

NEWSLETTER

Department of Mathematics & Statistics

Friday, 16th August 2002

This Week: VISITORS
CANTAMATH
ROYAL STATISTICAL SOCIETY CONFERENCE
PUBLICATION
ACCEPTED PAPER
PROBLEM CORNER
MATH COMICS

DEPARTMENTAL VISITORS

Visitors due to arrive over the next two-three weeks are Prof. John L Casti from Technical University of Vienna and Dr. Granville Tunnicliffe-Wilson from Lancaster University.

CANTAMATH

The annual maths extravaganza is taking place this week in the town hall.

Thousands of maths posters, designs, models, puzzles etc, on display all day Wednesday 21 August 2002 and Thursday, 22 August 2002 with the ever-exciting team competitions on in the evenings:

Year 7 & 8 Wednesday
Year 9 & 10 Thursday

All welcome. See you there

David Fortune

(Good luck to Gunter's (Burnside) and Julie's (CBHS) sons Year 9)

ROYAL STATISTICAL SOCIETY CONFERENCE

Irene Hudson is presenting a paper at the 2002 Royal Statistical Society Conference in Plymouth UK (3-6 September) in the Signal processing and time series session. The paper she is presenting deals with new statistical developments aimed to resolve whether it is natural habitat or a 7 fold permutation pattern of phyllotaxis that govern wood morphology spatial patterns. Irene will have some R&R in Naples and Sorrento, Italy before the RSS meeting and is going to seek out a gift shop in Sorrento owned by Brunella Reale's family.

PUBLICATION

Crooks SM, McAven LF, Robinson DF, Xing L. Minimizing delivery time and monitor units in static IMRT by leaf-sequencing. *Physics in Medicine and Biology* vol 47 (2002) 1-12.

David Robinson

I L. Hudson with M R. Keatley and P K. Ades 2002 " Phenological studies in Australia: Potential application in historical and future climate analysis. *International Journal of Climatology* (in press)

M.L. Dalrymple, I.L. Hudson, Ford, R. 2002 "Truncated, zero-inflated Poisson (ZIP) and Finite Mixture (FM) models: an investigation of differential covariate effects on varying sudden infant death (SID) counts with climate. *Journal of Computational Statistics and Data Analysis* (in press)

M.L. Dalrymple, I.L. Hudson and A.G. Barnett 2002 "Survival, block bootstrap and mixture methods for detecting change points in discrete time series data with application to SIDS". *Statistical Modelling: An International Journal* (ISSN 1471 1-082X) (in press)

Irene Hudson

ACCEPTED PAPER

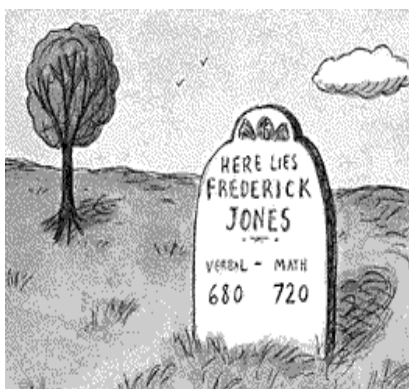
Willms, A.R. NEUROFIT: Software for Fitting Hodgkin-Huxley Models to Voltage-Clamp Data, *J. Neurosci. Meth.*, (in press).

Allan Willms

PROBLEM CORNER

Find a circle in the plane that has exactly three lattice points on it.
(For extra credit, can you generalize three to any integer?)

Bill Taylor



'Here Lies Frederick Jones. Verbal: 680 Math: 720.'

(Gravestone shows S.A.T.scores rather than birth and death dates.)
by Roz Chast



"After you return all of your deposit bottles, sell every pint of your blood and auction off all your vital organs, you'll still need to keep working."