Bibliography of Norman Levitt (1943–2009)

Journals:

1. Applications of engulfing (Norman J. Levitt), Ph.D. thesis, Princeton, 1967.

2. On the structure of Poincaré-duality spaces (Norman Levitt), Topology, **7** (1968), 369-388.

3. Normal fibration for complexes, (Norman Levitt). Illinois J. of Math., **14** (1970), 385-408.

4. Generalized Thom spectra and transversality for spherical fibrations (Norman Levitt), Bull. AMS, **76** (1970), 727-737.

5. Poincaré duality cobordism (Norman Levitt), Annals of Math., **96** (1972), 211-244.

6. Applications of Poincaré duality spaces to the topology of manifolds (Norman Levitt), Topology, **11** (1972), 205-221.

7. A general position theorem in the Poincaré duality category (Norman Levitt), Comm. Pure & Applied Math., **25** (1972), 163-170.

8. Transversality and PL structures for spherical fibrations (Norman Levitt and John Morgan), Bull. AMS, **78** (1973), 1064-1068.

9. Homotopy equivalences which are cellular at the prime 2 (Norman Levitt), Aarhus Univ., preprint series, 1971/72, #20 (also Bull. AMS, **79** (1973), 601-606).

10. Fiberings of manifolds and transversality (Norman Levitt), Aarhus Univ. preprint series, 1971/72, #28 (also Bull. AMS, **79** (1973), 377-382).

11. Exotic singular structures on spheres (Norman Levitt), Trans. AMS, **205** (1975), 371-388.

12. On controllability by means of two vector fields (Norman Levitt and Hector Sussmann), SIAM J. Control, **13**, #6, November, 1975.

13. Immersions of homotopy equivalent manifolds (Norman Levitt), CMS Proceedings, **2**, "Current Trends in Algebraic Topology" (London, Ontario 1981), Part 2, 387-421.

14. Small sets of homeomorphisms which control manifolds (Norman Levitt), Math. Systems Theory, Proc. AMS, **55** (1976).

15. Homotopy and continuous reachability (Norman Levitt), Topology, **15** (1976), 55-67.

16. A necessary and sufficient condition for fibering a PL manifold (Norman Levitt), Topology, **14** (1975), 229-236.

17. On a $\sum$-spectrum related to G/Top (Norman Levitt), Houston J. Math., **3** (1977), 481-493.

18. The pursuit problem on a manifold where the pursuer uses bang-bang controls (N. Levitt and H. Sussmann), 2nd. Kingston Conf. on Diff. Games & Control Theory, II (ed. Roxin, Liu & Steinberg), Marcel Dekker, N.Y., 1977.

19. The PL Grassmannian and PL curvature (Norman Levitt), Trans. AMS, **248** (1979), 191-205.

20. The existence of local formulae for characteristic classes (Norman Levitt and Colin Rourke), Trans. AMS, **239** (1978), 391-397.

21. Grassmannians and Gauss maps in PL topology (Norman Levitt), Springer Lecture Notes in Mathematics, 1366, Springer-Verlag, Heidelberg.

22. Intrinsic transversality structures (Norman Levitt and Andrew Ranicki), Pac. J. Math., **129** (1987) 85-144.

23. Some remarks on local formulae for p_1, Algebraic and Geometric Topology: Proceedings Rutgers 1983 (Norman Levitt), Lecture Notes in Mathematics, **1126**, 96-126.

24. Algebraic and Geometric Topology: Proceedings Rutgers (Norman Levitt), 1983 (editor with A. Ranicki & F. Quinn); Lecture Notes in Mathematics, **1126**, Springer-Verlag, Heidelberg.

25. Tangents along the fiber in the PL category (Norman Levitt), Proc. AMS, **102** (1988) 213-217.

26. Spaces of Arcs and Configuration Spaces of Manifolds (Norman Levitt), Topology **34** (1995) 217–230.

27. The Euler Characteristic is the unique locally-determined homotopy invariant of finite complexes, Discrete and Computational Geometry (Norman Levitt), **45** (1992) 49-58.

28. Dynamical polysystems and vector bundles, Topology and its Applications (Norman Levitt) **45** (1992) 49-58.

Books:

Non-technical:

Higher Superstition: The Academic Left and its Quarrel with Science (Paul R. Gross and Norman Levitt), Baltimore, The Johns Hopkins University Press, 1993, [Chinese Edition, Taipei, Journalist Press, 2001].

The Flight from Science and Reason (ed., with P.R. Gross and M.W.Lewis), Annals of the New York Academy of Sciences, No.775 and Johns Hopkins University Press, 1996.

Prometheus Bedeviled: Science and the Contradictions of Contemporary Culture, New Brunswick, Rutgers University Press, 1999, [Chinese Edition: Nanjing, University of Nanjing Press, 2003].

Papers:

1. "The Natural Sciences: Trouble Ahead? Yes." (with P.R. Gross), *Academic Questions*, Spring, 1994, 13-29.

2. "The Perils of Democratizing Science" (with P.R. Gross), *Chronicle of Higher Education*, Oct. 4, 1994, B-1.

3. "Vetenskapens pessimism, antivetenskapens nihilism," (Swedish translation of "The pessimism of science, the nihilism of antiscience"), *Tvärsnitt*, 4-1995, 62-69.

4. "Knocking Science for Fun and Profit" (with P.R. Gross), *Skeptical Inquirer*, March/April, 1995, 38-42.

5. "The World's Highest IQ and Other Damned Souls," *Cultural Studies Times*, Vol. 1, No. 3, 13ff.

6. "Mathematics as the Stepchild of Western Culture," in *The Flight from Science and Reason*, (ed. Gross, Levitt and Lewis), Ann. New York Academy of Sciences 775, 1996, 39–53.

7. "Academic Anti-Science" (with P.R. Gross), *Academe*, November/December, 1996, 38-42.

8. "More Higher Superstitions: Knowledge, Knowingness, and Reality," *Skeptic*, Vol. 4, No. 4, 1996, 78-84.

9. Review of J. Høyrup: "In Measure, Number, Weight," Historia Mathematica, 24, 1997, 339-342.

10. "The End of Science, the Central Dogma of Science Studies, Monsieur Jourdain, and Uncle Vanya," in N. Koertge, ed., *A House Built on Sand*, New York, Oxford University Press, 1998.

11. "Response to Critics: Three Sonnets Contra-Fullerine–Symposium on The Flight from Science and Reason," *Metascience*, Vol. 7, No. 1, 1998, 50-51.

12. "What's Post is Quaalude - Symposium on Science and Posmodernism," 2B, A Journal of Ideas, No. 13.

13. "Why Professors Believe Weird Things." Skeptic, Vol.6, No. 3 (1998), 28-34.

14. "Confessions of a Disagreeable Man." Skeptic, Vol. 8, No. 3 (2000), 93-97.

15. Review, J. Horgan, "The Undiscovered Mind," Philosophy of Science, Vol. 67, No. 2 (2000), 345-6.

16. "The proper study of mankind", In Kenan Malik et al., "What Is It to Be Human?" London, Academy of Ideas, 2001.

17. "Kennewick Man: burying the truth about America's past." Spiked!, 9 January, 2001 (www.spiked-online.com).

18. "The pedant's revolt." spiked!, 6 December 2001 (www.spiked-online.com).

19. "Reflections on the Science Wars." Scipolicy, 2001 (scipolicy.net).

20. "The Science Wars: Deconstructing Science is Pseudoscience." In M. Shermer, ed., "The Skeptic Encyclopedia of Pseudoscience." Santa Barbara, ABC-Clio, 2002. (Reprint of (8).)

21. "The Sources and Dangers of Postmodern Anti-Science," Free Inquiry, Vol. 21, No. 2 (2001), 44-47.

22. "A critique of Shapin and Schaffer" (with P.R. Gross). In K. Parsons, ed., "The Science Wars: Debating Scientific Knowledge and Technology." Amherst, NY, Prometheus Books, 2003. (Reprinted from "Higher Superstition.")

23. "Pious Fantasies" (review, D. Teresi, "Lost Discoveries"), Skeptic, Vol. 10, No. 2 (2003), 86-90.

24. "Challenging Columbia." spiked!, 25 February 2003 (www.spiked-online.com).

25. Review, J. Franklin, "The Science of Conjecture." Mathematical Intelligencer, Vol. 26, No. 1 (2004), 53-55.

26. "Unbounded Determination – or, Everybody Wants to Get into the Act!" Scipolicy 2004. (scipolicy.net)

27. "Rejoinder to Boolsen." Scipolicy, 2004 (scipolicy.net).

28. "Theological Emergency" (review, N.H. Gregersen, ed., "From Complexity to Life), Skeptic, Vol. 10, No. 4, 2003.

29. "The Colonization of the Past and the Pedagogy of the Future." In G. Fagan, ed., "Archaeological Fantasies: How Pseudoarchaeology Misrepresents the Past and Misleads the Public." London, Routledge, 2006, 259–285.

30. "The Sokal Affair", Encyclopedia of Science, Technology, and Ethics, New York, Macmillan, 2005.

Preprints:

1. Lifting of orientation and reduction of bundle structure (Norman Levitt), (preprint).
2. Dynamical polysystems and principal bundles (Norman Levitt), (preprint).

3. "The Gauss map of a generic pair of vector fields" (Norman Levitt),(preprint).