

# Curriculum Vitae



**DAVID ANDREW GRAYSON**

Date of Birth: 26 August 1948

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## ACADEMIC HISTORY

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- 1965 NSW Leaving Certificate (1<sup>st</sup> Class Honours in Maths I and Maths II, 2<sup>nd</sup> Class Honours in Ancient History).
- 1965 NSW High Schools Mathematics Competition (Senior Section - Certificate of Merit).
- 1966 Arts I, University of Sydney (failed).
- 1967 Arts I, University of Sydney (repeated failure; permanently excluded from University of Sydney).
- 1969 Numerical Analysis and Algol Programming, London Institute of Actuaries.
- 1970 Colloquial Vietnamese (Distinction), RAAF School of Languages, Pt. Cook, Victoria.
- 1972 Permanent exclusion from University of Sydney revoked at Senate appeal: Arts I: Maths (Pure and Applied) I, Honours, High Distinction; Psych I, Pass (although finishing in the top 10 of c.900 students, by-laws disallow a higher grade to any repeat student ; see 1966); Elementary Japanese, Pass with Merit.
- 1973 Arts II: Pure Maths II, Pass with Merit; Psychology II, Pass with Merit (unable to be an honours student because by-laws necessitate beyond Pass performance in Psych I);
- 1974 Arts III: Pure Maths III, Pass; Psych III, Distinction; Maths Stats II, Pass;
- 1975 Arts IV: Bachelor of Arts, Honours Class I (Psychology), University of Sydney.
- 1980 Mathematical Statistics III, University of Sydney, High Distinction (awarded this grade despite only being enrolled at Pass level).
- 1981 Mathematical Statistics IV, Stochastic Processes, University of Sydney, (one of six Honours year courses).
- 1984 PhD, University of Sydney. Thesis title: The role of the response stage in stochastic models of simple reaction time.

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## PROFESSIONAL/ACADEMIC BODIES

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- 1984 - 1989 Member of the Australian Society for Psychiatric Research.
- 1988 -1989 Member of the Australian Psychological Society.
- 1984 - Member of the Psychometric Society (USA).
- 1986 - Member of the Statistical Society of Australia.
- 1988 - Member of the International Biometric Society.
- 1995 - Member of the Australian Society for Psychiatric Research.
- 1998 - Accredited Statistician of the Statistical Society of Australia.
- 2000 - Editorial Board, *Understanding Statistics; Statistical Issues in Psychology, Education and the Social Sciences* (Lawrence Erlbaum Associates).

Reviewer for:

Psychometrika  
British Journal of Mathematical and Statistical Psychology  
Social Psychiatry and Psychiatric Epidemiology  
Australian Journal of Psychology  
Chance  
Understanding Statistics

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## **PREVIOUS APPOINTMENTS**

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- 1968-1969 Trainee Actuary, **AMP Society**
- 1969-1971 **Royal Australian Infantry**, conscript (including service in South Vietnam)
- 1980-1983 Part-time Tutor, Department of Psychology, **University of Sydney**
- 1984-1986 Post-doctoral Research Fellow, **NH&MRC Social Psychiatry Research Unit**, Institute of Advanced Studies, Australian National University, Canberra
- 1986-1987 Research Fellow, **NH&MRC Social Psychiatry Research Unit**, Institute of Advanced Studies, Australian National University, Canberra.
- 1988-1990 Lecturer, Department of Psychology, **University of Sydney**.
- 1991-1992 Senior Lecturer, Department of Psychology, **University of Sydney**
- 1993-2000 Senior Lecturer, Department of Medicine, (Research Director and Acting Director of the Centre for Education and Research on Ageing; Concord Repatriation General Hospital), **University of Sydney**.
- 1994-2000 Visiting Honorary Epidemiologist/Biostatistician, **Concord Repatriation General Hospital**.

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## **CURRENT APPOINTMENTS**

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Honorary Associate of the Department of Medicine (Central Clinical School), **University of Sydney**.

Visiting Fellow, NH&MRC Psychiatric Epidemiology Research Centre, **Australian National University**.

Associate Professor (Quantitative Methods), Department of Psychology, **University of Sydney**.

Honorary Senior Research Officer, **Prince of Wales Medical Research Institute**.

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## **WORKSHOPS ATTENDED**

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- 1985 Macquarie University (Norman Breslow). Logistic Regression and Case-Control Analysis.
- 1986 University of New South Wales (Ross Prentice). Survival Analysis.
- 1986 University of Sydney (J.J. McArdle). Structural equation modelling.
- 1987 Cancer Epidemiology Centre (Robert Elston). Genetic Epidemiology and Twin-Study Design.
- 1987 Australian National University (Sir David Cox). Statistical Inference.

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## **TEACHING EXPERIENCE**

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### Undergraduate:

- 1976 - 83 Tutor all years, Department of Psychology, University of Sydney
- 1978 - 80 Part-time Lecturer in General Psychology 1 and 2, University of New South Wales.
- 1988 - 90 Course coordination and lecture preparation, Psychology 2 Statistics, Department of Psychology, University of Sydney.
- 1989 - 92 Course coordination and lecture preparation, Psychology 3 Experimental Design, Department of Psychology, University of Sydney
- 1989 - 92 Course coordination and lecture preparation, Psychology 4 Advanced Statistics, Department of Psychology, University of Sydney.

### Postgraduate:

- 1988 - 92 Statistical adviser for all postgraduate students (and staff), Department of Psychology, University of Sydney.
- 1993 - Postgraduate supervisor (main, associate or informal) for 8 PhD students (3 awarded so far) and 1 MSc student (awarded); Centre for Education and Research on Ageing, University of Sydney; Department of Community Medicine, University of Sydney; Research School of Social Sciences, Australian National University.

### Other:

- 1992 LISREL-modelling workshop presented, Department of Psychiatry, University of Queensland.
- 1999 - Statistical consultant to Lidcombe campus College of Health Sciences.
- 1999 - Postgraduate statistical adviser for Sydney University Postgraduate Research Association.

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## **ADMINISTRATIVE EXPERIENCE**

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- 1994 - 2000 Director of Research, Centre for Education and Research on Ageing (CERA), University of Sydney. In this period publications of CERA staff have risen steadily: 1992 - 8; 1993 - 4; 1994 - 11; 1995 - 23; 1996 - 25; with an ongoing rate of 25-30 p.a. or more.
- 1993 - 2000 Establishment and ongoing maintenance of up-to-date computing facilities at CERA, University of Sydney (involving initial purchases of 20 or so PCs and coordinated software suites; ongoing purchases of 3-4 PCs p.a.; oversight of network connection to Central Sydney Area Health Service, State Health Department fibre-optic backbone, and thus to the University of Sydney, etc.).
- 1996 - 2000 (Acting) Director, CERA, University of Sydney. CERA is a University of Sydney research centre having 20+ associated staff members with (total) annual salaries in excess of \$1,600,000. These staff members are variously affiliated with the University of Sydney, the Inner West Geriatric Rehabilitation Service, RGH Concord; are employed on a range of PHRDC, NHMRC and other research grants; or are employed on privately funded drug trials. In terms of the contributions of these staff to CERA, salaries in excess of \$900,000 accrue to over 18 effective full-time positions. The permanent director, Prof. G.A. Broe, has had study leave from November 1996 to March 1997, and is frequently absent for shorter periods.
- 1999 - 2000 (Acting) Director, CERA, University of Sydney. The long-term Director, Prof. G.A. Broe, resigned in July 1999.
- 2001 - Postgraduate Coordinator, School of Psychology, University of Sydney; member of Faculty of Science Postgraduate Studies Committee.
- 2001 - Chair of Postgraduate Committee, School of Psychology, University of Sydney.
- 2001 - Member of Postgraduate Committee, Faculty of Science, University of Sydney.
- 2000 - 2003 Member of Teaching Committee, School of Psychology, University of Sydney.
- 2002 - 2003 Member of Research Committee, School of Psychology, University of Sydney.

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## RESEARCH FUNDING

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- 1989 \$41,000 from National Health & Medical Research Council (NH&MRC), for "Epidemiological study of psychosocial dysfunction in traumatic stress victims". Chief Investigators: B. O'Toole, R. Marshall, **D.A. Grayson** and R. Schureck.
- 1989 \$15,000 from Australian Vietnam War Veterans' Trust Fund. Same project as above.
- 1990 \$88,000 from NH&MRC. Same project as above.
- 1994 - 6 \$217,000 from PHRDC/NH&MRC, for "A follow-up of the Sydney Inner West Older Persons' Project". Chief Investigators: G.A.Broe, H. Creasey, B. O'Toole, **D.A. Grayson**.
- 1995 - 6 \$84,980 from the Sir Zelman Cowen Universities' Fund (University of Sydney), for "Anti-inflammatory Drugs and Alzheimer's Disease". Chief Investigators: G.A.Broe, **D.A. Grayson**, W.S. Brooks, H. Creasey, G.M. Halliday.
- 1997 - 8 \$42,000 from the Sir Zelman Cowen Universities' Fund (University of Sydney), for "Anti-inflammatory Drugs and Alzheimer's Disease". Chief Investigators: G.A.Broe, **D.A. Grayson**, W.S. Brooks, H. Creasey, G.M. Halliday.
- 1997 - 9 \$253,552 from PHRDC, for "Environmental and Genetic Risk Factors in the Dementias of Old Age". Chief Investigators: G.A.Broe, **D.A. Grayson**, W.S. Brooks.
- 1997 - 9 \$258,338 from NHMRC, for "MRI Correlates of 'Normal' Brain Ageing and Ageing Associated Cognitive Decline". Chief Investigators: G.A.Broe, H. Creasey, **D.A. Grayson**, S. Kos.
- 1997 - 9 \$180,000 from NSW Department of Health R & D Infrastructure Grants (Stream 3) program. To CERA.
- 1998 \$57,065 from Department of Veterans Affairs, for "Older Veterans: Social Supports, Well-being, and Possible Preventions". Chief Investigators: G.A.Broe, **D.A. Grayson**, O. Dent.
- 1999 \$25,000 from Australian Brewers' Foundation Alcohol-related Medical Research Grant Scheme, for "Alcohol Consumption in the Elderly". Chief Investigators: G.A.Broe, **D.A. Grayson**, O. Dent.
- 1999 \$6,000 from Australian Research Committee (Small Grants Scheme), for "Attitude Assessment: a 3-factor Theory of Ratings". Chief Investigators: Joel Michell, **D.A. Grayson**.

- 1999 - 2002 \$600,000 from NSW Department of Health R & D Infrastructure Grants (Stream 3) program. To CERA.
- 2001 - 3 \$86,700 from Australian Research Committee (Large Grants Scheme), for "The Tension Between Qualitative and Quantitative Research Perspectives in Psychology". Chief Investigators: J. Michell, **D.A. Grayson**; Associate Investigators: F. Hibberd, A. Petocz.

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## **PUBLICATIONS: BOOK CHAPTERS**

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### Statistical or technical:

- (1) Marsh, H.W. and **Grayson, D.A.** (1994) Multitrait-multimethod Analysis. In: **International Encyclopedia of Education**. (2nd. ed.), Volume 7. Edited by T. Husen and T.N. Postlethwaite. Pergammon Press, Oxford, U.K., p. 4000-4007.
- (2) Marsh, H.W. and **Grayson, D.A.** (1995) . In: **Structural Equation Modeling: Concepts, Issues, and Applications**. Edited by R.H. Hoyle. Sage, Thousand Oaks, London, p. 177-198.
- (3) **Grayson, D.A.** and Oliphant, G.O. (1996) Multiple inference procedures: problems and solutions. In: **At Once Scientific and Philosophic, A Festschrift for John Philip Sutcliffe**. Edited by C. R. Latimer and J. Michell, Boombana Publications, Brisbane, p. 23-46.
- (4) Oliphant, G.O. and **Grayson D.A.** (1996) Some misconceptions concerning post hoc statistical testing. In: **At Once Scientific and Philosophic, A Festschrift for John Philip Sutcliffe**. Edited by C. R. Latimer and J. Michell, Boombana Publications, Brisbane, p. 47-56.
- (5) Marsh, H.W., Hau, K-T. and **Grayson, D.A.** (2005) Goodness of fit in structural equation modeling. In: "**Contemporary Psychometrics, a Festschrift for Roderick P. McDonald**". Edited by Albert Matdeu-Olivares and Jack J. McArdle, Lawrence Erlbaum Associates, Publishers, Marwah, New Jersey, p. 275-240.

### Substantive:

- (6) Kay, D.W.K., Henderson, A.S. and **Grayson, D.A.** (1987) Prospects for epidemiological research on dementia. In: **Psychiatric Epidemiology: Progress and Prospects**. (edited by B. Cooper). Croom Helm, England.
- (7) O'Toole, B., Marshall, R., **Grayson, D.A.** and Schureck, R. (1995) War and Mental Health. In: **NH&MRC Report: Men and Mental Health**. Edited by Jorm, A., Australian Government Publishing Service, p. 58-69.

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## **PUBLICATIONS: JOURNAL ARTICLES**

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### Statistical or technical:

- (8) Weatherburn, D. and **Grayson, D.A.** (1982) Latency-Probability Functions: A Reply to Pike and Dalglish, **Psychological Bulletin**, 19, 2, 389-392.
- (9) **Grayson, D.A.** (1986) A latent trait analysis of the Eysenck Personality Questionnaire. **Journal of Psychiatric Research**, 20(3), 217-235.
- (10) Duncan-Jones, P., **Grayson, D.A.** and Moran, P.A.P. (1986) The utility of latent trait models in psychiatric epidemiology. **Psychological Medicine**, 16, 391-405.
- (11) **Grayson, D.A.** (1987) Can categorical and dimensional views of psychiatric illness be distinguished? **British Journal of Psychiatry**, 151, 355-361.
- (12) **Grayson, D.A.**, Henderson, A.S. and Kay, D.W.K. (1987) The diagnosis of dementia and depression: a latent trait approach. **Psychological Medicine**, 17, 667-675.
- (13) **Grayson, D.A.** (1987) Confounding confounding. **American Journal of Epidemiology**, 126, 546-553.
- (14) **Grayson, D.A.** (1987) Statistical diagnoses and the influence of diagnostic error. **Biometrics**, 43, 975-984.
- (15) **Grayson, D.A.** (1988) Two-group classification and latent trait theory: scores with monotone likelihood ratio. **Psychometrika**, 53, 383-392.
- (16) **Grayson, D.A.** (1988) Limitations on the use of scales in psychiatry. **Australian and New Zealand Journal of Psychiatry**, 22, 99-108.
- (17) **Grayson, D.A.** (1989) In defence of the odds-ratio. **American Journal of Epidemiology**, 129, 5, 1089-1091.
- (18) **Grayson, D.A.** (1989) Twins raised together: minimising shared environmental variance. **Behavior Genetics**, 19, 4, 593-604.
- (19) **Grayson, D.A.** (1990) The matter of scale. **Behavior Genetics**, 20, 1, 81-89.
- (20) **Grayson, D.A.** (1990) Selection effects and unidimensionality in item response theory. **British Journal of Mathematical and Statistical Psychology**, 43, 207-216.
- (21) Marsh, H. and **Grayson, D.A.** (1990) Public-Catholic differences in the High School and Beyond data: a multi-group structural equation modelling approach to testing mean differences. **Journal of Educational Statistics**, 15, 3, 199-236.
- (22) **Grayson, D.A.** and Marsh, H.W. (1994) Identification with deficient rank loading

- matrices in confirmatory factor analysis: multitrait-multimethod models. **Psychometrika**, 59, 1, 121-134.
- (23) Marsh, H.W. and **Grayson, D.A.** (1994) Longitudinal confirmatory factor analysis: common, time-specific, item-specific and residual error components of variance. **Structural Equation Modeling**, 1, 2, 116-145.
- (24) Marsh, H.W. and **Grayson, D.A.** (1994) Longitudinal stability of latent means and individual differences: a unified approach. **Structural Equation Modeling**, 1, 4, 317-359.
- (25) **Grayson, D. A.**, O'Toole, B.I., Marshall, R. P., Schureck, R.J., Dobson, M., Ffrench, M., Pulvertaft, B. and Meldrum, L. (1996) Interviewer Effects on Epidemiological Diagnoses of Post Traumatic Stress Disorder. **American Journal of Epidemiology**, 144, 6, 589-597.
- (26) **Grayson, D. A.**, Pattison, P.I. and Robins, G. (1997) Evidence, Belief and the "Rejection" of the Significance Test. (Invited paper). **Australian Journal of Psychology**, 49, 64-70.
- (27) **Grayson, D. A.** (1998) The Frequentist Facade and the Flight from Evidential Inference. **British Journal of Psychology**, 89, 325-345.
- (28) Marsh, H.W., Hau, K-T., Balla, J. and **Grayson, D.A.** (1998) Is more ever too much? **Multivariate Behavioral Research**, 33, 181-120.
- (29) **Grayson, D.A.** (1998) Book Review of Basics of Structural Equation Modeling by Geoffrey M. Maruyama, Thousand Oaks, California: SAGE Publications, 1997. **British Journal of Mathematical and Statistical Psychology**, 5-8.
- (30) **Grayson, D. A.** (1998) Latent trait models for validity and reliability with 2x2 tables. **Australian Journal of Psychology (Special edition on Mathematical Psychology)**, 50, 205-212.
- (31) **Grayson, D.A.** (1999) Book Review of Statistical Evidence: a Likelihood Paradigm by Richard Royall, London: Chapman & Hall, 1997. **Chance**, 12, 11-13.
- (32) **Grayson, D.A.**, Mackinnon, A., Jorm, A.F., Creasey, H. and Broe, G.A. (2000). Item Bias in the Center for Epidemiologic Studies Depression Scale: Effects of Physical Disorders and Disability in an Elderly Community Sample. **Journal of Gerontology: Psychological Sciences**, 55, 273-282.
- (33) **Grayson, D.A.** (2001) Common factor models of validity and reliability for use with ordinal data in  $k \times k$  tables. **British Journal of Mathematical and Statistical Psychology**, 54, 347-366.
- (34) Raykov, T. and **Grayson, D. A.** (2003) A test for change of composite reliability in scale development. **Multivariate Behavioral Research**, 38, 143-159.

- (35) **Grayson, D.A.** (2004) Some myths and legends of quantitative psychology. **Understanding Statistics**, 3, 101-134.
- (36) **Grayson, D.A.** (2004) Book Review of Moore, D.S. "Statistics: Concepts and controversies". **Understanding Statistics**, 3, 95-97.

Substantive:

- (37) Kay, D.W.K., Henderson, A.S., Scott, R., Wilson, J., Rickwood, D. and **Grayson, D.A.** (1985) Dementia and depression among the elderly living in the Hobart community: the effect of the diagnostic criteria on the prevalence rates. **Psychological Medicine**, 15, 771-788.
- (38) Henderson, A.S., **Grayson, D.A.**, Scott, R., Wilson, J. Rickwood, D. and Kay, D.W.K. (1986) Social Support, Dementia and Depression among the Elderly Living in the Hobart Community. **Psychological Medicine**, 16, 379-390.
- (39) Goldberg, D.P., Bridges, K., Duncan-Jones, P. and **Grayson, D.A.** (1987) Dimensions of neuroses seen in primary care settings. **Psychological Medicine**, 17, 461-470.
- (40) **Grayson, D.A.**, Bridges, K., Duncan-Jones, P. and Goldberg, D.P. (1987) The relationship between symptoms and diagnoses of minor psychiatric disorder in general practice. **Psychological Medicine**, 17, 933-943.
- (41) Goldberg, D.P., Bridges, K., Duncan-Jones, P. and **Grayson, D.A.** (1988) Detecting anxiety and depression in general medical settings. **British Medical Journal**, 297, 897-899.
- (42) **Grayson, D.A.**, Goldberg, D.P., Bridges, K. and Cook, D. (1990) Validity of diagnostic systems for common mental disorders. **Psychological Medicine**, 20, 1, 209-218.
- (43) Achenbach, T.M., Hensley, V.R., Phares, V.S. and **Grayson, D.A.** (1990) Problems and competencies reported by parents of Australian and American children. **Journal of Child Psychology and Psychiatry and Related Disciplines**, 31, 2, 265-286.
- (44) Goldberg, D.P., Bridges, K., Cook, D., Evans, B. and **Grayson, D.A.** (1989) The influence of social factors on common mental disorders: Destabilisation and restitution. **British Journal of Psychiatry**, 156, 704-713.
- (45) O'Toole, B.I., Marshall, R.P., **Grayson, D.A.**, Schureck, R., Dobson, M., Ffrench, M., Pulvertaft, B., Meldrum, L., Bolton, J. and Vennard, J. (1996) The Australian Vietnam Veterans' Health Study. I. Study Design and Response Bias. **International Journal of Epidemiology**, 25, 2, 307-318.
- (46) O'Toole, B.I., Marshall, R.P., **Grayson, D.A.**, Schureck, R., Dobson, M., Ffrench, M., Pulvertaft, B., Meldrum, L., Bolton, J. and Vennard, J. (1996) The Australian

- Vietnam Veterans' Health Study. II. Self reported health of veterans compared with the Australian population. **International Journal of Epidemiology**, 25, 2, 319-330.
- (47) O'Toole, B.I., Marshall, R.P., **Grayson, D.A.**, Schureck, R., Dobson, M., Ffrench, M., Pulvertaft, B., Meldrum, L., Bolton, J. and Vennard, J. (1996) The Australian Vietnam Veterans' Health Study. III. Psychological Health of Australian Vietnam Veterans and the relationship to combat. **International Journal of Epidemiology**, 25, 2, 331-340.
- (48) Waite, L., Broe, G.A., Creasey, H., **Grayson, D.A.**, Edelbrock, D. and O'Toole, B.I. (1996) Neurological signs, aging and the neurodegenerative syndromes. **Archives of Neurology**, 53, 498-502.
- (49) Cullen, J.S., **Grayson, D.A.** and Jorm, A.J. (1996) Clinical diagnoses and disability in cognitively impaired older persons. **International Journal of Geriatric Psychiatry**, 11, 411-422.
- (50) **Grayson, D. A.**, Marshall, R. P., Dobson, M., O'Toole, B.I., Schureck, R.J., Pulvertaft, B., Ffrench, M. and Meldrum, L. (1996) Australian Vietnam Veterans - Factors contributing to Psychosocial problems. **Australian and New Zealand Journal of Psychiatry**, 30, 600-613.
- (51) Dobson, M., **Grayson, D. A.**, Marshall, R. P. (1996) Conceptualising the outcomes of war exposure. **Medical Journal of Australia**, 165, 3, 175-176.
- (52) Reid, W., Broe, G.A., Creasey, H., **Grayson, D.A.**, McCusker, E., Bennett, H., Longely, W. and Sulway, M. R. (1996) Age of Onset and patterns of Neuropsychological Impairment in Mild Early Stage Alzheimer=s Disease: a study of a community based population. **Archives of Neurology**, 53, 1056-1061.
- (53) Dobson, M., Marshall, R. P. and **Grayson, D. A.** (1996) Subclinical stress responses in Noncombatants. **Journal of Nervous and Mental Disease**, 437-439.
- (54) Dobson, M., **Grayson, D. A.**, Marshall, R. P., O'Toole, B., Leeder, S. and Schureck, R. J. (1996) The impact of a counselling service program on the psychosocial morbidity of Australian Vietnam veterans. **Evaluation Review**, 20, 670-694.
- (55) Bennett, H., Corbett, A., Kos, S. and **Grayson, D. A.** (1996) Mild neurodegenerative disorder and dementia in multiple subcortical infarction. **Hong Kong Journal of Gerontology**, 10S, 58-62.
- (56) Marshall, R.P., **Grayson, D.A.**, Jorm, A.F., O'Toole, B.I. and Dobson, M. (1997) Help seeking in Vietnam veterans: post-traumatic stress disorder and other predictors. **Australian Journal of Public Health**, 21, 211-213.
- (57) Cullen, J.S., **Grayson, D.A.** and Jorm, A.J. (1997) Clinical diagnoses and

disability of cognitively impaired older persons as predictors of stress in their carers. **International Journal of Geriatric Psychiatry**, 12, 1019-1028.

- (58) Waite, L.M., Broe, G.A., Creasey, H., **Grayson, D.A.**, Cullen, J., O'Toole, B.I., Edelbrock, D. and Dobson, M. (1997) Neurodegenerative and other chronic degenerative disorders among people in the community aged 75 and over. **Medical Journal of Australia**, 167, 429-432.
- (59) **Grayson, D. A.**, Dobson, M. and Marshall, R. P. (1998) Current Combat-related Disorders in the absence of PTSD among Australian Vietnam Veterans. **Social Psychiatry and Psychiatric Epidemiology**, 33, 186-192.
- (60) Marshall, R. P., Jorm, A. J., **Grayson, D. A.**, O'Toole, B.I. (1998) Do veterans use more health care services? **Health Cover**, 8, 24-27.
- (61) Dobson, M., **Grayson, D. A.**, Marshall, R. P., O'Toole, B. (1998) Post-War Experiences and Treatment-Seeking Behaviour in a Community Counselling Setting. **Journal of Traumatic Stress**, 11, 579-587.
- (62) Marshall, R. P., Jorm, A. J., **Grayson, D. A.**, O'Toole, B.I. (1998) Health care consumption in Vietnam Veterans: Post-traumatic stress disorder and other predictors. **Psychiatric Services**, 49, 1609-1611.
- (63) Broe, G.A., Jorm, A.F., Creasey, H., **Grayson, D.A.**, Edelbrock, D., Waite, L., Bennett, H., Cullen, J. and Casey, B. (1998) Impact of chronic systemic and neurological disorders on disability, depression and life satisfaction. **International Journal of Geriatric Psychiatry**, 13, 667-673.
- (64) Broe, G. A., Creasey, H., Jorm, A. J., Bennett, H. P., Casey, B., Waite, L., **Grayson, D.A.** and Cullen, J. (1998) Health habits and risk of cognitive impairment and dementia in old age: a prospective study on the effects of exercise, smoking and alcohol consumption. **Australian and New Zealand Journal of Public Health**, 22, 621-623.
- (65) Waite, L., Broe, G. A., Casey, B., Bennett, H. P., Jorm, A. F., Creasey, H., Cullen, J. and **Grayson, D.A.** (1999) Screening for Dementia Using an Informant Interview. **Ageing, Neuropsychology, and Cognition**, 5, 194-202.
- (66) Dent, O.F., Broe, G.A., Creasey, H., Waite, L.M., Cullen, J. and **Grayson, D.A.** (1999) Satisfaction with medical and allied health services among aged people in Sydney. **Australasian Journal of Ageing**, 18, 130-133.
- (67) Dent, O.F., Waite, L.M., Bennett, H.P., Casey, B.J., **Grayson, D.A.**, Cullen, J., Creasey, H. and Broe, G.A. (1999) A longitudinal study of chronic disease and depressive symptoms in a community sample of older people. **Ageing & Mental Health**, 3, 350-356.
- (68) Broe, G.A., Jorm, A.F., Creasey, H., Casey, B., Bennett, H., Cullen, J., Edelbrock, D., Waite, L. and **Grayson, D.A.** (1999) Carer Distress in a General

- Population Sample: Results from the Sydney Older Persons Study. **Age and Ageing**, 28, 307-311.
- (69) Milward, E.A., **Grayson, D.A.**, Creasey, H., Janu, M.R., Brooks, W.S., Broe, G.A. (1999) Evidence for association of anaemia with vascular dementia but not Alzheimer's disease. **Neuroreports**, 10, 2377-2381.
- (70) Broe, G.A., Jorm, A.F., Creasey, H., **Grayson, D.A.**, Edelbrock, D., Waite, L., Bennett, H., Cullen, J. and Casey, B. (1999) Impact of chronic systemic and neurological disorders on disability, depression and life satisfaction - Erratum. **International Journal of Geriatric Psychiatry**, 14, 497-498.
- (71) Dent, O.F., Broe, G.A., Creasey, H., Waite, L.M., Cullen, J. and **Grayson, D.A.** (1999) Transportation needs of community-living older people in Sydney. **Australasian Journal of Ageing**, 18, 186-190.
- (72) Waite, L., **Grayson, D.**, Jorm, A.F., Creasey, H., Cullen, J., Bennett, H., Casey, B. and Broe, G.A. (1999) Informant-based diagnosis and staging using the Clinical Dementia Rating. **Alzheimer Disease and Related Diseases**, 13, 34-37.
- (73) Jorm, A.F., **Grayson, D.A.**, Creasey, H., Waite, L.M. and Broe, G.A. (1999) Long-term benzodiazepine use by elderly people living in the community. **Australian and New Zealand Journal of Public Health**, 24, 7-10.
- (74) Irvine, C. D., **Grayson, D. A.** and Lusby, R. J. (2000) Clinical Governance & the Vascular Surgeon. **British Journal of Surgery**, 87, 766-770.
- (75) Halliday, G.M., Shepherd, C.E., McCann, H., Reid, W. **Grayson, D.A.**, Broe, G.A. and Kril, J.J. (2000) Effect of Anti-inflammatory medications on neuropathological findings in Alzheimer disease. **Archives of Neurology**, 57,831-836.
- (76) Dent, O.F., **Grayson, D. A.**, Waite, L.M., Cullen, J.S., Creasey, H. and Broe, G.A. (2000) Alcohol consumption in a community sample of older people. **Australian and New Zealand Journal of Public Health**, 24, 323-326.
- (77) Waite, L.M., Broe, G.A., **Grayson, D.A.**, Creasey, H. (2000) Motor function and disability in the dementias. **International Journal of Geriatric Psychiatry**, 15, 897-903.
- (78) Dent, O.F., **Grayson, D.A.**, Waite, L.M., Cullen, J.S., Creasey, H., Bennett, H.P., Casey, B.J. and Broe, G.A. (2000) A longitudinal study of alcohol consumption and functional disability in a community sample of older people. **Australasian Journal on Ageing**, 19, 185-189.
- (79) Morgan, L.M., **Grayson, D.A.**, Peters, H.E., Clarke, C.W. and Peters, M.J. (2000) Lung cancer in New South Wales: current trends and the influence of age and sex. **Medical Journal of Australia**, 172, 578-582.

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- (81) Creasey, H., Waite, L.M., **Grayson, D.A.**, Bennett, H.P., Dent, O. and Broe, G.A. (2001) The Impact of the Neurodegenerative Disorders on Ageing: An Overview of the Sydney Older Persons Study. **Australasian Journal of Ageing**, 20, 11-16.
- (82) Broe, G.A., **Grayson, D.A.**, Creasey, H.M., Waite, L.M., Casey, B.J., Bennett, H.P., Brooks, W.S. and Halliday, G.M. (2000) Anti-inflammatory drugs protect against Alzheimer's diseases at low doses. **Archives of Neurology**, 57, 1586-1591.
- (83) Waite, L.M., Broe, G.A., Creasey, H., **Grayson, D.A.**, Edelbrock, D., Cullen, J., Brooks, W.S., Casey, B., Bennett, H. P. (2001) Clinical diagnoses and disability among Community Dwellers aged 75 or over. **Australasian Journal of Ageing**, 20, 67-72.
- (84) Waite, L.M., Broe, G.A., **Grayson, D.A.**, Creasey, H. (2001) The incidence of dementia in an Australian community population. **International Journal of Geriatric Psychiatry**, 16, 680-689.
- (85) Waite, L.M., Broe, G.A., **Grayson, D.A.**, Creasey, H. (2001) Preclinical syndromes predict dementia: the Sydney Older Persons Study. **Journal of Neurology, Neurosurgery and Psychiatry**, 71, 296-302.
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- (89) Piguet, O., Ridley, L., **Grayson, D.A.**, Bennett, H.P., Creasey, H., Lye, T.C. and Broe, G.A. (2003). Are MRI white matter lesions clinically significant in the "old-old"? Evidence from the Sydney Older Persons Study. **Dementia and Geriatric Cognitive Disorders**, 15, 143-150.
- (90) Hu, G-R., Walls, R.S., Bass, D., Bullock, R., **Grayson, D.A.**, Jones, M. and Gebiski, V. (2002) The Chinese herbal formulation Biminne in management of perennial allergic rhinitis: a randomised, double-blind, placebo-controlled, 12-

- week clinical trial. **Annals of Allergy, Asthma and Immunology**, 88, 478-487.
- (91) Bennett, H.P., Corbett, A.J., Gaden, S., **Grayson, D. A.**, Kril, J.J. and Broe, G.A. (2002) Subcortical vascular disease and functional decline: A 6-year predictor study. **Journal of the American Geriatrics Society**, 50, 1969-1977.
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- (93) Edelbrock, D., Waite, L.M, Broe, G.A., **Grayson, D.A.** and Creasey, H. (2003) The relation between unpaid support and the use of formal health services: the Sydney older Persons Study. **Australasian Journal on Ageing**, 22, 2-8.
- (94) Piguet, O., Broe, G.A., **Grayson, D.A.**, Creasey, H., Bennett, H.P., Brooks, W.S. and Waite, L.M. (2003) Vascular risk factors, cognition and dementia incidence over six years in the Sydney Older Persons Study. **Neuroepidemiology**, 22, 165-171.
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- (96) Lye, T.C., Piguet, O., **Grayson, D.A.**, Creasey, H., Bennett, H.P., Ridley, L. and Broe, G.A. (2004) Hippocampal size and memory function in the ninth and tenth decades of life: the sydney older persons study. **Journal of Neurology, Neurosurgery and Psychiatry**, 75, 548-554.
- (97) Griffin, B., Hesketh, B. and **Grayson, D.A.** (2004) Applicants faking good: evidence of item bias in the NEO PI-R. **Personality and Individual Differences**, 36/37, 1545-1558.
- (98) Piguet, O., **Grayson, D.A.**, Tate, R.L., Bennett, H.P., Lye, R.L., Creasey, H., Brooks, W.S. and Broe, G.A. (2005) A model of executive functions in very old community dwellers: evidence from the Sydney Older Persons Study. **Cortex**, 41, 27-37.
- (99) Bennett, H.P., Piguet, O., **Grayson, D.A.**, Creasey, H., Waite, L.M., Broe, G.A. and Halliday, G.M. (2003) A 6-Year Study of Cognition and Spatial Function in the Demented and Non-demented Elderly: The Sydney Older Persons Study. **Dementia and Geriatric Cognitive Disorders**, 16, 4, 181-186.
- (100) Piguet, O., Ridley, L., **Grayson, D.A.**, Bennett, H.P., Creasey, H., Lye, T.C. and Broe, G.A. L.M. (2005) Comparing white matter lesions in T<sub>2</sub> & FLAIR MRI in the Sydney Older Persons Study. **European Journal of Neurology**, 12, 399-402.

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## **PUBLICATIONS: IN PRESS**

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- (101) Marshall, R. P., Jorm, A. J., **Grayson, D. A.**, O'Toole, B.I. (2005) Post-traumatic Stress Disorder and Other Predictors of Medical Service Use by Vietnam Veterans. **Australian and New Zealand Journal of Psychiatry.**
- (102) **Grayson, D.A.** (2005) Might "unique" factors be "common"? On the possibility of indeterminate common-unique covariances. **Psychometrika.**
- (103) Lye, T.C., **Grayson, D.A.**, Creasey, H., Piguet, O., Bennett, H.P., Ridley, L., Kril, J.J. and Broe, G.A. (2005) Predicting memory performance in normal aging using different measures of hippocampal size. **Neuroradiology.**
- (104) Waite, L.M., **Grayson, D.A.**, Piguet, O., Creasey, H., Bennett, H.P. and Broe, G.A. (2005) Gait slowing as a predictor of incident dementia: 6 year longitudinal data from the Sydney Older Persons' Study. **Journal of Neurological Sciences.**
- (105) Bennett, H., Piguet, O., **Grayson, D.A.**, Creasey, H., Waite, L., Lye, T., Corbett, A., Hayes, M., Broe, G.A. and Halliday, G. (2005) Cognitive, Extrapyrmidal, and MRI predictors of Functional Impairment in Non-demented Older Community Dwellers: The Sydney Older Person Study. **Journal of the American Geriatrics Society.**

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## **PUBLICATIONS: SUBMITTED**

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- (106) Shepherd, C.E., Broe, G.A., Creasey, H., Waite, L., **Grayson, D.A.**, Brooks, W.S. and Kril, J.J. (2005) Human leucocyte antigens in Alzheimer disease patients receiving anti-inflammatory medications. **Neurology, Neurosurgery and Psychiatry.**
- (107) Piguet, O., Vidovich, M.R., Bennett, H.P., Broe, G.A., Creasey, H., **Grayson, D.A.** and Waite, L.M. (2005) Informant-based diagnosis of cognitive change in the Sydney Older Persons Study. **Psychological Medicine.**
- (108) Waite, L.M., **Grayson, D.A.**, Creasey, H., Piguet, O., Cullen, J.S. and Broe, G.A. (2005) The burden of illness: Longitudinal disability in the Sydney Older Persons Study. **Journal of Chronic Diseases.**

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## **PUBLICATIONS: REPORTS**

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- (109) Broe, G.A., Dent, O.F., Edelbrock, D., **Grayson, D.A.**, Creasey, H., Waite, L.M., Cullen, J.S., Brooks, W.S. and Dobson, M. (1998) The Nature and Structure of Social Support among Elderly Veterans as compared with general Community Members. Report for the **Department of Veteran Affairs**.
- (110) Dent, O.F., Broe, G.A., Edelbrock, D., **Grayson, D.A.**, Creasey, H., Waite, L.M., Cullen, J.S., Brooks, W.S. and Dobson, M. (1998) Use of Medical, Allied Health and Community Services by Elderly Veterans as compared with general Community Members. Report for the **Department of Veteran Affairs**.
- (111) Dent, O.F., Broe, G.A., Edelbrock, D., **Grayson, D.A.**, Creasey, H., Waite, L.M., Cullen, J.S., Brooks, W.S. and Dobson, M. (1998) Use of Medical, Allied Health and Community Services by Elderly Veterans as compared with general Community Members. Report for the **Department of Veteran Affairs**.
- (112) Broe, G.A., Dent, O.F., Edelbrock, D., **Grayson, D.A.**, Creasey, H., Waite, L.M., Cullen, J.S., Brooks, W.S. and Dobson, M. (1998) Satisfaction with Medical, Allied Health, Professional and Community Services among Elderly Veterans as compared with general Community Members. Report for the **Department of Veteran Affairs**.
- (113) Dent, O.F., Broe, G.A., Edelbrock, D., **Grayson, D.A.**, Creasey, H., Waite, L.M., Cullen, J.S., Brooks, W.S. and Dobson, M. (1998) Characteristics of Social Networks among Veterans and non-Veterans in relation to Marital Status and Sex. Report for the **Department of Veteran Affairs**.
- (114) Dent, O.F., Broe, G.A., Edelbrock, D., **Grayson, D.A.**, Creasey, H., Waite, L.M., Cullen, J.S., Brooks, W.S. and Dobson, M. (1998) Complementarity between Informal Support and Community Services among Elderly Veterans as compared with Community Members. Report for the **Department of Veteran Affairs**.
- (115) Dent, O.F., Broe, G.A., Edelbrock, D., **Grayson, D.A.**, Creasey, H., Waite, L.M., Cullen, J.S., Brooks, W.S. and Dobson, M. (1998) The influence of Disease and Social Factors on the Quality of Life of World War II Veterans and War Widows in old age. Report for the **Department of Veteran Affairs**.
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## **PUBLICATIONS: SHORT COMMUNICATIONS**

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- (117) **Grayson, D.A.** (1986) Assessment of evidence for a categorical view for schizophrenia. **Archives of General Psychiatry**, (Letter) 7, 43, 712.
- (118) Broe, G.A., Creasey, H., Maltby, N., Jorm, A.J. and **Grayson, D.A.** (1994) Letter to the Editor on THA trials. **British Medical Journal**. (Letter)
- (119) Broe, G.A., Creasey, H. and **Grayson, D.A.** (1995) Letter to the Editor on Tacrine efficacy. **Medical Journal of Australia**, 162, 2, 52-53.
- (120) **Grayson, D.A.** (1994) Fundamental problems of statistical inference still unresolved (Abstract). **Australian Journal of Psychology** (EPC'94), p.11.
- (121) Waite, L., Broe, G.A., Creasey, H., **Grayson, D.A.**, Edelbrock, D. and O'Toole, B.I. (1995) Neuroepidemiology of the Aold old $\cong$  (Abstract). **Neurology**, 45, (Suppl 4), A327.
- (122) Waite, L., Broe, G.A., Creasey, H., **Grayson, D.A.**, Edelbrock, D. and O=Toole, B.I. (1995) Neurological signs, ageing and the neurodegenerative syndromes (Abstract). **Australian and New Zealand Journal of Medicine**, 25, 25.
- (123) **Grayson, D.A.**, Marshall, R., Dobson, M., O'Toole, B., Schureck, R., Pulvertaft, B., Ffrench, M., Meldrum, L. (1995) Factors contributing to psychosocial problems of Australian Vietnam Veterans. (Abstract). **Australian Journal of Psychology**, 47, 80.
- (124) **Grayson, D.A.**, Marshall, R., Dobson, M., O'Toole, B., Schureck, R., Pulvertaft, B., Ffrench, M., Meldrum, L. (1995) Gender and counsellor training effects in the detection of PTSD by trained interviewers. (Abstract). **Australian Journal of Psychology**, 47, 79-80.
- (125) Cullen, J. S., **Grayson, D. A.** and Jorm, A. F. (1996) Clinical diagnoses and disability in cognitively impaired older persons. (Abstract). **Australian Journal of Ageing**, 15, 30.
- (126) Dobson, M., Waite, L. M., Broe, G. A., Creasey, H., **Grayson, D. A.** and Casey, B. (1996) SIWOPP: Measuring disability, neurodegenerative disease and service use in community dwellers aged 75+. (Abstract). **Australian Journal of Ageing**, 15, 31.
- (127) Waite, L. M., Broe, G. A., Creasey, H., **Grayson, D. A.**, Cullen, J. and O'Toole, B. I. (1996) Clinician based diagnosis among community dwellers aged 75 or over in Sydney. (Abstract). **Australian Journal of Ageing**, 15, 46.

- (128) Bennett, H.P., Corbett, A.J., Creasey, H., Sulway, M.R., Kos, S., **Grayson, D.A.**, Dent, O., Broe, G.A. (1997) Multiple subcortical infarction and 'age associated cognitive decline'. (Abstract) **Journal of Clinical Neuroscience**, 4, 388-9.
- (129) Reid, W., Broe, G.A., Creasey, H., **Grayson, D.A.**, McCusker, E., Bennett, H., Longely, W. and Sulway, M. R. (1997) Age of onset and neuropsychological impairment in mild early stage Alzheimer's disease. (Abstract) **Journal of Clinical Neuroscience**, 4, 407.
- (130) Broe, G.A., **Grayson, D.A.**, Creasey, H. (1997) Anti-inflammatory drugs and Alzheimer's disease. (Abstract) **Journal of Clinical Neuroscience**, 4, 386.
- (131) Waite, L.M., Broe, G.A., Creasey, H., **Grayson, D.A.**, Cullen, J.S., O'Toole, B., Edelbrock, D., Brooks, W.S. (1997) Systemic and neurodegenerative diagnoses in an elderly community population. (Abstract) **Journal of Clinical Neuroscience**, 4, 410.
- (132) England, J.F., Viles, A. and **Grayson, D.A.** (1998) Metabolic effects of standard short acting tablet preparations of nifedipine and diltiazem in hypertensive subjects given endurance exercise. (Abstract). **Australian and New Zealand Journal of Medicine**, 28, 1, 180.
- (133) Brooks, W.S., **Grayson, D.A.**, Nicholson, G.A., Vale, M., Martins, R.N., Creasey, H., Waite, L.M. and Broe, G.A. (1998). APOE E4 predicts, but anti-inflammatory drugs do not prevent, incident Alzheimer's disease in an elderly community sample. (Abstract). **Neurobiology of Aging**, 19, 4S, S140.
- (134) Broe, G.A., Corbett, A.J., Bennett, H.P., Kril, J.J. and Halliday, G.M., and **Grayson, D.A.** (1998). White matter lesions, cognitive decline and dementia: a 6 year follow up. (Abstract). **Neurobiology of Aging**, 19, 4S, S243.
- (135) Whyte, S., Brooks, W.S., **Grayson, D.A.**, Creasey, H. and Broe, G.A. (1998) Biochemical profile from the Sydney Older Persons' Study Stage 3. **Australian and New Zealand Journal of Medicine**, 28, 4, 494.
- (136) Brooks, W.S., **Grayson, D.A.**, Nicholson, G.A., Vale, M., Martins, R.N., Creasey, H., Waite, L.M. and Broe, G.A. (1998). APOE E4 predicts, but anti-inflammatory drugs do not prevent, incident Alzheimer's disease in an elderly community sample. (Abstract). **Australian and New Zealand Journal of Medicine**, 28, 4, 497.
- (137) Irvine, C.D. and **Grayson, D.A.** (2001). Clinical governance and the vascular surgeon. (Reply). **British Journal of Surgery**, 88, 1, 155.

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## **PUBLICATIONS: IN PREPARATION**

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**Grayson, D.A.** (2004) Aggregation and quantitative methods in psychology: history and issues.

Waite, L.M., Broe, G.A., **Grayson, D.A.**, Creasey, H., Piguet, O. (2004) The incidence of systemic and neurodegenerative diseases: the Sydney Older Persons Study.

Waite, L.M., **Grayson, D.A.**, Creasey, H., Piguet, O., Cullen, J.S. and Broe, G.A. (2004) The burden of illness: Longitudinal disability in the Sydney Older Persons Study.

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## CONFERENCES

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- 1985 Symptoms and diagnoses of minor psychiatric disorder. **Australian Society for Psychiatric Research**, Melbourne.
- 1986 Statistical diagnosis and the influence of diagnostic error. **Statistical Society of Australia**, Adelaide.
- 1987 Latent trait analysis of diagnoses of dementia. **World Psychiatric Association**, Reykjavik, Iceland (with Kay, D.W. and Henderson, A.S.)
- 1989 Confusions about "scales" in psychiatric and genetic epidemiology. **Australian Society for Psychiatric Research / World Psychiatric Association**, Sydney.
- 1990 Interpretation of factors in genetic factor analysis. **Conference on Psychiatric-Genetic Epidemiology**, Sydney.
- 1990 Tests of trend in oneway layouts. **Statistical Society of Australia / International Pacific Statistical Congress**, Sydney.
- 1991 Longitudinal confirmatory factor analysis: common, time-specific, item-specific and residual error components of variance. **Society for Multivariate Experimental Psychology**, Albuquerque, U.S.A. (with Marsh, H.W.)
- 1991 Assessment of exercise performance, free fatty acids and metabolic parameters in hypertensive subjects treated with diltiazem and nifedipine. **Australian Atherosclerosis Society**, Perth; **High Blood Pressure Research Council of Australia**, Adelaide (with England, J.F., Viles, A., Williamson, E. and Smith, H.).
- 1993 3 Papers on the AUSTRALIAN VIETNAM VETERANS' HEALTH STUDY: Overview and profile of non-responders; Comparison of veteran and community illnesses; interviewer effects in diagnoses of PTSD. **International Epidemiology Association**, Sydney (with O'Toole, B.I., Marshall, R.P. and Schureck, R.).
- 1993 The role of "populations" in Psychology and Statistics. **6th Australian Mathematical Psychology Conference**, Newcastle.
- 1993 Identification results in MTMM CFA models. **6th Australian Mathematical Psychology Conference**, Newcastle (with Marsh, H.W.).
- 1994 Problems in Statistical Inference. **Experimental Psychology Conference**, Sydney.

- 1995 Clinical Audit of a Psychogeriatric Unit within an Acute Hospital. **5th National Conference Alzheimer's Association Australia**, Brisbane (with Gerry, S. and Cullen, J.)
- 1995 Neurological Signs, Ageing and the neurodegenerative syndromes. **Australian Society for Geriatric Medicine**, Gold Coast (with Waite, L.M., Broe, G.A., Creasey, H., Edelbrock, D. and O'Toole, B.I.)
- 1995 Aetiological Models of Vietnam Veteran Psychosocial Morbidity. **Australian Psychological Society Conference**, Perth (Sole presenter).
- 1995 Interviewer Effects in PTSD Diagnoses. **Australian Psychological Society Conference**, Perth (Sole presenter).
- 1995 Aetiological Models of Vietnam Veteran Psychosocial Morbidity. **Australasian Society for Psychiatric Research**, Melbourne (Sole presenter).
- 1995 "Clayton's" PTSD. **Australasian Society for Psychiatric Research**, Melbourne (Sole presenter).
- 1995 Causes of Domestic Violence in Vietnam Veterans (with French, M.). **Public Health Association of Australia Conference**, Cairns.
- 1995 Evaluation of the Vietnam Veterans' Counselling Service (with Dobson, M.). **Public Health Association of Australia Conference**, Cairns.
- 1995 Partitions and Effects in regression models. **7th Australian Mathematical Psychology Conference**, Melbourne (Sole presenter).
- 1995 Mild neurocognitive disorder and dementia in multiple subcortical infarction. **5th Asia/Oceania Regional Congress of Gerontology**, Hong Kong (with Bennett, H., Corbett, A. and Kos, S.).
- 1996 The impact of Fisherian statistics on psychological science. **27th European Mathematical Psychology Meeting**, Padua, Italy (Sole presenter).
- 1996 Anti-inflammatory drug usage and Alzheimer's disease. **University of Sydney Medical Faculty Meeting**, Wollongong (with Broe, G.A., Creasey, H., Waite, L., Edelbrock, D.).
- 1997 Systemic and neurodegenerative diagnoses in an elderly community population. **Australian Association of Neurologists and the British Society of Neurologists Annual Scientific Meeting**. (with Waite, L.M., Broe, G.A., Creasey, H., Cullen, J.S., O'Toole, B., Edelbrock, D., Brooks, W.S.).

- 1997 Anti-inflammatory drugs and Alzheimer's disease. **Australian Association of Neurologists and the British Society of Neurologists Annual Scientific Meeting.** (Presenter; with Broe, G.A., Creasey, H.).
- 1997 Multiple subcortical infarction and 'age associated cognitive decline'. **Australian Association of Neurologists and the British Society of Neurologists Annual Scientific Meeting.** (with Bennett, H.P., Corbett, A.J., Creasey, H., Sulway, M.R., Kos, S., Dent, O., Broe, G.A.)
- 1997 Age of onset and neuropsychological impairment in mild early stage Alzheimer's disease. **Australian Association of Neurologists and the British Society of Neurologists Annual Scientific Meeting.** (with Reid, W., Broe, G.A., Creasey, H., McCusker, E., Bennett, H., Longely, W. and Sulway, M. R.)
- 1997 Latent variable models of validity and reliability in 2x2 tables. **8th Australian Mathematical Psychology Conference,** Perth (Sole presenter).
- 1998 APOE E4 predicts, but anti-inflammatory drugs do not prevent, incident Alzheimer's disease in an elderly community sample. **6th International Meeting on Alzheimer's Disease and Related Disorders,** Amsterdam (with Brooks, W.S., Nicholson, G.A., Vale, M., Martins, R.N., Creasey, H., Waite, L.M. and Broe, G.A.)
- 1998 White matter lesions, cognitive decline and dementia: a 6 year follow up. **6th International Meeting on Alzheimer's Disease and Related Disorders,** Amsterdam (with Broe, G.A., Corbett, A.J., Bennett, H.P., Kril, J.J. and Halliday, G.M.)
- 1998 Biochemical profile from the Sydney Older Persons' Study Stage 3. **Annual Scientific Meeting of the Australian Society for Geriatric Medicine,** Melbourne (with Whyte, S., Brooks, W.S., Creasey, H. and Broe, G.A.)
- 1998 APOE E4 predicts, but anti-inflammatory drugs do not prevent, incident Alzheimer's disease in an elderly community sample. **Annual Scientific Meeting of the Australian Society for Geriatric Medicine,** Melbourne (with Brooks, W.S., Nicholson, G.A., Vale, M., Martins, R.N., Creasey, H., Waite, L.M. and Broe, G.A.)
- 1999 Anaemia associates with vascular dementia but not Alzheimer's disease. **Australian Neuroscience Society** (19th annual meeting, Hobart, 31Jan-3Feb). (with Milward, E.A., Creasey, H., Janu, M.R., Brooks, W.S. and Broe, G.A.)
- 1999 Results on identification in multitrait-multimethod models. **9th Australian Mathematical Psychology Conference,** Brisbane (Sole presenter).
- 1999 Probability, the APA Task Force, and "Evidence Based Medicine". **9th Australian Mathematical Psychology Conference,** Brisbane (Sole presenter).

- 2001 Results on identification in exploratory factor analysis models. **10th Australian Mathematical Psychology Conference**, Newcastle, December, 2001 (Sole presenter).
- 2001 Pearson, evolution and selection: history and implications. **10th Australian Mathematical Psychology Conference**, Newcastle (Sole presenter).
- 2003 Problems with Factor Analysis. **11th Australian Mathematical Psychology Conference**, Sydney (Sole presenter).

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## INVITED PRESENTATIONS

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- 2000 Statistical Inference in Psychology, Department of Psychology Colloquium, University of Melbourne (April).
- 2000 Statistical Inference in Psychology, Department of Psychology Colloquium, Deakin University, Burwood (September).
- 2000 Statistical Inference in Psychology, Department of Psychology Colloquium, Deakin University, Geelong (September).
- 2000 Statistical Inference in Psychology, Department of Psychology Colloquium, La Trobe University, Melbourne (September).
- 2000 Statistical Inference in Psychology, Department of Psychology Colloquium, Ohio State University, Columbus, Ohio, USA (December).
- 2000 Services' Usage by the Elderly in Sydney, Australia, Department of Geriatrics Colloquium, University of Colorado, Denver, Colorado, USA (December).
- 2001 Quantitative Methods in Psychology: History and Problems. First J. P. Sutcliffe Symposium on Quantitative Methods, University of Sydney (February).
- 2002 Score Indeterminacy in Factor Analysis, Department of Psychology, Catholic University of Leuven, Leuven, Belgium (December).
- 2002 Factor analysis: can the presence of "common" and "unique" factors be confirmed? 12<sup>th</sup> International IOPS Conference, Ede, Holland, (December).
- 2003 Factor analysis: can the presence of "common" and "unique" factors be confirmed? Department of Methodology and Statistics, University of Tilburg, Holland (January).
- 2003 Myths and Legends in Quantitative Psychology, Institut für Psychologie, Otto-von-Guericke-Universität, Magdeburg, Germany (January).
- 2003 Factor analysis: can the presence of "common" and "unique" factors be confirmed? Department of Mathematics and Statistics, University of Sydney, (August, 2003).

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## **ADVISING AND CONSULTATION**

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- 1993 - 5 To: Dementia Demonstration Project (Director: Kratuik, S.).
- 1994 To: Advanced Trainees in Geriatric Medicine (Convenor: Waite, L.).
- 1995 To: Australian Catholic University (PhD student: MacGibbon, M.).
- 1995 To: Inner West Respite Working Party (Coordinator: Davis, M.).
- 1996 To: Mr. Tony Williams, post-graduate student in Educational Counselling, Charles Sturt University, Bathurst)
- 1996 To: Dr. George Tsoni, Royal Prince Alfred Hospital
- 1997 To: Dr. Nalin Singh, Royal Prince Alfred Hospital
- 1997 To: A/Prof. Garth Nicholson, Molecular Genetics, RGH Concord
- 1997 To: Professor Judy Lumby, Nursing, University of Sydney, at RGH Concord
- 1998 To: Dr. Les Barnsley, Rheumatology, RGH Concord
- 1998 To: Professor Ben Freedman, Cardiology, University of Sydney, at RGH Concord
- 1999 To: Dr. Matthew Peters, Respiratory Physician, University of Sydney, at RGH Concord
- 1999 To: Professor Joe Rey, Adolescent Psychiatrist (but middle-aged), Rivendell, Concord

In terms of skills and expertise, my strongest areas are:

- Structural Equation Modelling (LISREL)
- Factor Analysis
- Questionnaire construction
- Psychometrics
- Experimental Design
- Observational Studies
- Statistical Inference and Evidence