

NEWSLETTER

Department of Mathematics & Statistics

Issue No. 10/03

Friday, 13 June 2003

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PUBLICATIONS ACCEPTED

G. C. Wake, with G. Kozyreff, H.Ockendon, & R.M.W. Sumner *Core Bulk of Wool Fibres as a Function of their Curvature and Diameter*: To appear in Physics Letters A, accepted June 2003.

Graeme Wake

PUBLICATIONS APPEARED

G. C. Wake with I. Vetharanim, S. R. Davis, T. K. Soboleva, and P. R. Shorten, *Modeling the Interaction of Milking Frequency and Nutrition on Mammary Gland Growth and Lactation*, J. Dairy Sci. 2003: **86**: pp.1987-1996.

Graeme Wake

DEPARTMENT RESEARCH REPORTS

UCDMS200305

Frank Lad, Probability: the language of the people! ... the language of science (invited lecture for the Conference on Science and Democracy, Naples, 12-14 June, 2003)

UCDMS200306

Frank Lad, Mario Di Bacco and Patrizio Frederic, Learning from the probability assertions of experts

UCDMS200307

Frank Lad and Patrizio Frederic, A technical note on the logitnormal distribution

Frank Lad

DEPARTMENTAL RESEARCH FUNDS.

The following have been approved.

\$8000 to allow Easaw Chacko and his PhD student (Murty) to attend and present a paper at the 54th International Statistical Institution conference in Berlin in August (and funds for Murty to attend a related meeting).

\$2000 for Bill Baritompia for conference related costs in November (Delta03).

\$2000 for John Hannah towards hosting a visitor (Prof. David Smith) here and at the Delta03 conference.

\$1400 for Charles Semple to host Prof. James Oxley and Prof. Geoff Whittle here in August.

\$2310 for Marco Reale to attend the International Workshop in Statistical Modelling in Louvain (Belgium) 6-12 July, and to organise a meeting of Canterbury statisticians called 'Canterbury Tails' later this year.

\$500 for Jennifer Brown for research assistance associated with an international conference.

\$4,700 to Qui Bui to support a visit by Professor Mitchell Taibleson from Washington University in St. Louis later this year.

\$1,800 to Dominic Lee to attend the Australian Mathematical Sciences Institute Symposium on Statistical Learning at the University of New South Wales, Sydney 2-3 October, 2003.

Until I return on September 13, all further applications for departmental research funds should be made via Qui Bui.

Mike Steel

DEPARTMENTAL VISITORS

<u>Current Visitors</u>	<u>Organisation</u>	<u>Room No.</u>	<u>Ext. No.</u>
Dr. Wim Hordijk	Santa Fe Institute	720	8337
Assoc. Prof. Peter Lockhart	Massey University	616	8876

GRANTS

\$1200 for Jennifer Brown for research assistance

Mike Steel

ALAN TURING'S SCHOOL REPORTS

(Specially recommended for those of you with teenage tots who prefer to watch programmes like "Sabrina the Teenage Wrestler" to doing their calculus sums.

The English report says: "I can forgive his writing, though it is the worst I have ever seen, and I try to view tolerantly his unswerving inexactitude and slipshod, dirty, work, inconsistent though such inexactitude is in a utilitarian; but I cannot forgive the stupidity of his attitude towards sane discussion on the New Testament. Bottom of the class."

He did better in Latin, only second from bottom: "He ought not to be in this form of course as far as form subjects go. He is ludicrously behind".

The maths and science reports were better but still complained: "His work is dirty".

He was nearly stopped from taking the School Certificate exam.

Peter Renaud

MATHEMATICS IN INDUSTRY STUDY GROUP 2004 (ANZIAM)

26 – 30 January 2004
University of Auckland, Mathematics and Physics Building
City campus

<http://iims.massey.ac.nz/research/cmi>

This is the annual (ANZIAM) Mathematics-in-Industry Study Group wherein 6 or more industrial problems are brought to be formulated, solved and interpreted by professional mathematical scientists and postgraduate students in an intensive week of interactive brainstorming. Problem providers are charged but participation is free for mathematicians and students. Registration is required however. Partial support will be available for students to attend. Organisation is provided through the Centre for Mathematics in Industry, Institute of Information and Mathematical Sciences, Massey University at Albany.

Contact: Administrator
Ms Nikki Luke,
n.luke@massey.ac.nz

Director
Professor Graeme Wake,
g.c.wake@massey.ac.nz

Opportunity will be available for ongoing collaborative work with industrial providers. Some plenary sessions will be given by invited speakers.

QUOTE OF THE WEEK

From one of the correspondents to a discussion about lecturing:-

"Most of our lower-level undergraduate courses are populated by students who appear to be allergic to proofs, and regard mathematics as a set of techniques for writing exams."

Bill Taylor

PUZZLE CORNER:

Old hands may remember this one from long ago, but it's fun enough to get another dusting out:-

Construct a 3x3 magic square consisting entirely of primes.

All 9 numbers must be different.

A chocolate fish awarded to whoever has the smallest minimum number!

Bill Taylor