

Articles and Books on Science

by Ken Smith

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The following lists only those items which can claim to have the status of refereed articles or books. It should be noted that in many cases other authors are also involved. In addition to these, and various pamphlets and information sheets, a number of letters have been published in newspapers and periodicals.

From 1956 to 1965 various papers and reports were written for the Aerodynamics Department of the Royal Aircraft Establishment on problems in fluid mechanics, a number of which are still subject to security restrictions. Unclassified reports are listed below.

1. Smith, K. G. (1961). *Boundary Layer Growth in the Nozzle of the R.A.E. 8 ft × 8 ft Supersonic Wind Tunnel*. Royal Aircraft Establishment Technical Note Aero **2767**. 16pp.
2. Smith, K. G., Gaudet, L. and Winter, K. G. (1962). *The Use of Surface Pitot Tubes as Skin Friction Meters at Supersonic Speeds*. Royal Aircraft Establishment Report Aero **2665**. 50 pp.
Subsequently published as Aeronautical Research Council, Reports and Memoranda, **3351**, 1964.
3. Smith, K. G. (1964). *Methods and Charts for Estimating Skin Friction Drag in Wind Tunnel Tests with Zero Heat Transfer*. Royal Aircraft Establishment Technical Note Aero **2980**. 29 pp.
Subsequently published as Aeronautical Research Council, Current Papers, **824**, 1965.
4. Smith, K. G. (1965). *The Increase in Wave Drag at Supersonic Speeds due to Surface Waviness*. Royal Aircraft Establishment Technical Report **65173**. 29 pp.
5. Winter, K. G., Smith, K. G., and Gaudet, L. (1965). *Measurements of Turbulent Skin Friction at High Reynolds Numbers at Mach Numbers of 0.2 and 2.2*. Specialists' Meeting: *Recent Developments in Boundary Layer Research*, Naples, Italy, 10–14 May, 1965. Advisory Group for Aerospace Research and Development, NATO: AGARDograph **97**, 97–123.

6. Winter, K. G., Smith, K. G., and Rotta, J .C. (1965). *Turbulent boundary-layer studies on a waisted body of revolution in subsonic and supersonic flow*. Specialists' Meeting: *Recent Developments in Boundary Layer Research*, Naples, Italy, 10–14 May, 1965. Advisory Group for Aerospace Research and Development, NATO: AGARDograph **97**, 933–961.
 German version presented at 6. Europäischen Luftfahrtkongress, Munich, 1–4 September, 1965: Winter, K. G., Rotta, J .C. and Smith, K. G. *Untersuchungen der turbulenten Grenzschicht an einem taillierten Drehkörper bei Unter- und Überschallströmungen*. Deutsche Luft- und Raumfahrt, Forschungsbericht **65 - 52**. 71 pp.
 A revised version was published as:
 Winter, K. G., Rotta, J .C. and Smith, K. G. (1968): *Studies of the Turbulent Boundary Layer on a Waisted Body of Revolution in Subsonic and Supersonic Flow*. Royal Aircraft Establishment, Technical Report **68215**. 106 pp.
 With some further revisions it was published, with the same title, as Aeronautical Research Council, Reports and Memoranda, **3633**, 1970.
7. Winter, K. G. and Smith, K. G. (1965). *Measurements of Skin Friction on a Cambered Delta Wing at Supersonic Speeds*. Royal Aircraft Establishment Technical Report **65181**. 43 pp.
 Subsequently published as Aeronautical Research Council, Reports and Memoranda, **3501**, 1967.
8. Winter, K. G. and Smith, K. G. (1968). *Measurements of Section Pressure Distribution at a Mach Number of 2.0 on a Wing of 70 degrees Sweep Mounted on a Waisted Body*. Royal Aircraft Establishment Technical Report **68114**. 45 pp.
 Subsequently published as Aeronautical Research Council, Reports and Memoranda, **3661**, 1968.
9. Smith, K. G. (1970). High Reynolds number flow between torsionally oscillating disks, *Bull. Austral. Math. Soc.* **2** (1), 55–79.
10. Smith, K. G. and Hart, V .G. (1986). Rejoinder to Neville Grace's Reaction. *Teaching Mathematics*, **11**, 7–10.
11. Bridgstock, Martin, and Smith, Ken (eds.) (1986–1987). *Creationism – An Australian Perspective*. 3 editions. Australian Skeptics. For details

of the contents of this book see the separate list of publications on creationism.

12. Smith, Ken (1989). Creationism and SI units. *Aust. Geol.*, **71**, 16.
13. Smith, K. G. (1989). The Soggies and Squelchies Problem in Linear Programming. *Maths Matters*, **1** (1), 8.
14. Smith, K. G. (1989). The Soggies and Squelchies Problem — A Solution. *Maths Matters*, **2** (1), 21–22.
15. Smith, K. G. (1990). Mathematical Modelling and Chaos: Part I. *Maths Matters*, **2** (3), 11–14.
16. Smith, K. G. (1990). Mathematical Modelling and Chaos: Part II. *Maths Matters*, **2** (4), 13–16.
17. Adams, P., Smith, K. and Výborný, R. (2004). *Introduction to Mathematics with Maple*. World Scientific Publishing Co. Pte. Ltd, Singapore. ISBN: 981–238–931–8.