakan Formation and the Talang Akar Formation in offshore NW Java as well as the Paciran members in offshore Bali. Professor Pemberton also evaluated cores from Abadi Field, in Masela PSC. Possibly there are more unpublished report he prepared related to cores from Indonesia. Until his latest periods of teaching at the University of Alberta, these works were still featured in his teaching materials, along with his stories on Indonesian socio- and geopolitical events that he still memorized and eagerly shared to his students of various nationalities.

Prof. Pemberton is very excited when Berita Sedimentologi editors invited him to submit a paper. In 2003 he contributed a paper in Berita Sedimentologi #18, titled "The use of trace fossils in delineating and interpreting stratigraphic discontinuities. James A. MacEachern and Murray K. Gingras are the co-authors of this paper. Since then FOSI tied a very good network with him.

The above photo and excerpt were edited by Nabilah Adani from original excerpts published by Society for Sedimentary Geology (source: here), Canadian Society of Petroleum Geologists, and Earth and Atmospheric Sciences Department of the University of Alberta (source: here), written by Murray K. Gingras, James A. MacEachern, and Michael J. Ranger.