

## List of Publications for George Lindsey

**Although not comprehensive, this list is comprised of publications by George Lindsey written before, during and after his professional working career in Canada's Department of National Defence.**

### Books (Edited or Authored)

- 1973 Albert Legault et George Lindsey. *Le Feu Nucleaire*. Editions DU Seuille, Paris.
- Albert Legault und George Lindsey. *Dynamik des nuklearen Gleichweichts*. Alfred Metzner Verlag, Frankfurt am Main.
- 1974 Albert Legault and George Lindsey. *The Dynamics of the Nuclear Balance*. Cornell University Press. (revised edition, 1976).
- 1994 C.E. Law, G.R. Lindsey, and D.M. Grenville. *Perspectives in Science and Technology: The Legacy of Omond Solandt*. Kingston: Queen's Quarterly, Queen's University.
- 1997 George Lindsey ed. *No day Long Enough: Canadian Science in World War II*. Canadian Institute of Strategic Studies.

### M.A. and Ph.D. Thesis

- 1946 The Beta and Gamma Radiation from a Plane Sheet of Radioactive Indium, M.A. Thesis, Queen's University.
- 1950 Transitions from excited States of Neon, Oxygen and Beryllium Nuclei, Ph.D. Thesis, Cavendish Laboratory, University of Cambridge.

### Articles, Book Chapters, and Papers

- 1949 With S. Devons. "Electron Pair Creation by a Spherically Symmetrical Field." *Nature*, 164, 539.
- With S. Devons and H.G. Hereward. "Lifetime for Pair Emission by Spherically Symmetrical Excited States of the  $^{16}\text{O}$  Nucleus." *Nature*, 164, 586.
- 1950 With S. Devons. "Gamma Radiation from the Resonant Capture of Protons by  $^7\text{Li}$  Nuclei." *Proceedings of the Physical Society A63*, 1202.
- 1952 "The Roles of Radar." *Canadian Army Journal*, 5, 17.

- 1954 With S. Devons and G. Goldring. "Emission of Electron-Positron Pairs from Light Nuclei I; Monopole Transition in  $^{16}\text{O}^*$ ." *Proceedings of the Physical Society*. A67, 134.
- 1956 "When is Air Defence Worth While?" *Royal Canadian Staff College Journal*, 30.
- 1959 "Statistical Data Useful for the Operation of a Baseball Team." *Operations Research*, 7, 197.
- 1960 "Defence Against Ballistic Missiles." *RCAF Staff College Journal*, 40.
- 1961 "The Limitations of Military Space Vehicles." *Air Force College Journal*, 58.
- "The Progress of the Score During a Baseball Game." *Journal of the American Statistical Association*, 56, 703.
- 1963 "An Investigation of Strategies in Baseball." *Operations Research*, 11, 477.
- 1964 "The Submarine Environment." *Air Force College Journal*, 65. Reprinted in *Survival*, 6, 69.
- 1965 With A. Berti. "66/4094 Modello Meccanico per la previsione del moto dei satellite su orbite non distant della superficie della terra." *Ingegneria Meccanica*, XIV-9, 17.
- 1968 "Interception Strategy Based on Intermittent Information." *Operations Research*, 16, 489.
- 1969 "Operational Research in the Department of National Defence: The Position in 1968." *CORS Journal*, 7, 1, Mar 1969 (pp. 31-38).
- "Strategic Weapon Systems, Stability, and the Possible Contributions by Canada." *Behind the Headlines*, C.I.I.A., XXVIII, 7 and 8, July; also in House of Commons Standing Committee on External Affairs and National Defence Minutes of Proceedings and Evidence, 43 (13 May 1969); 46 (21-22 May 1969).
- 1969 "Correspondence regarding ABM." *The Canadian Forum*. October 1969, p. 166.
- 1970 "The Stability of Countries of Various Sizes." OR 69, Proceedings of the Fifth International Conference on Operational Research. Ed. John Lawrence. Tavistock Publications, pp. 181-191, 1970.
- With G.D. Kaye. MIRVs and the Strategic Balance. *Nature*, 227, 696, 15 August 1970.
- 1971 "Managing the Expos to the World's Championship." *Optimum*. 2(1), 23 (1971).
- 1972 "Operational Research and Systems Analysis in the Department of National Defence." *Optimum*, 3, 2, 1972, pp. 44-54.

- “Deterrence and Defence – 1972.” *EMO National Digest* June-July 1972, pp. 1-6.
- Canadian Naval Policy since World War II: A Decision-Making Analysis by G.M. Dillon, with comments by G.R. Lindsey and Jonathan Wenk. Centre for Foreign Policy Studies, Dalhousie University Occasional Paper, October 1972.
- 1973 Strategic Deterrence and North American Aerospace Defence. United Services Institute of Ottawa. Vol. 2, No. 3, 3 July 1973, pp. 57-63.
- With J.H. Trotman. L’Enchevêtrement des Systèmes de Défense et l’Impact des SALT sur la Sécurité Européenne. Chap. II dans “Choix: La Sécurité Européenne dans les Années 1970-80.” Centre Québécois des Relations Internationales. pp. 37-45.
- 1974 With A. Legault. La Logique de l’Apocalypse. *Québec Science*, 12, 10, 28, June.
- “A Useful New Role for the Canadian Forces in Europe.” *Canadian Defence Quarterly*, 4, 1, 27 (Summer).
- 1975 “Some Types of Nuclear Proliferation are more Dangerous than Others.” *Science Forum*, 43, pp. 10-12, February 1975.
- “In Defence of Defence.” *Cnd Forces Staff College Newsletter*, Spring 1975 (reprinted in *Maritime Affairs Bulletin* 3/76, The Navy League of Canada).
- With D.P. Dexiel. “Professionalism and the Canadian Operational Research Society.” *INFOR*, 13, 2, 215-221, June 1975.
- “World Crisis 1975: Military Aspects.” *Behind the Headlines*, 34, 2, 10-18 (1975).
- “Canada’s Systems Analysts get to know each other.” *Science Forum*, 46, 21-23, August 1975.
- 1976 “Tactical Anti-Submarine Warfare: the Past and the Future.” *Adelphi Paper* No. 122 (*Power at Sea, I, the new Environment*) International Institute for Strategic Studies, London, pp. 30-39 (1976).
- 1978 “Looking Back over the Development and Progress of Operational Research.” *Operational Research ’78*. Eighth IFORS International Conference on Operational Research.
- 1986 “The Strategic Defence of North America.” ORAE, DND: CISS Issues on Strategy.
- 1989 Strategic Defence in the 1990s. In *Nuclear Strategy in the Nineties: Deterrence, Defence, and Disarmament*. CISS Toronto Seminar.

- 1990 With Patricia Bliss McFate, Sydney N. Graybeal, and D. Mark Kilgour. "Constraining Proliferation: The Contribution of Verification Synergies." Prepared for the Non-Proliferation, Arms Control and Disarmament Division, Department of External Affairs, *Canada Arms Control Verification Studies*, No. 5, 1993.
- 1995 "Some Personal Recollections of Army Operational Research on Radar in World War II." *Canadian Military History*, 4, 2, Autumn 1995.
- 1997 "Canadian Wartime Operational Research." Chapter in *No Day Long Enough: Canadian Science in World War II*. CISS.
- 1998 "Four Good Decades of OR in the Canadian Department of National Defence." *Journal of the Operational Research Society*, 49, 4, April 1998.
- 1999 *Strategic Nuclear Weapons: Fewer Would be Better, But Zero Would be Imprudent*. Waterloo: Laurier Centre for Military, Strategic and Disarmament Studies.
- 2003 "Potential Contributions by the Canadian Armed Forces in the Defence of North American against Terrorism: The Importance of Overhead Surveillance." CIIA: *International Journal*, LVIII, 3.
- "Security Policies." CIIA: *Behind the Headlines*, 60, 2.

### Reviews

- 1966 Review of Robert Kuenne's *The Attack Submarine*. *International Journal*, XXI, 544.
- 1967 Review of Robert Kuenne's *The Polaris Missile Strike*. *International Journal*, XXII, 685.
- 1968 Review of Earnshaw Cooke's *Percentage Baseball*. *Operations Research*, 16, 1088.
- 1969 Review of Nigel Calder's *Until Peace Comes*, and or Ralph Lapp's *The Weapons of Culture*. *International Journal*, XXIV, 4, 828.
- 1970 Review of D. Bobrow Ed. *Weapons Systems Decisions: Political & Psychological Perspectives on Continental Defence*. *International Journal*, XXV, 2, 431, Spring.
- 1975 Review of Ingemar Dorfer's *System 37 Viggen: Arms, Technology, and the Domestication of Glory*. *International Journal*, 30, 2, 346-348, Spring 1975.