

CURRICULUM VITAE (Short) DAVID J. SMITH

June, 2004

PERSONAL INFORMATION:

Born: 1952 Wolverhampton, England
Residence: Calgary, Alberta since 1981

EDUCATION AND ACADEMIC APPOINTMENTS:

Dip. P.E. St. Luke's College, Exeter, England 1975
M.Sc. University of Alberta, Edmonton 1978
Ph.D. University of Alberta, Edmonton 1981
Assistant Professor, Faculty of Physical Education, University of Calgary, 1981-1985
Associate Professor, Faculty of Kinesiology, University of Calgary, 1985 - 1998.
Professor, Faculty of Kinesiology, University of Calgary, 1998 to present.

AWARDS:

Superior Teacher in Physical Education, University of Calgary, Students' Union 1982
Fit for the Final - video, D.J. Smith and T. Maxwell, First Prize Blue Ribbon Award
American Film and Video Festival, New York 1987
Fit for the Final Award of Excellence, Association for Media and Technology in Education,
Toronto 1987
Alberta Achievement Award for contributions to Sports Medicine 1989
Canadian Association of Sport Sciences - Sport Canada Award 1990
Teaching Excellence Award in Physical Education, University of Calgary, Students' Union 1992
IOC Medical Commission-International Team Leader-Swimming Research Project, Atlanta 1996
Graduate Student Society Teaching Award – Nominee, 2000.
Canadian Sport Awards, Leadership Category, Finalist, 2002

RESEARCH SPECIALIZATION:

Testing and interpretation of physiological data, combined **with** the design and monitoring of training programs for high performance athletes. Research interests include: performance evaluation by critical power/speed; maximum lactate steady state; altitude training; overtraining; physiological factors of performance. Application of physiological and biochemistry to **monitoring** and peaking of athletes.

SPORT AFFILIATIONS:

National Swimming Team; National Speed Skating Team; National Volleyball Team; National Synchronized Swimming Team; National Cross-Country Ski Team; Women's Olympic Ice Hockey Team; Figure Skating; Distance Running; Cycling. Exercise Physiology Consultant at 1984 Winter and Summer Olympics; 1988 Winter Olympics; 1992 Summer Olympics; 1996 and 2000 Summer Olympics; 2002 Winter Olympics; 1986 and 1990 World Swimming Championships; Director of Sport Science, Canadian Sport Centre – Calgary, 1994 - present.

PUBLICATIONS AND PRESENTATIONS:

29 Journal Publications; 57 Abstracts and Proceedings; 75 Presentations on sport and exercise physiology

RECENT PUBLICATIONS:

Jordan, M., Norris, S.R., Smith, D.J. and Herzog, W. Vibration Training. *Journal of Strength and Conditioning Research*. (in press, May, 2004).

Kolb, J.C., Farran, P., Norris, S.R., Smith, D.J. and Mester, J. Validation of pulse oximetry during progressive normobaric hypoxia utilizing a portable chamber. *Canadian Journal of Applied Physiology* 29(1): [in press], 2004.

Smith, D.J. A framework for understanding the training process leading to elite performance. *Sports Medicine* 33(15): 1890-1919, 2003.

Smith, D.J., Norris, S.R. and Hogg, J.M. Performance Evaluation of Swimmers: Scientific Tools. *Sports Medicine* 32(2): 539-554, 2002.

Smith, D.J. and Norris, S.R. Training Load and Monitoring an Athlete's Tolerance to Endurance Training. In: M. Kellman (Ed.) *Enhancing Recovery: Prevention of Underperformance in Athletes*. Chapter 5, pp. 81-101, May, 2002.

Norris, S.R. and Smith, D.J. Planning, Periodization and Sequencing of Training and Competition. In: M. Kellman (Ed.) *Enhancing Recovery: Prevention of Underperformance in Athletes*. Chapter 7, pp. 121-141, May 2002.

Smith, D.J. and Norris, S.R. Changes in glutamine and glutamate concentrations for tracking training tolerance in elite athletes. *Medicine and Science in Sports and Exercise* 32(3): 684-689, 2000.