NEWSLETTER

Department of Mathematics & Statistics

Issue No. 2/04 **Friday, 13 February 2004**

THIS WEEK:

ARTICLES ACCEPTED

Basse B, Baguley BC, Marshall E, Wake GC & Wall DJN. *Modelling cell population growth with applications to cancer therapy in human cell lines,* Prog Biophysics Mol Biol, accepted January 2004. (This paper was jointly given by invitation at the Modelling Cell Function CoRE meeting in Auckland in July 2003).

Wake GC, Marshall JC & van-Brunt B. *A natural boundary for solutions to the second-order pantograph equation,* J Math Anal and Appl., accepted January 2004.

Graeme Wake

PAPER PUBLISHED

N.Suzuki & N.A.Watson, "*Mean value densities for temperatures*", Colloquium Mathematicum, v98, 2003:87-96.

Neil Watson

LOTTERY GRANTS BOARD

Congratulations to Dr John Evans (Christchurch Clinical School), Dr John Connolly, and David Wall, for receipt of a Lottery Grants Board / Te Puna Tahua, Lottery Health Research grant: *Mathematical modeling of LH responses to GnRH and interacting peptides to describe dynamic physiological regulation.*

This will fund John Connolly for a one year research project.

David Wall

DEPARTMENTAL RESEARCH FUND

Congratulations to Rick Beatson who has been awarded research funding towards travel costs for presenting a keynote address at the IDOMAT meeting in Germany February 15-20.

Ian Coope

John Hannah has been awarded $3000 travel and conference costs as co-ordinator of a study group at the 10th International Congress on Mathematical Eduction in Copenhagen in July.

Ian Coope is now taking over as chair of the departmental research committee while I am on Maclauren leave.

Mike Steel

2004 TRAVEL AWARD FOR THE 2004 SURVEY RESEARCH METHODS SECTION

We are pleased to announce that Murthy has been chosen to receive a travel award for the 2004 Student Paper Competition at the Joint Statistical Meetings 2004 to be held from 8 to 12 August in Toronto, Canada . Congratulations.

Easaw Chacko

DEPARTMENTAL VISITORS

Current Visitors	Name of Organisation	From	To	Room No	Ext No
Peter **Lockhart**, Dr	**Massey University**	**6-Oct-02**	**20-Oct-04**	**616**	**8876**
Richard **Laugesen,** Prof	**University of Illinois**	**14-Jul-03**	**31-Mar-04**	**710**	**7694**
Gyou-Bong **Lee**, Prof	**Paichai University, Korea**	**15-Jul-03**	**14-Jul-04**	**502**	**7663**
Adrian **Iordache,** Mr	**University of Illinois**	**1-Aug-03**	**31-Apr-04**	**522**	**7695**
Mary **Christman**, Assoc. Prof.	**University of Maryland**	**28-Jan-04**	**24-Feb-04**	**703**	**7427**
Joe **Perry**, Prof (Erskine Visitor)	**University of Maryland**	**2-Feb-04**	**2-Apr-04**	**614**	**6699**
Michael J D **Powell**, Prof	**Cambridge University**	**13-Feb-04**	**13-Mar-04**	**721**	**8338**
Visitors due to arrive	**Name of Organisation**	**From**	**To**	**Room No**	**Ext No**
Johan **Kahrstrom**, Dr	**Uppsala University, Sweden**	**23-Feb-04**	**28-Mar-04**	**720**	**8337**
Vincent **Moulton**, Prof	**Uppsala University, Sweden**	**23-Feb-04**	**28-Mar-04**	**501**	**8376**
Katherina **Huber**, Dr	**Uppsala University, Sweden**	**23-Feb-04**	**28-Mar-04**	**501**	**8376**
John E **Dennis** Jr, Prof (Erskine Visitor)	**Rice University, USA**	**24-Feb-04**	**24-Mar-04**	**700**	**7666**
Andreas **Dress**, Prof (Erskine Fellow)	**Universitat Bielefeld, Germany**	**1-Mar-04**	**25-Apr-04**	**602**	**7687**

AWARD OF MEDAL IN APPLIED MATHEMATICS:

Dr Mark Nelson, a postdoctoral fellow (funded by the Royal Society of London) at the University of Canterbury and the University of Auckland over the years 1998-9 in applied mathematics is this year's winner of the J.H. Michell Medal. This medal is awarded annually by ANZIAM (Australian and NZ Industrial and Applied Mathematics) to "outstanding new researchers who have carried out distinguished research in applied and/or industrial mathematics, where a significant portion of the research is carried out in Australia and/or New Zealand". The eligibility normally extends to up to 10 years from completing a postgraduate degree. He is currently a lecturer at the University of Wollongong, NSW. His work is principally centered in nonlinear systems theory and applications. The award was presented at the ANZIAM2004 conference on 4th February 2004 in Hobart.

Graeme Wake

PROBLEM CORNER

Prove that the following is an integer for all naturals *m*,*n*.

$$\frac{(5m)!(5n)!}{m!\,n!\,(3m+n)!\,(3n+m)!}$$

Bill Taylor.