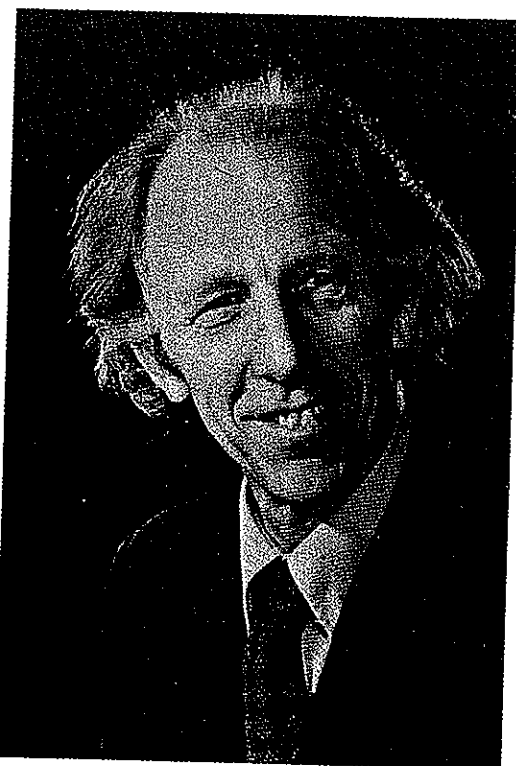


REPORT OF THE BIOGRAPHY COMMITTEE

Tom retired from the Corporation in 1971, but ill health forced him to curtail his activities to the extent that he retired as Ontario Land Surveyor on October 2, 1974.

He passed away on December 21, 1974 leaving his wife Marjorie and daughter, Mrs. Joyce Walton.



HANS KLINKENBERG, O.L.S., D.L.S., D.T.S.
(11 January 1922–22 December 1974)

by W. D. Stretton

Hans Klinkenberg had a zest for life found in all too few, singing and whistling heralded his coming, and he was greeted by smiles wherever he travelled. Typically, he was leading Christmas carols on Sunday morning, December 22nd, 1974, when he died suddenly of a heart attack, joyful to the end.

A man of great and varied ability, Hans ably and cheerfully served the surveying community of Canada, as a land surveyor, geodesist, mathematician, foreign advisor and professor. At the time of his death he was Professor of Survey Sciences at Erindale College, of the University of Toronto.

ASSOCIATION OF ONTARIO LAND SURVEYORS

Hans was born in Amsterdam on January 11, 1922, son of Willem Klinkenberg and Frederika (nee Loos). He attended public and high schools in Amsterdam, and graduated from the Technical University at Delft in 1947 with the degree of Civiel Landmeter (Land Surveyor). He had several field survey jobs while attending university, was assistant to Professor Tienstre of the Technical University, and after graduation was employed by the Dutch Cadastral Survey.

In July 1948, he emigrated to Canada with his wife of one year, Anna-Marie (nee van Dijken), and their two-month old son Peter. He worked for two years in Brockville, where he was employed by and apprenticed by Raymond F. Mucklestone, Ontario Land Surveyor. In 1950, he joined the Legal Surveys Division of the federal Department of Mines and Technical Surveys, and was commissioned as a Dominion Land Surveyor in 1951, and in May of the same year qualified as an Ontario Land Surveyor (No. 761). He was a member of the Association of Ontario Land Surveyors until 1962.

In 1953, Hans transferred to the Geodetic Survey of Canada, where he rose rapidly. In 1954 he earned his Dominion Topographical Surveyor's Certificate, becoming the 30th person to join that exclusive fraternity. For five years he worked on first-order triangulation surveys in western Ontario, supervising major survey parties which sometimes included thirty men and four aircraft, usually based (with Hans' genius for organization) on a lake with sandy beaches and a good stock of fish. In 1957, he became chief of the Adjustment Section, and a member of the Board of Examiners for Dominion Land Surveyors. He became deeply involved in the well-known GROOM program, a big step forward in Canadian computations, and the basis for the currently used GALS program. He was the author of a number of papers on surveying subjects. One of the earliest, "Plane Coordinates and the Three Point Problem" won him the Spartan Award for the best paper in *The Canadian Surveyor* in 1955. In 1965, he was appointed Assistant Dominion Geodesist.

In 1966, he worked as a geodetic expert with the United Nations in Riyadh, Saudi Arabia, being accompanied on this expedition by Anna-Marie and three of their four children. Upon his return to Canada, he became Chief of Computations and Research in the reorganized and larger Geodetic Survey Division.

He was Chairman of the Ottawa Branch of the Canadian Institute of Surveying in its early years, and was a Councillor in the Institute from 1961 to 1964. He became a Councillor for a second term in 1967, second vice president in 1968, first vice president in 1969, and president in 1970. In this latter office, he visited provincial land survey associations from coast to coast, being a welcome guest, with erudite speeches, and a bubbling sense of fun, which made him the life of many an ice-breaker party.

In 1971 he was appointed Chairman of Commission II on Professional Education of the Fédération Internationale des Géomètres (FIG). In that

REPORT OF THE BIOGRAPHY COMMITTEE

year also he became assistant to the Director of Map Production, Surveys and Mapping Branch, and played a prominent role in organizing the 1972 Conference of the International Cartographic Association. In 1972 he was President of the Ottawa Branch of the Royal Astronomical Society, and became Chairman of the International Section of the Land Surveys Committee of the Canadian Institute of Surveying.

Hans loved teaching, and from 1962 to 1965 was a lecturer in surveying at Carleton University extension courses. His broad knowledge of surveying and geodesy prompted the academic community to seek his full-time services. In the Fall of 1972, he accepted the Chair of the Faculty of Geodesy at Laval University for a two-year term, and in the Fall of 1974 he accepted a teaching post in the newly-formed faculty of Erindale College, University of Toronto. In these positions, his infectious enthusiasm and concern for people and community were invaluable.

Hans interests were not limited to the surveying profession. He took a lively interest in his growing family, his wife Anna-Marie, their daughter Jennifer, and their sons Peter, Richard and Brian. Community activities included a year as president of his local home and school association. His singing career always had a prominent place, he had lead roles in several amateur productions of Gilbert and Sullivan operettas, was bass soloist at the historic St. Andrews Presbyterian Church in Ottawa from 1957 to 1966, he had a leading part in Ottawa Branch musical skits at C.I.S. annual meetings, and was active in Erindale College Choir, singing as a soloist at the group hymn fest at St. Peter's Church in Toronto on December 15th. He also made other public singing performances, and once appeared on the C.B.C. In all of these roles, he had a grand time, and provided fun for everyone about him.

Hans enriched the lives of all who came in contact with him. His friends and professional associates, and more particularly his wife and four children and one young grandson (Richard's son), are surely privileged to retain his influence. Canada, his proudly-adopted country, is a richer place because he was here.