

University of Auckland
Short
ACADEMIC CV



THE UNIVERSITY OF AUCKLAND
NEW ZEALAND

NAME: Christopher J. Wild

CURRENT POSITION: Professor

DEPARTMENT: Statistics

FACULTY: Science

EDUCATIONAL QUALIFICATIONS: [Tertiary only]

1974 University of Auckland, B.Sc., Mathematics and Statistics
 1976 University of Auckland, M.Sc. (1st Class Honours), Mathematics and Statistics
 1979 University of Waterloo, Ph.D., Statistics

PREVIOUS APPOINTMENTS:

1976 Junior Lecturer, Department of Mathematics
 1979-1982 Lecturer, Department of Mathematics
 1983-1993 Senior Lecturer, Department of Mathematics and Statistics
 1994-1998 Associate Professor, Department of Statistics
 1998 – Personal Chair
 2003-2007 Head of the Department

SIGNIFICANT DISTINCTIONS / AWARDS:

- Fellow of the *American Statistical Association*
- Fellow of the *Royal Society of New Zealand*
- Elected Member of the *International Statistical Institute*
- Read paper, Royal Statistical Society October 2010
- Fellow of the *Royal Statistical Society*
- Member of NZ's Academy of Tertiary Teaching Excellence
- National Tertiary Teaching Excellence Award (2003)
- 2 University Tertiary Teaching Excellence Awards (sustained excellence and collaboration) (2002)
- University Distinguished Teaching Award (1994)

Keynote/Plenary Addresses include:

- 2012 Priestman Memorial Lectures (Annual Public Lecture series of the U. of New Brunswick)
- 2011 *Canadian Mathematical Society*, Toronto
- 2010 *Australian Statistical Conference*, Perth
- 2009 *Statistical Society of Canada (Presidential Invited Address)*, Vancouver
- 2009 *US Conference on Teaching Statistics*, Columbus Ohio
- 2009 *6th Research Forum on Statistical Reasoning, Thinking and Literacy*, Brisbane
- 2006 *7th International Conference on the Teaching of Statistics*, Salvador Brazil
- 2005 *4th Research Forum on Statistical Reasoning, Thinking and Literacy*, Auckland
- 2004 *Royal Statistical Society*, Manchester UK
- 2003 *Interamerican Statistical Institute*, Rio de Janeiro

PROFESSIONAL SOCIETIES / SERVICE / OTHER ACTIVITIES:**Profession
(Recent)**

2005-2009 Council Member of the International Statistical Institute
 2005-2007 *Past-President* of the International Association for Statistics Education (IASE)
 2003-2005 *President* of the International Association for Statistics Education (IASE)
 2001-2003 *President Elect* of the International Association for Statistics Education (IASE)

Editorial:

2009 – (co-)Editor, *International Statistical Review*
 2007 Guest Editor, *International Statistical Review*, Issue 3

Associate Editorships:

2001 – 2009 *International Statistical Review* (flagship journal of the International Statistical Institute)
 2001 – 2005 *Statistics Education Research Journal*
 1998 – 2003 *Australian and New Zealand Journal of Statistics*
 1997 – 2000 *Biometrics* (flagship journal of the International Biometric Society)
 2003 – Website Editor, International Association for Statistical Education

Miscellaneous:*Current*

- Fellowship Selection Panel, Royal Society of New Zealand, 2011
- Mathematical & Information Sciences Selection Panel, Royal Society of New Zealand, 2009 – 2013
- Mathematical & Information Sciences Panel, Marsden Fund, 2010 – 2013
- IASE Nominating Committee, 2009, 2011
- Publications Committee of International Statistical Institute, 2008 –
- International Statistical Review Taskforce, 2008 –9
- Co-Director CensusAtSchool NZ 2003 –
- International CensusAtSchool Committee, 2007 –
- Search Committee for co-Editor of the *Statistics Education Research Journal* 2011
- Advisory Committee, International Statistical Literacy Project 2002 –

Past

- Education Committee of Statistical Society of Canada, 2009 -11
- International Statistical Institute Rapid Research Communications Journal Taskforce 2009 – 11
- Organiser of Plenary Debate for ICOTS 8, 2010
- Session Organiser for ICOTS 8, 2010
- IASE Programme Committee for ISI 57 in Durban 2009
- ISI Website Taskforce, 2008 –9
- International Advisory Group for Australian Teaching and Learning Council Fellowship “The teaching and assessment of statistical thinking within and across disciplines”, 2007–8
- International member of the Advisory Committee for the Applied Statistics Education and Research Collaboration, Australia, 2008
- Chair of Search Committee for co-Editor of the *Statistics Education Research Journal* 2007
- Nominating Committee, International Association for Statistics Education 2006-7
- Chair of Search Committee for Director of the *International Statistical Literacy Project* 2006
- Chair of Search Committee for co-Editor of the *Statistics Education Research Journal* 2005
- ISI 56 IASS (International Association for Survey Sampling) Programme Committee for Lisbon 2007
- ISI 56 Programme Co-ordinating Committee for Lisbon 2007

- NZ Statistics Curriculum NZSA etc Working Group, 2006-7
- ISI 55 Programme Co-ordinating Committee for Sydney 2005
- ISI 55 IASE Programme Chair for Sydney 2005
- ISI55 IASS (International Association for Survey Sampling) Programme Committee for Sydney 2005
- Programme Chair for IASS Satellite Conference on Complex Sampling, Retrospective Sampling and Missing Data, Auckland 2005
- Advisory Committee, 4th International Research Forum on Statistical Reasoning, Thinking, and Literacy, 2005
- ISI 54 IASE Programme Committee for Berlin 2003
- Advisory Committee, 3rd International Research Forum on Statistical Reasoning, Thinking, and Literacy, 2003
- Scientific Committee for 7th International Conference on the Teaching of Statistics, 2006
- Australia Statistics Conference 16 (2002), Programme Committee
- Australasian Region of Biometric Society / NZ Statistical Association, 2001 Programme Committee
- IASE Executive 2001 – 2007

Refereeing for

Annals of Statistics, Applied Statistics, Applied Stochastic Models for Business and Industry, Biometrics, Biometrika, Journal of the American Statistical Association, Journal of the Royal Statistical Society, Journal of Official Statistics, Journal of Statistical Planning and Inference, Statistics in Medicine, The Annals of Statistics, The American Statistician, The Canadian Journal of Statistics, The International Statistical Review, The New Zealand Statistician, The Australian and New Zealand Journal of Statistics, Statistics Education Research Journal, Natural Sciences and Engineering Research Council of Canada Grants

Other Universities

2006	Review of Statistics and Research Methods, University of Newcastle, 2006
2006	External for University of Waikato Chair Search
2006	External for Massey University Chair Search
2002	Review of Dept of Mathematics and Statistics, University of Otago

University (Recent)

2011	Review Committee for postgraduate programmes in the Business School
2010 –	University of Auckland Research Committee
2010 –	Personalisation Programme Steering Group
2010 –	Chair, Personalisation Programme Reference Group
2009 –	PBRF Committee/ PBRF Advisory Group
2009	Socio-economic Status Working Group
2009	New Heads Induction (panellist)
2004 –10	Administration Review Committee
2008	Chair of Review Committee for Department of Marketing
2007 –	Academic Review Group, Starpath Project
2006	Chair of Review Committee for the Research Administration Function
2006	Interview Panel for Deputy Director Starpath
2006	Interview Panel for HR Deputy Director (Development)
2006	Vice Chancellor's Rep for selection of Chair in Education
2006	Mathematical and Information Sciences Panel for PBRF (internal mirror panel)
2005	Selection Panel, UoA Teaching Excellence Awards
2005	Review Committee for the Finance Function
2004 – 2006	Vice Chancellor's Academic Heads Advisory Group
2004 – 2008	HoD Mentor
2006	Programme Leader for Heads Development and Support Programme
2005	Workshop For Academic Heads - "Academic Heads' Role in Performance Reviews"
2005	New Heads Mentoring Workshop panellist
2005	June "Talking Heads" Workshop panellist
2005	Midyear New Heads Induction (Chair)
2003 – 2006	Board of Studies for General Education as representative of the Professoriate
2003	Management, Commerce, Business Administration and Marketing Panel for PBRF (internal mirror panel)
2003	Review Committee for Department of Engineering Science
2002	Medicine, Science and Engineering Taskforce

TEACHING:**Highlights**

- Leading the Stage 1 Introductory Statistics Teaching Team to win a 2003 **national Tertiary Teaching Excellence Award**. (Ten awards were made nationwide and this was the first such award won by the University of Auckland.)
- Leading the Stage 1 Introductory Statistics Teaching Team to win two 2002 University of Auckland **Teaching Excellence Awards**, one for *Sustained Excellence* (over a 6 year period) and one for *Collaboration*. This was the first year of a new awards system and only 5 awards were made in total.
- Leading the 1994 Stage 1 Statistics teaching team of 13 lecturers to a University of Auckland **Distinguished Teaching Award**
- Inaugural **Director's Award For Teaching Excellence** from the School of Mathematical and Information Sciences
- Co-author with G.A.F. Seber of the following books published by John Wiley & Sons, New York
 - *Nonlinear Regression*, a research-level text (758 pages)
 - *Chance Encounters: a first course in data analysis and inference*
 - textbook for first-year university course (611 pages)
 - *Instructors/Solutions Manual* (207 pages)
 - plus an extensive website

RESEARCH SPECIALTIES / CAREER:**Books:**

Seber, G.A.F. and Wild, C.J. *Nonlinear Regression*, Pub: Wiley, New York, 1989, 768 pages (2000 citations on ISI Web of Knowledge and 2900 on Google Scholar).

Paperback Edition, 2003.

Wild, C.J. and Seber, G.A.F. *Chance Encounters: A first course in data analysis and inference*, Pub: Wiley, New York, 2000, 611 pages

Encontros Com O Acaso: Um Primeiro Curso de Análise de Dados e Inferência (translation into Portuguese by Livros Tecnicos E Cientificos Editora, 2003)

Wild, C.J. and Seber, G.A.F., *Instructor's Manual for 'Chance Encounters'*, Pub: Wiley, New York, 2000, 207 pages

Refereed Journal Articles:

Scott A.J. and Wild C.J. Fitting regression models with response-biased samples. *Canadian Journal of Statistics*, **39**, 519–536, 2011.

Jiang Y., Scott A.J., Wild C.J. Adjusting for non-response in population-based case control studies. *International Statistical Review*, **79**(2), 145–159, 2011.

Wild, C.J., M. Pfannkuch, M., Regan, M. and Horton, N.J. Towards more accessible conceptions of statistical Inference (with Discussion). *Journal of the Royal Statistical Society A*, **174**, 247–295, 2011. *Read to the Royal Statistical Society on World Statistics Day, 20 October 2010.*

Arnold, P., Pfannkuch, M., Wild, C.J., Regan, M. Budgett, S. Enhancing students' inferential reasoning: From hands-on to "movies". *Journal of Statistics Education*, **19**(2). 32 pages, 2011, <http://www.amstat.org/publications/jse/v19n2/pfannkuch.pdf>

Scott A.J. and Wild C.J. Discussion of "Connections between Survey Calibration Estimators and Semiparametric Models for Incomplete Data" by T. Lumley, P.A. Shaw, and J.Y. Dai. *International Statistical Review*, **79**(2), 228–230, 2011.

Konold, C., Madden, S., Pollatsek, A., Pfannkuch, M., Wild, C., Ziedins, I., Finzer, W., Horton, N.J., and Kazak, S. Conceptual challenges in coordinating theoretical and data-centered estimates of probability. *Mathematical Thinking and Learning*, **13**: 68–86, 2011.

- Pfannkuch, M., Regan, M., Wild, C., Budgett, S., Forbes, S., Harraway, J. and Parsonage, R. Inference and the introductory statistics course. *International Journal of Mathematical Education in Science and Technology*, **42**(7), 903–913, 2011.
- Wild, C.J. Discussion of Davies (2011). *Statistical Journal of International Association for Official Statistics*, **27**(3/4), 231–233, DOI: 10.3233/SJI20110739.
- Lee, A.J., Scott, A.J. and Wild, C.J. Efficient estimation in multi-phase case-control studies *Biometrika*, **97**, pp. 361–374, doi: 10.1093/biomet/asq009, 2010.
- Pfannkuch, M., Regan, M., Wild, C. and Horton, N.J. Telling Data Stories: Essential Dialogues for Comparative Reasoning. *Journal of Statistics Education*, **18**(1), 38 pages, 2010. [Winner of inaugural JSE Best Paper Award.] www.amstat.org/publications/jse/v18n1/pfannkuch.pdf.
- Nixon, GM, Thompson, J.M.D., Han, D.G., Becroft, D.M.O., Clark, P.M., Robinson, E., Waldie, K.E., Wild, C.J., Black, P.N. and Mitchell, E.A.. Falling asleep: the determinants of sleep latency. *Archives of Disease in Childhood*, **94**(9), 686-689, 2009. doi:10.1136/adc.2009.157453.
- Theodore RF, Thompson JMD, Waldie KE, Becroft DMO, Robinson E, Wild CJ, Clark PM, and Mitchell EA. Determinants of cognitive ability at 7 years: A longitudinal case-control study of children born small-for-gestational age at term. *European Journal of Pediatrics*, , **168**(10):1217-1224, 2009.
- Jiang, Y., Scott, A.J. and Wild, C.J., Case-control analysis with a continuous outcome variable, *Statistics in Medicine*, **28**, 194-204, 2009.
- O'Brien T.P., Thompson JMD, Black PN, Becroft DMO, Clark PM, Robinson E, Waldie KE, Wild CJ, and Mitchell EA. Prevalence and determinants of cytomegalovirus infection in preschool children. *Journal of Paediatrics and Child Health*, **45**, 291-296, 2009.
- Nixon GM, Thompson JMD, Han, DY, Becroft DMO, Clark PM, Robinson E, Waldie KE, Wild CJ, Black PN and Mitchell EA. Short Sleep Duration in Middle Childhood: Risk Factors and Consequences. *SLEEP*, **31**, 71-78, 2008.
- Wild, C.J. Virtual Environments and the Acceleration of Experiential Learning. *International Statistical Review*, **75**, 322-335, 2007.
- Scott, A.J., Lee, A.J and Wild, C.J., On the Breslow-Holubkov estimator. *Lifetime Data Analysis*, **13**, 545-563, 2007.
- Scott, A. and Wild, C. Methods for stratified cluster sampling with informative stratification. *Journal of Applied Mathematics and Decision Sciences*, vol. 2007, Article ID 56372, 12 pages, 2007. doi:10.1155/2007/56372..
- Slykerman RF, Thompson JMD, Clark PM, Becroft DMO, Robinson E, Pryor JE, Wild CJ and Mitchell EA. Determinants of Developmental Delay in Infants Aged 12 Months. *Paediatric and Perinatal Epidemiology*, **21**, 121–128, 2007.
- Blair NJ, Thompson JMD, Black PN, Becroft DMO, Clark PM, Han DY, Robinson E, Waldie KE, Wild CJ, Mitchell EA. Risk factors for obesity in 7-year-old European children: the Auckland Birthweight Collaborative Study. *Archives of Disease in Childhood*, **92**(10), 866-871, 2007.
- Mitchell, E.A., Robinson, E., Black, P.N., Becroft, D.M.O., Clark, P.M., Pryor, J.E., Thompson, J.M.D., Waldie, K.E., Wild, C. J. Risk factors for asthma at 3.5 and 7 years of age. *Clinical and Experimental Allergy*, **37**(12), 1747-1755, 2007.
- Wild, Chris. The concept of distribution. *Statistics Education Research Journal*, **5**(2), 10-26, 2006. [Online: www.stat.auckland.ac.nz/serj/] [Invited lead article.]
- Theodore RF, Thompson J M, Wall C R, Becroft D M, Robinson E., Clark P M, Pryor J E, Wild C J, Mitchell E A. Dietary patterns of New Zealand European preschool children. *New Zealand Medical Journal*; **119** no 1235, 10,pages, 2006. URL: <http://www.nzma.org.nz.ezproxy.auckland.ac.nz/journal/119-1235/1998>
- Lee, A.J, Scott, A.J. and Wild, C.J., “Fitting binary regression models with case-augmented samples”, *Biometrika*, **93**, 385–397, 2006.
- Neuhaus, J., Scott, A.J. and Wild, C.J., “Family-specific approaches to the analysis of retrospective family data”, *Biometrics*, **62**, 488-494, 2006.
- Jiang, Y., Scott, A.J. and Wild, C.J., “Secondary analysis of case-control data”, *Statistics in Medicine*, **25**, 1323-1339, 2006.
- Wild C. “Education is everybody's responsibility”, *International Statistical Review*, **73**(2), 213-4, 2005.
- Slykerman, R.F., Thompson, J.M.D., Becroft, D.M.O., Robinson, E., Pryor, J.E., Clark, P.M, Wild, C.J. and Mitchell, E.A. “Breastfeeding and intelligence of preschool children”, *Acta Pædiatrica*, **94**(7), 832-837, 2005.

- Slykerman R.F., Thompson J.M.D., Pryor J.E., Becroft D.M.O., Robinson E., Clark P.M., Wild C.J., Mitchell E.A. Maternal stress, social support and preschool children's intelligence. *Early Human Development*, **81**, 815-821, 2005.
- Purvis, D.J., Thompson, J.M.D., Clark, P.M., Robinson, E., Black, P.N., Wild, C.J. and E.A Mitchell "Risk factors for atopic dermatitis in New Zealand European children at 3-5 years of age", *British Journal of Dermatology*, **152**, 742-9, 2005.
- Mitchell, E.A., Robinson, E., Clark, P.M., Becroft, D.M.O., Glavish, N., Pattison, N.S., Pryor, J.E., Thompson, J.M.D., and Wild, C.J. "Maternal nutritional risk factors for small for gestational age babies in a developed country: a case control study", *Archives of Disease in Childhood, Fetal Neonatal Ed*, **89**, F431-F435, 2004.
- Merry, S., McDowell, H., Wild, C.J., Bir, J., and Cunliffe, R. "A randomized placebo controlled trial of a school-based depression prevention program", *Journal of the American Academy of Child and Adolescent Psychiatry*, **43**(5), 538-547, 2004.
- Pryor J.E., Thompson J.M.D., Robinson E., Clark P.M., Becroft D.M.O., Pattison N.S., Galvish N., Wild, C.J., Mitchell E.A. Stress and lack of social support as risk factors for small-for-gestational-age birth. *Acta Pædiatr*, **92**, 62-64, 2003.
- Neuhaus, J., Scott, A.J. and Wild, C.J., "The Analysis of Retrospective Family Studies", *Biometrika*, **89**, 23-37, 2002.
- Scott, A.J. and Wild, C.J., "On the robustness of weighted methods for fitting models to case-control data ", *Journal of the Royal Statistical Society, B*, **64**, 207-219, 2002.
- Mitchell, E.A., Thompson, J.M.D., Robinson, E., Wild, C.J., Becroft, D.M.O., Clark, P.M., Glavish, N., Pattison, N.S., and Pryor, J.E., "Smoking, nicotine and tar and risk of small-for-gestational-age babies", *Acta Paediactr*, **91**, 323-328, 2002.
- Pfannkuch, M., Seber, G.A.F and Wild, C.J. "Probability with less pain", *Teaching Statistics*, **24**, 24-30, 2002.
- Thompson, J.M.D., Clark, P.M., Robinson, E., Becroft, D.M.O., Pattison, N.S., Glavish, N., Pryor, J.E., Wild, C.J., and Rees, B.A. and ., Mitchell, E.A. "Risk factors for small-for-gestational-age babies: the Auckland Birthweight Collaborative (ABC) Study", *Journal of Paediatrics and Child Health*, **37**, 369-375, 2001.
- Scott, A.J. and Wild, C.J., "Case-control Studies with Complex Sampling", *Journal of the Royal Statistical Society, C*, **50**, 389-401, 2001.
- Yee, T.W. and Wild, C.J., Invited discussion of "Smoothing spline ANOVA for multivariate Bernoulli observations with application to ophthalmology data" by Gao, F., Wahba, G., Klein, R. and Klein, B., *Journal of the American Statistical Association*, **96**, 147-151, 2001.
- Scott, A.J. and Wild, C.J., "Maximum likelihood for generalised case-control studies", *Journal of Statistical Planning and Inference*, **96**, 3-27, 2001. [Lead article]
- Pfannkuch, M. and Wild, C.J., "Statistical Thinking and Statistical Practice: Themes gleaned from interviews with professional statisticians," *Statistical Science*, **15**, 132-152, 2000. [Lead article]
- Wild, C.J. and Pfannkuch, M., "Statistical Thinking In Empirical Enquiry" (With Discussion). *International Statistical Review*, **67**, 223-265, 1999.
- Kalbfleisch, J.D., Lawless, J.F., and Wild, C.J. "Semiparametric Methods for Response-selective and Missing Data Problems in Regression", *Journal of the Royal Statistical Society, B*, **61**, 413-438, 1999.
- Scott, A.J. and Wild, C.J., "Maximum Likelihood Estimation for Case-Control Data", *Biometrika*, **84**, 57-71, 1997.
- Wild, C.J. and Yee, T.W., "Additive Extensions to Generalized Estimating Equation Methods", *Journal of the Royal Statistical Society, B*, **58**, 711-712, 1996. [Lead article]
- Yee, T.W. and Wild, C.J., "Vector Generalized Additive Models", *Journal of the Royal Statistical Society, B*, **58**, 481-493, 1996.
- Wild, C.J., "Continuous improvement of teaching: Case Study in a large statistics course", *International Statistical Review*, **63**, 49-68, 1995.
- Wild, C.J., "On embracing the 'wider view' of statistics", *The American Statistician*, **48**, 163-171, 1994.
- Metcalf P, Scragg R, Baker J, Scott A, Wild C. "Asymptomatic Bacteriuria in multiracial workforce", *Ethnicity & Disease*, **3**, 270-7, 1993.
- Metcalf P, Baker J, Scragg R, Dryson E, Scott A, Wild C. Microalbuminuria in a middle-aged workforce: Effect of hyperglycemia and ethnicity", *Diabetes Care*, **16**, 1485-93, 1993.
- Metcalf P, Scragg R, Baker J, Dryson E, Scott A, Wild C. "Dietary nutrient intakes and slight albuminuria in people at least 40 Years Old", *Clinical Chemistry*, **39**, 2191-8, 1993.

- Metcalf P, Baker J, Scragg K, Dryson E, Scott A, Wild C. "Albuminuria in people at least 40 years old: Effect of alcohol consumption, regular exercise and cigarette smoking", *Clinical Chemistry*, **39**, 1793-7, 1993.
- Wild, C.J. and Seber, G.A.F. "Comparing two proportions from the same survey", *The American Statistician*, **47**, 178-181, 1993.
- Norris, R.N., White, H.D., Cross, D.B., Wild, C.J., and Whitlock, R.M.L. "Prognosis after recovery from myocardial infarction: The relevant importance of cardiac dilatation and coronary stenosis", *European Heart Journal*, **13**, 1611-1618, 1992.
- Merry, A.F., Wardell, G.J., Cameron, R.J., Peskett, M.J. and Wild, C.J. "Prospective, controlled, double-blind study of i.v. tenoxicam for analgesia after thoracotomy", *British Journal of Anaesthesia*, **69**, 92-94, 1992.
- Metcalf, P., Baker, J., Scragg, R., Scott, A., Wild, C., Scragg, R., Dryson, E. "Albuminuria in people at least 40 years old: Effect of obesity, hypertension, and hyperlipidemia", *Clinical Chemistry*, **38**, 1802-8, 1992.
- Merry, A.F., Rammage, M.C., Whitlock, R.M.L., Laycock, G., Smith, W., Stenhouse, D. and Wild, C.J. "First time coronary bypass grafting: The anaesthetist as a risk factor", *British Journal of Anaesthesia*, **68**, 6-12, 1992.
- Wild, C.J. "Fitting prospective regression models to case-control data", *Biometrika*, **78**, 705-717, 1991. [*Lead article*]
- Scott, A.J. and Wild, C.J. "Transformations and R^2 ", *The American Statistician*, **44**, 127-129, 1991.
- Scott, A.J. and Wild, C.J. "Fitting logistic regression models in stratified case-control studies", *Biometrics*, **47**, 497-510, 1991.
- Scott, A.J. and Wild, C.J. "Hypothesis testing in case-control studies", *Biometrika*, **76**, 806-809, 1989.
- White, H.D., Norris, R.M., Brown, M.A., Brandt, P., Whitlock, R. and Wild, C.J. "Left ventricular end-systolic volume as the major determinant of survival after recovery from myocardial infarction", *Circulation*, **36**, 44-51, 1987.
- Scott, A.J. and Wild, C.J. "Fitting logistic models under case-control or choice based sampling", *Journal of the Royal Statistical Society, B* **48**, 170-182, 1986.
- Hutchinson, B.R., Merry, A.F. and Wild, C.J. "The relationship of duration of fast to the volume and pH of gastric contents", *Anaesthesia and Intensive Care*, **14**, 128-130, 1986.
- Scott, A.J. and Wild, C.J. "Estimating relative risks from case-control studies", *Bulletin of the Int. Stat. Inst.*, **51**, 1231-1246, 1985.
- Nichol, R.K. and Wild, C.J. "Number of individuals' in faunal analysis: the decay of fish bone in archeological sites", *Journal of Archaeological Science*, **11**, 35-51, 1984.
- Norris, R.M., Barnaby, P.F., Brandt, P., Geary, G.G., Whitlock, R.M.L., Wild, C.J. and Barratt-Boyes, B.G. "Prognosis after recovery from first acute myocardial infarction: determinants of reinfarction and sudden death", *American Journal of Cardiology*, **53**, 408-413, 1984.
- Barratt-Boyes, B.G., White, H.D., Agnew, T.M., Pemberton, J.R. and Wild, C.J. "The results of surgical treatment of left ventricular aneurysms", *Journal of Thoracic and Cardiovascular Surgery*, **87**, 87-98, 1984.
- Wild, C.J. and Nichol, R.K. "Estimation of the original number of individuals from paired bone counts using estimators of the Krantz type", (with R.K. Nichol), *Journal of Field Archaeology*, **10**, 337-344, 1983.
- Wild, C.J. and Nichol, R.K. "A note on Rolf W. Lie's approach to estimating minimum numbers from osteological samples", *Norwegian Archaeological Review*, **16**, 45-48, 1983.
- Merry, A.F., Cross, J.A., Mayadeo, S.V. and Wild, C.J. "Posture and the spread of extradural analgesia in labour", *British Journal of Anaesthesia*, **55**, 303-307, 1983.
- Wild, C.J., "Failure time models with matched data", *Biometrika*, **70**, 633-641, 1983.
- Wild, C.J., "Interval estimates for variance components", *Canadian Journal of Statistics*, **9**, 195-201, 1981.
- Wild, C.J. and Kalbfleisch, J.D. "A note on a paper by Ferguson and Phadia", *Annals of Statistics*, **9**, 1061-1065, 1981.
- Wild, C.J., "Loss functions and admissibility of normal variance estimators", *Canadian Journal of Statistics*, **8**, 95-101, 1980.
- Wild, C.J., "Variance estimation with matched pairs", *Biometrika*, **67**, 507-510, 1980.

Sections in books: AUTHOR'S SURNAME, INITIALS. 'Title' In Author (ed.) *Title*. Place of publication, publisher, first page-last page, YEAR.

- Scott, A. and Wild, C. Case-control studies. In *International Encyclopedia of Statistical Science*, M. Lovric (Ed.), Berlin: Springer-Verlag, 204–205, 2011.
- Forster, M. and Wild, C. Writing about findings: Integrating teaching and assessment. In, *Assessment Methods in Statistical Education*, P. Bidgood, N. Hunt and F. Joliffe (eds), West Sussex: Wiley, 87 – 102, 2010.
- Scott, A. and Wild, C. Population-based case-control studies. In, *Handbook of Statistics, Vol. 29B, Sample Surveys: Inference and Analysis*. (D. Pfeffermann and C. R. Rao eds). Oxford: Elsevier, 2, 431 – 453, 2009.
- Scott, A.J. and Wild, C.J., "Calculating efficient semiparametric estimators for a broad class of missing-data problems," In *Festschrift for Tarmo Pukkila on his 60th Birthday*. E. P. Liski, J. Isotalo, J. Niemelä, S. Puntanen, and G. P. H. Styan (Eds), Dept. of Mathematics, Statistics and Philosophy, Univ. of Tampere, ISBN 978-951-44-6620-5, 301-314, 2006.
- Pfannkuch, M. and Wild, C.J., "Towards an understanding of statistical thinking?" In D. Ben-Zvi and J. Garfield (eds.), *The Challenge of Developing Statistical Literacy, Reasoning, and Thinking*. Dordrecht, The Netherlands: Kluwer Academic Publishers, Chapter 2, 17–46, 2004.
- Scott, A.J. and Wild, C.J., "Fitting Logistic Regression Models in Case-control Studies with Complex Sampling." In *Analysis of Survey Data*, Chambers, R.L. and Skinner, C.J. (eds.), Chichester: Wiley, 109-121, 2003.
- Wild, C.J., Triggs, C.M. and Pfannkuch, M., "Assessment on a Budget: Using Traditional Methods Imaginatively", *Handbook on Assessment in Statistics Education*, Iddo Gal and Joan Garfield (Eds.), International Statistical Institute and IOS Press, pp. 205-220, 1997.
- Seber, G.A.F. and Wild, C.J. "Least Squares", Chapter 9 of "Statistical Methods for Physical Science", John Stanford and Steve Vardeman (eds), Academic Press, 1994.
- Scott, A.J. and Wild, C.J. "Selection based on the response variable in logistic regression", Chapter 9 in *Analysis of Complex Surveys*, ed. by D. Holt, C.J. Skinner and T.M.F. Smith, Pub: Wiley, 191-205, 1989.

Papers in Refereed Conference Proceedings: AUTHOR'S SURNAME, INITIALS. 'Title' *Name of conference and proceedings, location and date of conference*, first page-last page, YEAR.

- Forster, M. Smith, D.P. and Wild, C.J. "Teaching students to write about statistics", *Proceedings of the IASE Satellite Conference on Statistics Education and the Communication of Statistics*, CD-Rom. Voorberg Netherlands, International Statistical Institute, (6 pages), 2005.
- Cunliffe, R.V., Regan, M. & Wild, C. 'Flexible Learning and Large Numbers (A Case Study).' *Proceedings of the IASE Satellite Conference on Statistics Education: Statistics Education and the Internet*, CD-Rom. Voorberg Netherlands, International Statistical Institute, (10 pages), 2003.
- Scott, A.J. and Wild, C.J. Maximum likelihood methods for stratified cluster sampling with informative stratification. *Proceedings of the International Conference on Recent Advances in Survey Sampling*, G. Roberts and D. Bellhouse (eds), 207-215, 2003.

Other Works: as per prior sections. Include talks that are recorded on video or published other than in print.

- Pfannkuch, M. & Wild, C. 'Statistical thinking: How can we develop it?' Bulletin of the International Statistical Institute, **54**, CD-Rom. Voorburg, The Netherlands, International Statistical Institute, 4 pages, 2003.
- Scott, A.J. and Wild, C.J., "Complex Sampling and Case-control Studies" (Invited paper, ISI 1999), *Bulletin of the International Statistical Institute*, **52**, 327-330, 1999.
- Pfannkuch, M. and Wild, C.J., "Investigating the nature of statistical thinking." (*Invited paper*) In *Proceedings of the 5th International Conference on the Teaching of Statistics*, L. Pereira-Mendoza, L.S. Kea, T.W. Kee and W-K Wong (eds), International Statistical Institute: Voornurg, The Netherlands, 459-465, 1998.
- Wild, C.J. and Pfannkuch, M., "What is statistical thinking?" (*Invited paper*) In *Proceedings of the 5th International Conference on the Teaching of Statistics*, L. Pereira-Mendoza, L.S. Kea, T.W. Kee and W-K Wong (eds), International Statistical Institute: Voornurg, The Netherlands, 333-339, 1998.
- Wild, C.J. "Regression modelling for matched data with ordinal responses" *Proceedings of the Pacific Statistical Congress*, ed., I.S.Frances, B.F.J. Manly and F.C. Lam, Pub : North Holland, 407-411, 1986.

Invited Conference Papers

Upcoming

- 2012 British Academy Conference "Quantitative Skills: Lessons from overseas" (London, March)
 2012 Priestman Memorial Lectures (Annual Public Lecture series of the U. of New Brunswick)

Past

- 2011 Plenary Speaker, Canadian Mathematical Society, Toronto

- 2011 Invited Speaker, International Statistical Institute (Dublin, August)
- 2011 Invited Speaker, Joint Statistical meetings (Miami, August)
- 2010 Keynote Speaker, Australian Statistical Conference/OZCOTS (Freemantle, December)
- 2010 Invited Speaker, International Conference on Applied Statistics and Financial Mathematics (Hong Kong, December)
- 2010 Invited Speaker, Statistical Methods and Life-history Analysis (Waterloo, Canada, May)
- 2010 Invited Speaker, Statistical Society of Canada (Quebec City, June)
- 2010 Invited Speaker, Joint Statistical Meetings (Vancouver, August)
- 2010 Invited Speaker & Discussant for plenary session, ICOTS 8 (Ljubljana, Slovenia, August)
- 2009 President's Invited Address, Statistical Society of Canada (Vancouver, June)
- 2009 Keynote Speaker, USCOTS 2009 – US Conference on Teaching Statistics (Ohio, June)
- 2009 Opening Keynote speaker, SRTL 6 (Brisbane, July)
- 2009 Invited speaker, Workshop on Emerging issues in the analysis of longitudinal data, (Banff, August)
- 2008 Invited speaker, IASC 2008 – International Association for Statistical Computing (Yokohama, December)
- 2008 Invited speaker, CASTA 2008 (Computational Algebraic Statistics, Theories and Applications) (Kyoto, December)
- 2008 Invited speaker, Symposium on Statistical Education organized by the Committee on Statistical Education of the Japanese Statistical Societies (Tokyo, December)
- 2008 Invited speaker, WNAR/IMS, Western North American Region of the International Biometric Society/Institute of Mathematical Statistics, (Davis, California, June)
- 2008 Invited speaker, OZCOTS 2008 - 6th Australian Conference on Teaching Statistics (Melbourne, July)
- 2008 Invited speaker, 24th International Biometric Conference (Dublin, July)
- 2008 Invited speaker, 2nd International CensusAtSchool Workshop (UCLA, July)
- 2008 Invited speaker, Joint Statistical Meetings (American Statistical Association etc) (Denver, Colorado, August)
- 2007 Joint invited paper, Joint Statistical Meetings (American Statistical Association etc) (Salt lake City, Utah, August)
- 2007 Joint invited paper, International Statistical Institute (Lisbon, August)
- 2007 Invited speaker, CensusAtSchool International Workshop, Melbourne, Australian Bureau of Statistics, March
- 2007 Invited speaker, Statistical Science: Present Position and Future Prospects, 40th Anniversary Conference, Department of Statistics, University of Waterloo (30 May-1 June)
- 2006 Closing Plenary speaker, ICOTS 7 - 7th International Conference on the Teaching of Statistics (Salvador Brazil, July)
- 2006 Joint invited paper, 9th International Vilnius Conference on Probability Theory and Mathematical Statistics (Vilnius, Lithuania, June)
- 2006 Joint invited paper, Australian Statistical Conference/New Zealand Statistical Association Joint Meetings (Auckland, July)
- 2006 Joint invited paper, Conference on Statistical Methods in Epidemiology and Observational Studies In Honor of Norman E. Breslow, (Seattle, Washington, August)
- 2006 Joint invited paper, Joint Statistical Meetings (American Statistical Association etc) (Seattle, August)
- 2005 Opening Keynote speaker for SRTL 4 – Research Forum on Statistical Reasoning, Thinking and Literacy (venue Auckland)
- 2005 Invited speaker, International Statistical Institute (Sydney, April) –Invited Discussant
- 2005 Invited speaker, IASS 55 (Auckland, April)
- 2004 Invited speaker, International Statistical Institute Special Conference on the role of statistical science in assuring national prosperity (Invited Panel member)
- 2004 Invited speaker, Joint Annual Meeting of Japanese Statistical Societies (Hanamaki, September)
- 2004 Invited speaker, Workshop on Statistical Methods for Missing Data (Field's Institute, Toronto, Canada, August 5-6)
- 2004 Opening Plenary Speaker, Royal Statistical Society 2004 (Manchester, September)
- 2003 Plenary speaker, Delta03 - Fourth Southern Hemisphere Symposium on Undergraduate Mathematics Teaching (Queenstown, New Zealand)
- 2003 Invited speaker, IASE Satellite Conference on Statistics and the Internet (Berlin, August)
- 2003 Invited speaker, American Statistical Association (San Francisco, August)
- 2003 International Statistical Institute (Berlin, August) – Invited Speaker and Invited Discussant
- 2003 Invited Plenary speaker, Interamerican Statistical Institute (Rio de Janeiro, July)
- 2002 Joint invited paper, Family-specific Approaches to Analyze Case-control Family Data, (with John Neuhaus and Alastair Scott), 2002 Joint Statistical Meetings (of the American Statistical Association etc.), New York.
- 2002 Invited speaker, Statistical Thinking Models, (with Maxine Pfannkuch), The 6th International Conference on the Teaching of Statistics (venue: Capetown, South Africa); Session Organiser; Chair of Closing Session
- 2001 Invited presenter at 2-day Biostatistics Workshop on Missing Data held in conjunction with the Australasian Biometrics / NZSA Conference, Christchurch, Dec 2001
- 2000 Joint invited paper, "The Analysis of Case-Control Family Data" (with John Neuhaus and Alastair Scott) at the Statistical Society of Canada Annual Meeting (venue: Ottawa)

- 1999 Joint invited paper on the analysis of data from complex surveys (with Alastair Scott) at the International Conference on the Analysis of Survey Data (venue: Southampton)
- 1999 Joint invited paper "An extension of Richards' lemma with applications to a class of profile likelihood problems" (presented by Alastair Scott) at the 8th International Workshop on Matrices and Statistics (venue: Tampere, Finland)
- 1999 Invited speaker in a session entitled "Analysis of Data from Complex Surveys" at the 52nd Session of the International Statistical Institute, joint with Alastair Scott (venue: Helsinki) Published in the International Association of Survey Statisticians Proceedings – Helsinki 1999, pp 237--255, (with discussion p 267).
- 1999 Invited speaker at LOGOS 5 (Mathematics and Statistics Education Research Workshop held in Auckland with participants from all over New Zealand)
- 1998 Two invited talks What is statistical thinking? and Investigating the nature of statistical thinking at ICOTS-5: The Fifth International Conference on Teaching of Statistics (Singapore) (joint with my PhD student Maxine Pfannkuch)
- 1997 Methods for a Class of Missing Data Problems in Regression, New Zealand Statistical Association Annual Meeting
- 1996 Statistical Thinking, 7th Annual European Workshop on Statistical Methodology in Clinical Research & Development (Copenhagen)
- 1995 The Teaching of Statistics, Joint Annual Meetings of the Institute of Mathematical Statistics and the Statistical Society of Canada (Montreal)
- 1994 Total Quality Management and Teaching, American Statistical Association (Atlanta)
- 1989 Nonlinear Regression. Statistical Society of Montreal
- 1985 Estimating Relative Risks from Case-Control Data, 45th Session of the International Statistical Institute, Amsterdam (with A.J. Scott)

Recent talks to high-school teacher groups

- 2011 Plenary talk, Statistics Teachers Day (approximately 280 attendees)
- 2011 iNZight workshop for New Zealand Association of Maths Teachers, Otago Boys high School, July
- 2009 Keynote Address, NZ National Numeracy Conference, Auckland, February
- 2008 Canterbury Mathematics Association (2), March
- 2008 Auckland Mathematics Association, June (Keynote)
- 2008 Auckland Mathematics Association, (2) November
- 2007 New Zealand Association of Maths Teachers, Auckland, September
- 2007 Auckland Mathematics Association, November
- 2005 Auckland Mathematics Association, November

PhD Students in statistics and statistics education

Graduated

- Main: Thomas Yee, Maxine Pfannkuch, Yannan Jiang
- Co-sup: Patricia Metcalf, Yuichi Hirose, Dug Yeo Han

Current

- Main: Shaowei Wang, Gustavo Amorim
- Co-sup: Jennifer Wilcox, Pip Arnold

Research Grants / Funding:

MARSDEN FUND

- 1998 – 2001 \$210,000 — Principal Investigator (with A.J. Scott)
Semi-parametric Methods for Response-selective and Missing Data Problems
- 2002 – 2005 \$240,000 — Principal Investigator (with A.J. Scott)
Methods for response-selective, missing data and complex sampling problems
- 2007 – 2010 \$600,000 — Principal Investigator (with A.J. Scott, A.J. Lee)
Model fitting with complex sampling structures
- 2010 – 2012 \$600,000 — Principal Investigator (with A.J. Scott, A.J. Lee)
Efficient analysis with biased samples

HRC

- 1995 Co-principal investigator of the on-going Auckland Birthweight Cooperative Study Team Principal Investigator: A/Prof. Ed Mitchell (Paediatrics). Initial grant \$381,568 (1995)
- 1998 Co-principal investigator of the on-going "The Assessment of the Effectiveness of a School-based Depression Prevention Programme." Principal Investigator: Dr Sally Merry (Psychiatry & Behavioural Sci). Initial grant approx \$70,000.

1999 Co-principal investigator of "The Assessment of the Effectiveness of a School-based Depression Prevention Programme." Principal Investigator: Dr Sally Merry (Psychiatry & Behavioural Sci). Grant \$470,913.