

# STAFF 1999

## ACADEMIC STAFF

### DEAN

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Leslie R.T. Williams DipPhEd(NZ) DipTchg(NZ) DipEd(Auck) AB MA  
PhD(Berkeley)

### PROFESSORS

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John W. Loy BS(Lewis and Clark) MA(Iowa) PhD(Wis) (On Study Leave 1999)  
David G. Russell MPE(Br Col) MA PhD(Mich) MAPsS MACE FSMNZ  
Leslie R.T. Williams DipPhEd(NZ) DipTchg(NZ) DipEd(Auck) AB MA  
PhD(Berkeley)

### SENIOR LECTURERS

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J. Greg Anson DipPhEd(Otago) MSc(Wyoming) PhD(Penn State)  
Douglas G. Booth BSc(Melb) MSc(Natal) PhD(Macq)  
David F. Gerrard OBE MB ChB(Otago) FACSP  
Kenneth P. Hodge DipPhEd(Otago) MSc(Montana) PhD(Ill)  
Steven J. Jackson BA(W Ont) MSc PhD(Ill)  
Rex W. Thomson DipPhEd(Otago) MSc(Montana) PhD(Alta)  
Barry D. Wilson BSc(Otago) MSc(S Fraser) PhD(Iowa)

### LECTURERS

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Richard J. Batty MSc(Penn State) PGDip BPR&TN(Lincoln)  
Michael A. Boyes MEd(PE)(W Aust) BEd DipTchg(Massey) PhD(Otago)  
Ralph Buck MA(Dance St)(Surrey) BEd(Newcastle CAE)  
Lisette Burrows BPhEd BA DipArts(Otago) DipTchg(ChCh) PhD(Woll)  
Tania G. Cassidy MPhEd DipGrad DipPhEd(Otago) DipTchg(ChCh)  
Philip J. Handcock BPhEd(Otago) MSc(Alta)  
Robyn L. Jones BSc MA(Wales) PhD(Southern Mississippi)  
Alexander D. McKenzie BPhEd BA(Otago) MA PhD(Vic BC)  
Motohide Miyahara BA(Ritsumeiken) MA(Antioch) MEd(Tokyo) MSc PhD(UCLA)  
Nancy Rehrer BA(Duke) MSc(Clemson) PhD(Limburg)  
Gordon Sleivert BSc MA PhD(Vic BC)  
Toshimasa Yanai BSc(Chukyo) MSc(Indiana) PhD(Iowa)

### RESEARCH FELLOW

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Noela C. Wilson DipPhEd(Otago) MSc(S Fraser) PhD(Iowa)

## **TEACHING FELLOWS**

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Alison East DipPhEd(Otago)

John Maxted BPhEd(Otago) Dip Tchg(Auckland) MA(Alberta)

Pam Ponik BHK(Windsor) MHK(Windsor)

## **TEACHING ASSISTANTS**

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Scott Cresswell BSc(Auckland) PGDip (Otago)

Melanie Bussey BPE MSc(New Brunswick)

Andrew Grainger BSc(Otago)

Brendan Hoko BPhEd(Otago) MA(Vic BC)

Lynnette Jones BSc BPhEd(Hons)(Otago)

Kimberlee Jordan BPhEd(Hons) (Otago)

Annemarie Jutel Infirmière diplômé d'état(Nantes) BPhEd(Hons)(Otago)

Christie Munro BPhEd (Hons)(Otago)

Robert Nicholson BCom DipEd(Melbourne) BAppSci(Canberra) MHK(Windsor)

Geoffrey Ockwell BPhEd BCom (Otago)

Bruce Pinel BA(Hons)(Vic BC) MA(Alberta)

Clare Register BPhEd(Otago)

Andrew Reid BPhEd(Hons)(Otago)

Stephen Rickerby BREP(Hons)(Massey)

Christina Ryan BPhEd(Hons)(Otago)

Michael Silk BA(Hons)(Southampton) MA(Alberta)

## **PART-TIME TEACHING FELLOWS**

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Marguerita Lazar BA MA(Otago)

## GENERAL STAFF

### TECHNICAL STAFF

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Laboratory Team Manager	Diana Wilson DipSpSt(Otago)
Laboratory Technicians	Robyn Bell Dip MLT Chris Rudman BSc(Canterbury) Helen Cooper NZCS, Frances van Eerten
Computer Manager	Chris Sullivan BCom(Otago)
Computer Support Person	Hamish Gould BCom(Otago)
Computer Programmer	Jamie Plowman BSc(Macquarie) AssDipEng
Electronics Technician	Nigel Barrett NZCE Doug Graham RTC
Mechanical & Practicals	
Support Team Manager	Ron Caley NZCS NZCE
Outdoor Education Tech.	Nick Beharrell
Outdoor & Mechanical Tech.	Neil George NZCS

### ADMINISTRATIVE AND CLERICAL STAFF

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School Administrator	Helen Carman NZCTP
Administrative Assistant	Rosemary Watson(until May 99) Stephen Kinney
Sports Studies Admin.	Beverley Lawrence BA(Hons)(Herts) DipTchg
Secretary to the Dean	Maureen Stout
Secretaries	Kathy Manu Lorraine Bartlett TTC
Clerical Assistants	Sandra Newton Diane Steffens

### MOVEMENT DEVELOPMENT CLINIC

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Secretary	Lorraine Bartlett
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### LINZ<sup>®</sup> ACTIVITY & HEALTH RESEARCH UNIT

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Director	David G. Russell MPE(Br Col) MA PhD(Mich) MAPs S MACE FSMNZ
Research Fellow	Noela C. Wilson DipPhEd(Otago) MSc(S Fraser) PhD(Iowa)
Computer Scientist	Charles W. Blakey BEng(Trent)
Secretary	Maureen Foster

### HUMAN PERFORMANCE CENTRE

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Director	Gordon Sleivert BSc MA PhD(Vic BC)
Manager	Alan Walmsley BSc(Hons)(Hull) MSc PhD(Otago) MNZIP MIMC
Secretary	Mary McGuire
Support Staff	Susan Maunsell BPhEd(Otago) Dip Phty(AIT) Val Burke BPE(Br Col) MPhEd(Otago)

# PUBLICATIONS

## BOOKS

- Hodge, K. & McKenzie, A. (1999). *Thinking rugby: Training your mind for peak performance*. Auckland, Reed Books, 236 p, ISBN 0-7900-0666-9.
- Howe, M., Hellemans, I., Rehrer, N. & Pearce, J. (1999). *Sports nutrition for New Zealand athletes and coaches*. Sport Science New Zealand Inc, 88 p, ISBN 0-9583592-9-6.
- Jones, R.L. & Tranter, T.G. (1999). *Soccer strategies: Defensive and attacking tactics*. Spring City, PA: Reeds wain, 83 p, ISBN 1-890946-33-8.
- Russell, D.G., Parnell, W.R., Wilson, N.C. et al. (1999). *NZ Food: NZ People. Key results of the 1997 National Nutrition Survey*, Ministry of Health: Wellington, 268 p, ISBN 0-478-23572-0.

## BOOK CHAPTERS

- Hodge, K.P. & Danish, S. (1999). Promoting life skills for adolescent males through sport. In A. Horne & M. Kiselics (Eds). *Handbook of counselling boys and adolescent males*. Thousand Oaks, CA: Sage, pp 55-71.
- Jackson, S.J. & Meier, K.V. (1999). Hijacking the hegemonic signifier: Donovan Bailey and the politics of racial and national identity in Canada. In R. Sands (Ed). *Global jocks: Anthropology, sport and culture*. Westport, CT: Greenwood Press, pp. 173-188.
- Jackson, S.J. & Andrews, D.L. (1999). The Globalist of them all: The everywhere man, Michael Jordan and American popular culture in New Zealand. In R. Sands (Ed). *Global jocks: Anthropology, sport and culture*. Westport, CT: Greenwood Press, pp. 99-117.
- Jones, R.L. (1999). I.T. and sociology: The small college experience. In E. Godfrey (Ed). *Teaching sociology at small institutions*. Ripon, Wis.: American Sociological Association, pp. 104-106.

Jones, R.L. & Armour, K.M. (1999). Critical pedagogy as a teaching strategy in sociology. In E. Godfrey (Ed). *Teaching sociology at small institutions*. Ripon, Wis.: American Sociological Association, pp. 146-150.

Miyahara, M. (1999). Clumsiness in children: Practical issues. In M. Tsujii & M. Miyahara (Eds). *Clumsiness in children*, Tokyo: Brain Publishing Co., pp. 55-108. [Japanese]

Miyahara, M. (1999). Clumsiness in children with Asperger's syndrome. In T. Sugiyama & M. Tsujii (Eds). *High functioning pervasive developmental disorder*, Tokyo: Brain Publishing Co., pp. 93-100. [Japanese]

Rossi, T. & Cassidy, T. (1999). Knowledgeable teachers in physical education: A view of teachers' knowledge. In C. Hardy & M. Mawer (Eds). *Learning and teaching in physical education*. Lewes: Falmer Press, pp. 188-202.

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## JOURNAL ARTICLES

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## REFEREED JOURNALS

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Anson, J.G. & Wickens, J. (1999). Editor's Note. *International Journal of Neuroscience*, 97:235-275.

Booth, D. (1999). Gifts of corruption? Ambiguities of obligation in the Olympic movement. *Olympika*, 8:1-22.

Booth, D. (1999). Rugby and nationalist logic in South Africa. *Football Studies*, 3(1):6-25.

Booth, D. (1999). Surfing: The technological and cultural determinants of a dance. *Culture, Sport, Society*, 2(1): 36-55.

Booth, D. & Loy, J. (1999). Sport, status, style. *Sport History Review*, 30(1):1-26.

Caird, S., McKenzie, A. & Sleivert, G. (1999). Biofeedback and relaxation techniques improve running economy in sub-elite long distance runners. *Medicine and Science in Sports and Exercise*, 31(5):717-722.

Cochrane, D. & Sleivert, G. (1999). Do changing patterns of heat and humidity influence thermoregulation and endurance performance? *The Journal of Science and Medicine in Sport*, 2(4):306-316.

- Grainger, A. & Jackson, S. (1999). Resisting the swoosh in the land of the long white cloud. *Peace Review*, 11(4):511-516.
- Hodge, K.P., Cresswell, S., Sherburn, D. & Dugdale, J. (1999a). Physical activity-based LifeSkills programmes: Part I – LifeSkills & the health/PE curriculum. *Journal of Physical Education New Zealand*, 32:8-11.
- Hodge, K.P., Cresswell, S., Sherburn, D. & Dugdale, J. (1999b). Physical activity-based LifeSkills programmes: Part II – Example programmes. *Journal of Physical Education New Zealand*, 32:12-15.
- Jackson, S.J. (1999). Sport, violence and advertising in the global economy. *Working Papers in Sport and Leisure Commerce*, University of Memphis, 4:1-20.
- Jackson, S.J. & Andrews, D.L. (1999). Between and beyond the global and the local: American popular sporting culture in New Zealand. *International Review for the Sociology of Sport*, 34(1):31-42.
- Jones, R.L., Potrac, P. & Ramalli, K. (1999). Where sport meets physical education: A systematic observation of role conflict. *International Journal of Physical Education*, 36(1):7-14.
- Kidman, L., McKenzie, A. & McKenzie, B. (1999). The nature and target of parents' comments during youth sport competitions. *Journal of Sport Behavior*, 22:54-68.
- McKewen, M.W., Rehrer, N.J., Cox, C. & Mann, J. (1999). Glycaemic control, muscle glycogen and exercise performance in IDDM athletes on diets of varying carbohydrate content. *International Journal of Sports Medicine*, 20:349-353.
- Marsh, D. & Sleivert, G. (1999). Effect of pre-cooling on high intensity cycling performance. *British Journal of Sports Medicine*, 33(6):393-397.
- Miyahara, M., Hoff, J., Espnes, G. & Nishida, T. (1999). The Norwegian version of the Achievement Motivation in Physical Education Test: Development and factor analysis. *Corpus, Psyche et Societas*, 6(1):21-27.
- Morrison, S. & Anson, J.G. (1999). Natural goal-directed movements and the triphasic EMG. *Motor Control*, 3:346-371.

Russell, D.G., Parnell, W.R. & Wilson, N.C. (1999). Nutrition trends in New Zealand. *New Zealand Public Health Report*, 6(9):65-68.

Vrijens, D.M.J. & Rehrer, N.J. (1999). Sodium-free fluid ingestion decreases plasma sodium during exercise in the heat. *Journal of Applied Physiology*, 86(6):1847-1851.

Wilson, B. D., Quarrie, K. L., Milburn, P. D. & Chalmers, D. J. (1999). The nature and circumstances of tackle injuries in rugby union. *Journal of Science & Medicine in Sport*, 2(2): 153-62.

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## INTERNET PUBLICATIONS

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Potrac, P. & Jones, R.L. (1999). The invisible ingredient in coaching knowledge: A case for recognising and researching the social component. *Sociology of Sport on Line*, 2(1), [brunel.ac.uk/depts/sps/sosol/v2il.htm](http://brunel.ac.uk/depts/sps/sosol/v2il.htm), (1900 words).

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## PROFESSIONAL AND NON-REFEREED JOURNALS

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Cresswell, S. & Hodge, K.P. (1999). The team environment: Implications for youth sport coaches. *New Zealand Coach*, 7:8-10.

Cresswell, S. & Hodge, K.P. (1999). Coping with adversity: Lessons from elite surf lifesaving competitors. *New Zealand Coach*, 7:20-22.

Jones, L.M. & Legge, M. (1999). Diabetes and spinal cord injury. *Spinal Network News*, 2(3):8-9.

Pinel, B. (1999). Team building in youth sport. *The New Zealand Coach*, 8(2), 12-13.

Wilson, N.C., Russell, D.G., Parnell, W.R. & Horwath, C. (1999). Nutrition. What do New Zealanders eat? *New Zealand Pharmacy*, 19(12):15-19.

Yanai, T. (1999). Swimming for success. *New Zealand Science*, 10(3);10-11.

# CONFERENCE PUBLICATIONS

## PROCEEDINGS

- Boyes, M.A. (1999). How outdoor leaders make sound decisions. *Proceedings of the 27<sup>th</sup> Annual Association of Experiential Education Conference*. Rochester, New York, USA, pp. 36-38.
- Miyahara, M. (1999). Developing the construct of participation motivation in wheelchair rugby. In D. Drouin, C. Lepine, & C. Simard (Eds). *Proceedings of the 11th International Symposium for Adapted Physical Activity: Active Living Differently*, Institut de réadaptation en déficience de Québec, Québec, Canada, pp. 378-392.
- Takagi, H. & Wilson, B.D. (1999). Calculating hydrodynamic force by using pressure difference in swimming. In K.L. Keskinin, P.V. Komi & P.A. Hollander (Eds). *Biomechanics and Medicine in Swimming VIII*. University of Jyvaskyla, Finland, pp.101- 106.
- Walmsley, A. (1999). The design, construction and commissioning of the University of Otago swimming flume. *Proceedings of the XVII International Symposium in Biomechanics in Sports*, Edith Cowan University, Perth, Australia, pp. 151-154.
- Wilson, B.D., Takagi, H. & Pease, D.P. (1999). Technique comparison of pool and flume swimming. In K.L. Keskinin, P.V. Komi & P.A. Hollander (Eds). *Biomechanics and Medicine in Swimming VIII*, University of Jyvaskyla, Finland, pp. 181-184.
- Yanai, T. (1999). A method to determine the moment of buoyant force acting on front crawl swimmers. *Proceedings of the XVII International Symposium in Biomechanics in Sports*, Edith Cowan University, Perth, Australia, pp. 253-256.

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## KEYNOTE AND OTHER INVITED ADDRESSES AND PRESENTATIONS

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- Anson, J.G. *Discussant: Brain structures in learning and motor control. Approaches to a theoretical neuroscience.* Workshop on Theoretical Neuroscience, University of Otago, Dunedin, 26 November, 1999.
- Booth, D. *An Olympic gift? Friendship and corruption in the IOC.* Singapore Olympic Academy, Nanyang Technological University, Singapore, 14 November, 1999.
- Booth, D. *National identities in South Africa and Australia.* Annual Conference of the North American Society for Sport History, The Pennsylvania State University, Pennsylvania, 25 May, 1999.
- Boyes, M.A. *The changing face of the outdoor recreation industry: implications for education and training pathways.* New Zealand Outdoor Instructors Association Annual Conference, Christchurch, 2-3 October, 1999.
- Brewer, C., Jones, R.L., Potrac, P. & Armour, K. *Players perceptions of coaching behaviour in elite level rugby union: A qualitative analysis.* AIESEP '99 World Conference, Besancon, France, 7-9 April, 1999.
- Buck, R. *Is dance nice or necessary?* Invited presentation at the New Zealand Arts in the Primary School Conference, Wellington, 5-7 July, 1999.
- Cresswell, S. & Hodge, K. *'Baywatch Brains': Coping skills in elite surf life saving athletes.* Association for the Advancement of Applied Sport Psychology Conference, Banff, Canada, 22-26 September, 1999.
- Cresswell, S. & Hodge, K. *Intrinsic motivation in youth sport: Goal orientations and motivational climate.* Association for the Advancement of Applied Sport Psychology Conference, Banff, Canada, 22-26 September, 1999.
- Fausett, W.A., Stephens, K.R. & Hopkins, W.G. *Effect of short-term creatine supplementation for a simulated basketball performance.* Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Ferguson, E., Faed, J., Morison, I., McKenzie, J., Parnell, W.R., Wilson, N.C. &

- Russell, D.G. *Iron status in New Zealand: Is there a public health concern?* Pacific Partners in Nutrition, 2<sup>nd</sup> South-West Pacific Nutrition & Dietetic Conference, Auckland, New Zealand, September, 1999.
- Hodge, K. *Motivational profiles in rugby union.* 4<sup>th</sup> World Congress of Science and Football, Sydney, Australia, February, 1999.
- Hodge, K. *Physical activity-based life skills programmes.* Invited keynote presentation at the annual Physical Education New Zealand Conference, Napier, April, 1999.
- Horwath, C., Parnell, W.R., Wilson, N.C. & Russell, D.G. (1999). *Attaining optimal bone status: Lessons to be learnt from the National Nutrition Survey data.* Pacific Partners in Nutrition, 2<sup>nd</sup> South-West Pacific Nutrition & Dietetic Conference, Auckland, New Zealand, September, 1999.
- Grainger, A. & Jackson, S.J. *I'm afraid of Americans?: New Zealand's cultural resistance to violence in globally produced sports advertising.* Annual Meetings of the Australian Society for Sports History, Queenstown, New Zealand, 1-5 February, 1999.
- Jackson, S.J. *Sport, globalisation and advertising: Social policy and cultural resistance in New Zealand.* Annual Conference of the International Sociology of Sport Association, Budapest, Hungary, 26-30 June, 1999.
- Johnson, N.D. & Yanai, T. *Prevention of knee injuries in alpine skiing: A theoretical analysis.* Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- McLay, R., Thomson, C. & Rehrer, N. *Carbohydrate loading in female endurance athletes: Effect of menstrual cycle phase.* Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Miyahara, M. *Concept and structure of the Movement Development Clinic.* Invited lecture to the Bewegungsambulatorium, University of Dortmund, Dortmund, Germany, November, 1999.
- Parnell, W.R., Wilson, N.C., Ferguson, E., McKenzie, J. & Russell, D.G. *NNS97. What did our subjects recall?* Pacific Partners in Nutrition, 2<sup>nd</sup> South-West Pacific Nutrition & Dietetic Conference, Auckland, New Zealand, September, 1999.
- Parnell, W.R., Wilson, N.C. & Russell, D.G. *NNS97: Methodological background*

- to the data.* Pacific Partners in Nutrition, 2<sup>nd</sup> South-West Pacific Nutrition & Dietetic Conference, Auckland, New Zealand, September, 1999.
- Pinel, B.A., Enoka, G., Hodge, K.P. & McKenzie, A.D. *Enjoyment in professional sport: A case study.* Association for the Advancement of Applied Sport Psychology Conference, Banff, Canada, 22-26 September 1999.
- Pinel, B.A., McKenzie, A.D., Hodge, K.P. & Enoka, G. *Enjoyment in professional rugby: Getting the best from our players.* Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Ponic, P. *Possibilities for change: State initiatives for women's sport in Canada and New Zealand.* Annual Meeting of the Australian Society for Sports History, Queenstown, New Zealand, 1-5 February, 1999.
- Ponic, P. *Researching a political process.* Researching in Physical Health and Education Conference, Wollongong, Australia, 22-23 May, 1999.
- Potrac, P., Jones, R.L., Armour, K., Brewer, C. & Hoff, J. *'Experience is everything': The acquisition of knowledge by top level English football coaches.* AIESEP '99 World Conference, Besancon, France, 7-9 April, 1999.
- Potrac, P., Jones, R.L., Hoff, J., Armour, K. & Brewer, C. *The acquisition of knowledge by top level Norwegian football coaches.* 5<sup>th</sup> Biennial Forum of the European Network of Sport Sciences in Higher Education, Jyvasklya, Finland, 3-6 September, 1999.
- Rehrer, N.J. *ACSM annual conference report.* Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Rehrer, N.J. *Making the road your home: Travelling tips for sportsmen and sportswomen.* Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Rehrer, N.J. & Vrijens, D.M.J. *Sodium free fluid ingestion decreases plasma sodium during exercise in the heat.* Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Reid, P., Parnell, W.R., Wilson, N.C. & Russell, D.G. *Food and nutrient intake in NNS97. What is unique for NZ Maori?* Pacific Partners in Nutrition, 2<sup>nd</sup> South-West Pacific Nutrition & Dietetic Conference, Auckland, New Zealand, September, 1999.

- Reid, A. & Sleivert, G. (1999). *The effects of concurrent aerobic and anaerobic training versus sequenced training on 80 s cycling performance*. Invited address to the American College of Sports Medicine Conference, Seattle, Washington, USA, June, 1999.
- Rowlands, D.S. & Hopkins, W.G. *Effect of two-week diet changes on metabolism and performance in cycling*. Invited address to the American College of Sports Medicine Conference, Seattle, Washington, USA, June, 1999.
- Russell, D.G., Wilson, N.C. & Parnell, W.R. *Quality control issues in national health monitoring: The 1997 National Nutrition Survey of New Zealand*. Invited address to the Global Issues and Perspectives in Monitoring Behaviors in Populations: Surveillance of Risk Factors in Health and Illness Conference. Atlanta, Georgia, USA, 22-24 September, 1999.
- Ryan, C. & Hodge, K. *Athletic burnout in swimming*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Silk, M. & Jackson, S.J. *Intended ideological practices and unplanned globalisation processes in the media reconstructions of the 1998 Kuala Lumpur Commonwealth Games*. Annual Meetings of the Australian Society for Sports History, Queenstown, New Zealand, 1-5 February, 1999.
- Skeaff, M., Nye, E.R., Faed, J., Mann, J., McKenzie, J., Parnell, W.R., Wilson, N.C. & Russell, D.G. *Cholesterol status of the New Zealand population: Should we be concerned?* Pacific Partners in Nutrition, 2<sup>nd</sup> South-West Pacific Nutrition & Dietetic Conference, Auckland, New Zealand, September, 1999.
- Sleivert, G., Plowman, J., Barrett, N. & Taingahue, M. *Sport technology: Reliability and validity of the Sport Profiler<sup>TM</sup> in evaluating acceleration and maximal velocity during sprint running*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Soos, I. & Thomson, R.W. *Sport and youth culture in Hungary and New Zealand*. Invited address to the International Sociology of Sport Association, Budapest, Hungary, July, 1999.
- Thomson, R.W. *Youth development through sport and leisure: Programming for the future*. Keynote address, International Conference on Games and Sport in Youth Development, Hungarian Academy of Sciences, Pecs, Hungary, October, 1999.

Wilson, B., Pease, D. & Sleivert, G. *Indices of economy for front-crawl swimming*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.

Wilson, B., Pease, D. & Yanai, T. *Determining active drag in swimmers*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.

Wilson, K. & Hodge, K. *Rugby union and professionalism: The effect of extrinsic rewards on player's intrinsic motivation*. 4<sup>th</sup> World Congress of Science and Football, Sydney, Australia, February, 1999.

Wilson, N.C., Wilson, B.D., McKenzie, J., Parnell, W.R. & Russell, D.G. *Figures, facts and fat. Is the size of New Zealanders changing?* Pacific Partners in Nutrition, 2<sup>nd</sup> South-West Pacific Nutrition & Dietetic Conference, Auckland, New Zealand, September, 1999.

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## POSTERS

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Adnan, Y., McKenzie, A.D. & Miyahara, M. *Self-efficacy of quad rugby participants and non-participants*. Association for the Advancement of Applied Sport Psychology Conference, Banff, Canada, 22-26 October, 1999.

Ellis, M.E. & Rehrer, N.J. *Fluid losses and fluid replacement in rugby union*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.

Jones, R.L. & Cassidy, T. *Developing coach education: The case for a more critical approach*. Sports Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.

Miyahara, M. & Register, C. *Perceptions of three terms to describe physical awkwardness in children*. 4<sup>th</sup> Biennial conference on Children with Developmental Coordination Disorder, Groningen, The Netherlands, 7-8 October, 1999.

Morrison, J., Hopkins, W. & Sleivert, G. (1999). *Effect of heat acclimation on endurance performance at normal temperatures in trained cyclists*. American College of Sports Medicine Conference, Seattle, Washington, USA, June, 1999.

- Nicholson, R. & Sleivert, G. *The impact of concurrent resistance and endurance training on distance running performance*. American College of Sports Medicine Conference, Seattle, Washington, USA, June, 1999.
- Palmer, C.D. & Sleivert, G.G. *The reliability of the carbon monoxide rebreathing technique for determining blood volume*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Sleivert, G., Campbell, M. & Sale, D. (1999). *The effect of resistance training on post-activation potentiation of isometric twitches and dynamic voluntary movements*. American College of Sports Medicine Conference, Seattle, Washington, USA, June, 1999.
- Smith, T.B. & Sleivert, G. (1999). *Relationship between thirty minute maximal rowing ergometer performance and blood lactate measures*. American College of Sports Medicine Conference, Seattle, Washington, USA, June, 1999.
- Stone, A.D. & Sleivert, G.G. *The effects of body cooling on running economy in a cold environment*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Taingahue, M., Sleivert, G. & Plowman, J. *Running velocity and force-time characteristics of the initial stages of short sprint performance*. Sport Science New Zealand Conference, Hamilton, New Zealand, 27-29 October, 1999.
- Vrijens, D. & Rehrer, N. *Sodium free fluid ingestion decreases plasma sodium during exercise in the heat*. American College of Sports Medicine Conference, Seattle, Washington, USA, June, 1999.

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## REPORTS

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- Boyes, M.A. & Maxted, J. (1999). *New Zealand Outdoor Instructors Association Membership Survey Report*. A report to NZOIA Executive. School of Physical Education, University of Otago, 45 pp.
- Gerrard, D., Burke, V., Palmer, C., Walmsley, A. & Sleivert, G. (1999). *The Effects of Deer Antler Velvet Extract and Velvet Powder on Exercise Induced Muscle Damage in Male Athletes*. A report to the New Zealand Pastoral Agriculture Research Institute Ltd. Dunedin: Human Performance Centre, University of Otago, 37 pp.
- Sleivert, G., Burke, V., Palmer, C., Walmsley, A. & Gerrard, D. (1999) *The Effects of Deer Antler Velvet Extract and Velvet Powder on the Trainability of Muscular Strength and Endurance*. A report to the New Zealand Pastoral Agriculture Research Institute Ltd. Dunedin: Human Performance Centre, University of Otago, 49 pp.
- Walmsley, A. & Wilson B.D. (1999) *Sport Biomechanics Training at the Institut Sukan Negara*. A report to the National Sports Council of Malaysia. Dunedin: Human Performance Centre, University of Otago, 33 pp.
- Wilson, N.C., Bird, Y., Blakey, C.W. & Russell, D.G. (1999). *Benchmark Data for Key Generic Sports Injury Prevention Questionnaire*. Report No. 99.102, LINZ<sup>®</sup> Activity and Health Research Unit, Dunedin, New Zealand: University of Otago, 87 pp.
- Wilson, N.C., Bird, Y., Blakey, C.W. & Russell, D.G. (1999). *Development of a Generic Sports Injury Prevention Questionnaire*. Report No. 99.99, LINZ<sup>®</sup> Activity and Health Research Unit, Dunedin, New Zealand: University of Otago, 51 pp.
- Wilson, N.C., Blakey, C.W., Parnell, W.R. & Russell, D.G. (1999). *Consumption of Coffee, Tea & Soft Drinks*. Report No. 99.101, LINZ<sup>®</sup> Activity and Health Research Unit, Dunedin, New Zealand: University of Otago, 16 pp.
- Wilson, N.C., Blakey, C.W., Parnell, W.R. & Russell, D.G. (1999). *Fish Consumption*. Report No. 99.100, LINZ<sup>®</sup> Activity and Health Research Unit, Dunedin, New Zealand: University of Otago, 17 pp.

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## EDITORIAL

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- Anson, J.G. Associate editor, *Exercise and Sport Science Reviews*.
- Anson, J.G. Consulting editor, *Journal of Motor Behavior*.
- Anson, J.G. Editor, Abstracts, Australasian Winter Conference for Brain Research (*International Journal of Neuroscience*).
- Anson, J.G. Editorial board member, *Human Movement Science*.
- Anson, J.G. Editorial board member, *Motor Control*.
- Hodge, K.P. Editorial board member, *Psychology of Sport and Exercise*.
- Jackson, S. Editorial board member, *Sociology of Sport Journal*.
- Jones, R. Editor, *Sociology of Sport on Line*.
- Miyahara, M. Editorial board member, *New Zealand Journal of Disability Studies*.
- Russell, D.G. Editorial board member, *Journal of Physiological Anthropology and Applied Human Science*.
- Thomson, R.W. Editorial board member, *Journal of Comparative Physical Education and Sport*.

# CURRENT RESEARCH

## **Dr J.G. Anson**

Neural mechanisms of motor control and memory, particularly those associated with the anatomical, physiological and psychological aspects of reaction time in humans. This interest is pursued in collaboration with honours and postgraduate students at the University of Otago and with: Dr Brian Hyland (Physiology), Dr Jeff Wickens (Anatomy & Structural Biology), and Dr Liz Franz (Psychology), and internationally with Professor T Richard Nichols (Emory University), Professor Mark Latash (Penn State University), Professor Tatsuya Kasai (Hiroshima University), and Professor Digby Elliott (McMaster University).

## **Mr R.J. Batty**

The evaluation of youth sport programmes. Sports management, particularly the planning, staffing and organisation of programmes and events.

## **Dr D.G. Booth**

Work is progressing on three projects: (i) methods and approaches in sport history, (ii) a social history of the beach, and (iii) a social history of sport in Australia. The latter is a collaborative project with Professor Colin Tatz, Macquarie University, Australia.

## **Dr M.A. Boyes**

Outdoor adventure leadership and decision-making; the semantics of outdoor education; outdoor recreation activities survey (joint project with the University of Copenhagen); the role of outdoor education in the New Zealand school health and physical education curriculum.

## **Dr L. Burrows**

Current Research: (i) New Zealand children's constructions of health. This research uses National Education Monitoring Project data to analyse what health and fitness mean to year 4 and year 8 school pupils; (ii) Undergraduate tertiary students' beliefs about Health and Physical Education. This research employs discourse analytic techniques to analyse undergraduate Physical Education students' narratives; (iii) Physical Education curriculum and policy development in New Zealand; (iv) The place and meaning of physical activity in young people's lives. On-going collaborative work with Associate Professor Jan Wright of the University of Wollongong.

### **Mr R. Buck**

In the field of dance education in the school curriculum, I am particularly interested in the tensions between curriculum construction and classroom practices.

### **Ms T. Cassidy**

Primarily my research interest is in gaining insight into the engagement of socially critical pedagogies in physical education generally and physical education teacher education more specifically.

I am an advocate for the use of social theories, particularly structuration theory, as explanatory frameworks for understanding pedagogical phenomenon.

In 1999 I was awarded an Otago Research Grant to contextualise the meaning primary school children make of bullying. Also I am interested in physical education curriculum histories, politics and policies in New Zealand schools.

### **Dr D.F. Gerrard**

The prediction of injury in the pre-adolescent athlete. Given the increase in the numbers of children in sport there is a parallel concern for the frequency of significant injury to immature musculoskeletal systems. Sports such as gymnastics and swimming and activities including dance will be targeted for their high rates of injury. Contemporary investigative technologies such as ultrasonography, computerised tomography (CT) and magnetic resonance imaging (MRI) are anticipated as useful diagnostic tools. Collaboration with the departments of orthopaedics and radiology is strengthening.

### **Mr P.J. Handcock**

Current research: Validation of agility assessment for purposes of fitness assessment and evaluating readiness to return to sport following injury. With Professors L.R.T. Williams and S.J. Sullivan (Physiotherapy) ongoing research investigating possible links between H-reflex modulation and mechanisms of Achilles tendon injury. Research Interests: Musculoskeletal exercise rehabilitation, fitness assessment, Green prescription, Community based exercise programmes.

### **Dr K.P. Hodge**

Sport and LifeSkill Development. In conjunction with Professor Steve Danish (Virginia Commonwealth University, USA) I am involved in the development of a New Zealand version of the "GOAL Life Skills Programme" and a line of research investigating the effects of the GOAL programme on psycho-social development.

In addition, I am involved with Professor Danish in the design and development of a new lifeskills programme: SUPER (Sports United for the Promotion of Education and Recreation).

Motivation Orientations in Sport. In conjunction with Professor Linda Petlichkoff (Boise State University, USA), Professor Lew Hardy (University of Wales, UK) and Dr Austin Swain (Loughborough University, UK) I am involved in the development of a conceptual model and a line of research investigating 'motivational orientations' in sport. We are planning a series of collaborative studies examining goal orientations, goal climates, and goal states in sport.

### **Dr R. Jones**

#### **Research interests**

##### *(1) Toward a sociology of coaching : Understanding the expert coach in top level sport*

Perceiving the need to develop a more holistic understanding of the processes involved in becoming successful in sport, I am presently involved (with colleagues at Brunel University, Loughborough University, South Bank University and the Norwegian University of Science and Technology) in developing a path towards a sociological analysis of coaching. This involves both the use of qualitative and quantitative research methods, with particular emphasis upon systematic observation, ethnography and life-history work. Projects underway towards this end include;

- (a) A comparative study of elite soccer coaches in England and Norway. Using a developed comparative method (Jones & Kidman, 1996), the season-long data gathering phase in England has just been completed.
- (b) A sociological analysis of successful coaches in top-level rugby union has recently been initiated. This project builds on the aforementioned one above, in that not only would it involve an investigation into 'what' coaches do in training, and 'why' they utilise such behaviours, but also 'how' their strategies are understood by their athletes.

##### *(2) Black stereotypes within UK sport*

Having previously published on issues of stacking and centrality (Chappell, Jones & Burden, 1996; Norris & Jones, 1998) within British sport, I am currently investigating the existence of the Black sporting stereotype in the UK, and particularly the role of the media in sustaining it (Jones, 1996; McCarthy & Jones, 1997; McCarthy, Jones & Armour, 1998). Towards this end, research is presently being conducted using verbal content analysis of commentary language, to be followed by focus group discussion with both black and white audiences to discern if differing perceptions of broadcast content is perceived.

### **Dr S. Jackson**

Research interests include Sport and the Media, Sport and Globalisation, Sport and National Identity, Sport Violence, and Sport and Social Policy. Current research projects include Sport, Globalisation and Advertising, and Sport and Cultural Safety.

### **Professor J.W. Loy**

In collaboration with Dr Garry Chick, Pennsylvania State University, I am continuing my research regarding male bonding and sexual violence.

In collaboration with Dr Douglas Booth I am finalising a set of papers on sport and social theory, including the intellectual insights of Bourdieu, Durkheim, Mills and Merton.

In collaboration with Nordic colleagues I am engaged with research about physical culture in general and body culture in particular.

### **Dr A.D. McKenzie**

In collaboration with Dr Rex Thomson and Dr Steven Jackson I am investigating the perceived link between the rugby subculture in New Zealand and attitudes and behaviour towards women.

I am interested in psychological aspects of youth sport. Graduate student projects relating to enjoyment in youth soccer and burnout in junior tennis players are nearing completion.

I am involved in a case-study investigation of enjoyment in professional rugby with Bruce Pinel and Dr Ken Hodge.

### **Dr M. Miyahara**

Two major research areas of mine are developmental motor disorders and motivation. My current research projects include:

1. Dyspraxia and Activities of Daily Living in People with Dementia of Alzheimer Type
2. Functional Asymmetry of Facial Affect Recognition in Children with Autism of Asperger's Type
3. Disabled skiers' beliefs about their participation motivation.

### **Dr N. Rehrer**

Applied sports nutrition.

Physiology of rugby.

Carbohydrate metabolism during exercise.

Fluid and electrolyte balance during exercise.

### **Professor D.G. Russell**

Analysis of National Nutrition Survey database. This database includes information on food and nutrient intakes, dietary habits, anthropometry and blood pressure.

PEAK Project (Project on Elite Athlete Commitment): Work continued on this project in collaboration with Professor Tara Scanlan (UCLA) and extends the Scanlan Model of Sport Commitment by studying elite international athletes.

### **Dr G.G. Sleivert**

Neuromuscular Physiology: I am interested in the specificity of training response, particularly as it applies to power training. Current research utilising the interpolated twitch technique is investigating voluntary motor unit recruitment during force production tasks and the transferability of strength to dynamic power movements. I am also examining the influence of different loading parameters on eliciting muscular hypertrophy versus neural adaptation in the development of strength and power.

Physiology of Middle Distance Running: This research has been directed towards determining aerobic and anaerobic laboratory and field tests for the monitoring of middle distance runners and applying physiological principles to middle distance training programmes. Methods of improving running economy through the use of biological and biomechanical feedback, as well as plyometric exercise are also being studied.

Environmental Physiology: Studying the physiological response of exercising in hot and humid conditions and investigating various strategies for optimal heat acclimatisation.

### **Dr R.W. Thomson**

The analysis of adolescent culture in New Zealand, including the place and relevance of physical activity and sport within youth culture.

Cross-cultural studies of youth participation in collaboration with Associate Professor Istvan Soos, University of Pecs, Hungary.

Research on hegemonic masculinity and the "Kiwi Bloke" - an analysis of historical and contemporary images of masculinity in New Zealand, with Justin Sim.

A collaborative project investigating rugby, gender, and cultural safety with Dr A.D. McKenzie (project leader) and Dr S. Jackson.

### **Professor L.R.T. Williams**

Emphasis remains on mechanisms underlying movement learning and control. Several studies of the role of anticipatory muscle activity in the coordination and control of large movements await writing up. Paradigms include simple RT, choice RT, coincidence timing and serial movement situations where timing, kinematic and electromyographic data are integrated.

Recently completed research includes:

1. Two studies involving trained fencers (with Dr A. Walmsley)
2. Coping style for stress in sport (with Dr M. Anshel)
3. Cognitive style in sport (with Dr M. Anshel)
4. Movement coordination with implications for teaching.
5. Coincidence anticipation timing in a soccer kick.
6. Several other experiments on coincident timing and control of torque.

### **Dr B.D. Wilson**

Recent projects in biomechanics/movement description and analysis include funded studies for New Zealand swimming, paraed (disabled swimming), rugby and netball. Current projects include technique analysis and analysis of drag in swimming. Recent graduate project supervision includes: 3D kinematic analyses in golf, badminton and swimming and analysis of joint forces and torques in sport and industry.

Present Projects in ergonomics' human factors are in work place analyses to reduce mechanical stresses. Graduate project supervision is in intervention strategies for injury prevention in sport and industry. Occasional consultation work in industrial task analysis and workplace design.

### **Dr N.C. Wilson**

Analysis of National Nutrition Survey database. This database includes information on food and nutrient intakes, dietary habits, anthropometry and blood pressure. Injury Prevention: Development of resources for injury prevention and monitoring the impact of such resources.

### **Dr T. Yanai**

Current research topics:

- (a) Three-dimensional analysis of swimming techniques on the basis of Newtonian mechanics.
- (b) Energetics of aquatic activities.
- (c) Mechanical analysis of overuse injuries at shoulder joint.

# GRADUATES 1999

## PhD

Mohagheghi, Amir Ali: *Amplitude and target diameter in motor programming of discrete, rapid aimed movements: Fitts and Peterson (1964), and Klapp (1975) revisited.* Supervisor - Greg Anson

Walmsley, Alan: *The control of multi-joint reading movements.* Supervisors - Les Williams, Barry Wilson.

## MPhEd

Adnan, Yuhani: *Self-efficacy and self-esteem of quad rugby participants and non-participants.* Supervisor - Alex McKenzie

Aitken, Vicki: *Goal states of elite amateur golfers in match play and stroke play performance.* Supervisor - Alex McKenzie

Cresswell, Scott: *Coping skills in elite surf life saving athletes.* Supervisor – Ken Hodge

Humphries, Duncan: *Boarders, punk and ravers: An introduction to the history of commercialised rebellion.* Supervisor – Douglas Booth

Morrison, Joanna: *Heat acclimation: How does it affect performance in a thermonuclear environment.* Supervisor – Will Hopkins

Smith, Barbara: *The effect of iron supplementation on physical performance in mild iron deficient females.* Supervisor – Nancy Rehrer

Tattersall, Kevin: *Lower limb injuries: Functional versus clinical testing.* Supervisor – Phil Handcock

## PGDip

Kelly, Maree: *Servants to ballet: The adolescent dancer and injury management.* Supervisor – Ralph Buck. Distinction.

## **BPhEd (Hons)**

- Barclay, Gary: *Cricket captaincy and self-efficacy: Bridging on-field leadership to sport psychology*. Supervisor – Alex McKenzie. Second Class, Division I.
- Bowe, Sonja: *Memory, target location, and number of targets: Effects on human simple reaction time*. Supervisor – Greg Anson. First Class.
- Brown, Sara: *A quest for insights: Junior female students' experiences of school physical education*. Supervisor – Lisette Burrows. Second Class, Division I.
- Brunel, Owen: *Public service ethos or private business ethics: Local government recreation policy and neo-liberalism*. Supervisor – Doug Booth. Second Class, Division I.
- Ellis, Miriam: *Fluid losses and fluid replacement in rugby union*. Supervisor – Nancy Rehrer. First Class.
- Gardyne, Jaynie. *Goal orientations and motivational climate in physical education*. Supervisor – Ken Hodge. First Class.
- Hay, Andrew: *A method for measuring sagittal range of motion of the lumbar spine*. Supervisor – Toshimasa Yanai. Second Class, Division II.
- Moore, Nicola: *Parental and child goal orientation in sport*. Supervisor – Ken Hodge. Second Class, Division I.
- Pearce, Karen: *Youth-at-risk readiness for therapeutic adventure programmes*. Supervisor – Mike Boyes. Second Class, Division I.
- Pine, Damien: *Show me the money: An analysis of professional rugby contracts*. Supervisor – Rex Thomson. Second Class, Division I.
- Ruchti, Natalie: *Cinderella gymnasts and stepmother coaches: Toward a policy for gymnastics instructors*. Supervisor – Douglas Booth. First Class.
- Smith, Nigel: *Effect of hip position and contraction mode on knee flexor and extensor torques*. Supervisor – Phil Handcock. Second Class, Division I.
- Stone, Aaron: *The effects of cooling on running economy in a cold environment*. Supervisor – Gordon Sleivert. First Class.

Stuart, Gene: *Influence of racket grip size on tennis groundstrokes*. Supervisor – Barry Wilson. Second Class, Division I.

Thorp, Rhys: *Not just for teachers*. Supervisor – Rex Thomson. Second Class, Division I.

## External Grants

A-M. Jutel. French Embassy, Wellington (22,000 French francs). To study feminine self-scrutiny at the Université de Nantes, France.

M. Miyahara Halberg Trust (\$4,000). Movement Development Clinic.

N.C. Wilson ACC – Prime Risk, Injury and Safety Management Limited (PRISM) (\$13,309; \$19,216 & \$708). Development and Establishment of a National Database to Benchmark Sports Injury Prevention Knowledge, Attitude & Behaviour.

## Awards

Dr Nancy Rehrer Fellow of the American College of Sports Medicine.

Dr Douglas Booth North American Society of Sports History Award. Best sports history book. *The race game: Sport and politics in South Africa*, London, Frank Cass, 272 p, ISBN 0-7146-4354-8.

# Professional Consultancy

## Journal Consultancy

International Review for the Sociology of Sport  
Journal of Applied Sport Psychology  
Journal of Comparative Physical Education and Sport  
Journal of Sport and Exercise Psychology  
Journal of Sports Sciences  
Journal of Swimming Research  
Sociology of Sport Journal  
The Journal of Science and Medicine in Sport  
Women in Sport and Physical Activity

## Other Consultancy

Accident Compensation and Rehabilitation Corporation	Ministry for the Environment
Australia and New Zealand Food Authority, Australia	Ministry of Health
Australia Institute of Health and Welfare, Australia	National Heart Foundation
Centers for Disease Control and Prevention, USA	New Zealand Rugby Football Union
Crop and Food Research Ltd	Sport Science New Zealand
Hillary Commission for Sport, Fitness and Leisure	Statistics New Zealand
Impact Consulting Ltd	Te Ropu Haora O Pomare, Wellington School of Medicine
Iowa State University, Des Moines, USA	University of California (Los Angeles), USA
	Waihola District School

## School Seminars 1999

### **5 February**

Professor Denis Massicotte,  
Department of Kinanthropology,  
Québec University.  
*Ergogenic Effects of Carbohydrate  
Ingestion during Prolonged Exercise.*

### **10 February**

Professor Denis Massicotte,  
Department of Kinanthropology,  
Québec University.  
*13c Labelling in Metabolic Studies in  
Humans.*

### **1 March**

Dr Stafford Rorke, School of Health  
Sciences, Oakland University,  
Michigan.  
*Current Issues in Prescribing  
Muscular Strength and Endurance  
Exercise for Specific Target  
Populations.*

### **2 March**

Dr Stafford Rorke, School of Health  
Sciences, Oakland University,  
Michigan.  
*The Utility of a Conceptual  
Framework for Practitioners in  
Exercise/Sport Science.*

### **16 April**

Dr J. Greg Anson, School of Physical  
Education.  
*No Brain, No Movement: Almost!*

### **7 May**

Dr Vernon Andrews, Department of  
American Studies, University of  
Canterbury.  
*African American Expression in  
American Football and Sport or, Why  
Jeff Wilson 'Raises the Roof'.*

### **21 May**

Dr Mike Boyes, School of Physical  
Education  
*Outdoor Adventure Decision Making.*

### **18 June**

Amir Ali Mohaghegi, School of  
Physical Education.  
*Amplitude and Target Diameter in  
Motor Programming of Discrete,  
Rapid Aimed Movements: Fitts and  
Peterson (1964) and Klapp (1975)  
Revisited.*

### **7 July**

Dr Robert Eklund, Department of  
Human Movement and Exercise  
Science, University of Western  
Australia, Perth.  
*Coping with Stress in Sport.*

### **23 July**

Dr Richard Guilianotti, University of  
Aberdeen.  
*Englishness, Popular Culture and the  
Politics of the Neo-tribe: The Case of  
Ashes Cricket and "England's Barmy  
Army".*

**30 July**

Raewyn White, Dance Studies,  
UNITEC, Auckland.

*Choreography, Research and Dance  
Archives.*

**13 August**

Associate Professor Doune  
Macdonald, University of Queensland.

*Cross Disciplinary Research:  
Opportunities and Constraints in the  
Field of Human Movement Studies.*

**20 August**

Dr Carol Brown, Carol Brown Dance  
Company

*Corporealities: Writing the Body in  
Contemporary Choreography*

**10 September**

Dr Larry Lavender, Department of  
Dance and Drama, University of New  
Mexico, USA.

*Dance in the Post-Historical Era*

**17 September**

Dr Motohide Miyahara, School of  
Physical Education.

*Twins and Neonatal Brain Lesions:  
Nature, Nurture, and ???.*

**30 September**

Georgina Beyer, Mayor of Carterton.

*Gender, Gender Surgery, and Related  
Issues.*

**16 November**

Dr Noela C. Wilson, LINZ<sup>®</sup> Activity  
& Health Research Unit

*What have you missed? An  
opportunity to hear recent  
presentations and view posters from  
the Departments of Human Nutrition  
and Physical Education.*