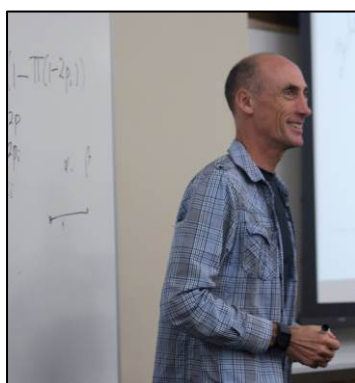


CONFERENCES AND VISITS



National Science Foundation (NSF/CBMS) Mathematics Conference on Phylogenetics

Mike Steel was the 'principal lecturer' at a National Science Foundation mathematics conference on phylogenetics held in South Carolina, USA, in June-July. He presented 10 hours of lectures in the space of one week, and these will be developed into a monograph to be published by the Society for Industrial and Applied Mathematics. Mike also spoke at conferences in France and Germany during this trip.

Takebe Conference 2014

PhD student Rosalie Hosking gave a short talk at the Takebe Conference 2014 at Ochanomizu University, Tokyo, from 25-30 August. This is a satellite conference for ICM 2014 and its subject was traditional mathematics in East Asia, with a focus on the Japanese Edo period of mathematics. Rosalie was partly funded by a student travel grant from the New Zealand Mathematical Society.

Raaz Sainudiin has 3 upcoming talks at Cornell University. The first, an invited feature talk at the Cornell Centre for Comparative and Population Genomics (3CPG) Fall Symposium on 5 September, is titled *An Adam and Eve Story – human-assisted spread of a maladaptive behaviour in a critically endangered bird*. On 24 September, during the Cornell Statistical Sciences Seminar Series, he'll be talking on *Statistical Regular Pavings for Bayesian Non-parametric Density Estimation: the Art of Adding Trees*. His 3rd talk, in the Cornell Probability Seminar Series on 6 October, is titled *Ancestries of Recombining Population Pedigrees: a Discrete Structural Perspective*. **Photo right:** Raaz with recent Erskine Fellows Sean Cleary and Katherine St John in front of Ithaca Falls, which is 4 blocks from his sabbatical home in Ithaca, New York.



STAFF APPOINTMENT

Congratulations to Helen Rowley, who has been appointed to the continuing position of School administrator.

STAFF RESIGNATION

Dominic Lee, who has been working with the Wynyard Group on a one year appointment, has decided after much thought to resign from UC and stay with that company.

I am very sad to see Dominic leave. He has been with the School for over ten years and I have enjoyed working with him. He has contributed to the School, and particularly our research profile, in many ways and has left a very big gap to fill.

Dominic is very keen to continue working with us in his new role, with postgraduate students and other research projects.

- Jennifer Brown



Congratulations to Alex James on the birth of her son, Seth Weston James, on 20 August.

Visitor	University/Organisation	Host	From	To	Room	Extn
Alessandra Luati (Erskine Fellow)	Bologna	M Reale	10.7.14	15.9.14	714	7687
Helen Byrne (Oxford Fellow)	Oxford	D Wall	22.7.14	5.9.14	607	8875
Christopher Bose	Victoria, Canada	R Murray	15.8.14	30.11.14	605	8875
Gary Froyland (Erskine Fellow)	NSW	R Murray	1.9.14	3.10.14	607	8875
Cecilia Gonzalez-Tokman	NSW	R Murray	1.9.14	12.9.14	600	6686

Erskine Fellow

Welcome to Professor Gary Froyland from the School of Mathematics and Statistics at the University of New South Wales, who arrives on 1 September. Gary's fields of special interest are dynamical systems and ergodic theory with geophysical applications. Gary will be lecturing in MATH363 and interacting with Honours and PhD students in seminars. An international workshop (SON2014) will also be held at UC in the first week of September (during recess) to coincide with the first week of his visit. This will be open to postgraduate students in Maths, Science and Engineering.



CALLAGHAN INNOVATION'S R & D EXPERIENCE GRANT

Callaghan Innovation's R&D Experience Grant was awarded to DataMine <http://www.datamine.com/> for research with Raazesh Sainudiin into conditional regression with specific deliverables of a set of high-level wrappers (in Python) for the library in C++ developed by Jenny Harlow, Raazesh Sainudiin, Tom York, Gloria Teng and Warwick Tucker. The library allows for an efficient arithmetic with plane binary trees for massive data problems in ways that complement the state-of-the-art dual-tree methods developed at Carnegie Mellon and Georgia Tech to take full advantage of all available Random Access Memory.

- Raaz Sainudiin

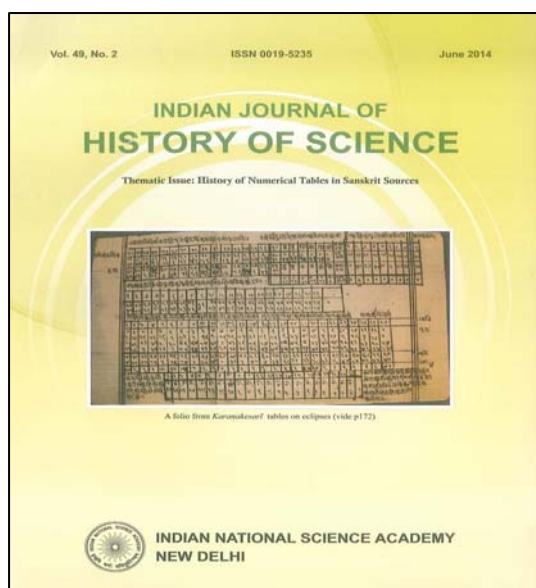
PAPER ACCEPTED

(Invited Submission) Hannah, J. and Montelle, C.: *Drawing it out! The History of Mathematics through its Diagrams*, MAA Notes, *The Courses of History: Ideas for Developing History of Mathematics Courses*, Eds: Amy Shell-Gellasch and Dick Jardine.

PAPERS PUBLISHED

Logic, Computation, Hierarchies: Brattka, V., Diener, H. and Spreen, D. (editors) 2014. De Gruyter, Berlin, Boston.

Sainudiin, R., Sridharan, R., Srinivas, M.D., Yogeewaran, K., Bharati, G.: *Pingala's Fountain*, Bulletin of the Indian Society for History of Mathematics, Vol. 35, No. 1-2, pp. 117-123, 2014.



Indian Journal of History of Science

A recent special issue of the Indian Journal of History of Science was devoted to History of Numerical Tables in Sanskrit, edited by Clemency Montelle and Agathe Keller (CNRS, Universite Paris-VII). The special issue included seven contributions from international scholars and arose as a result of a workshop in Marseille, France and an ISAT Bilateral Research grant administered by the RSNZ.



Christchurch Tramping Club

A number of UC staff, including Steve Gourdie and Phillipa Williams, attended a snow-craft course this month at Temple Basin and Mt Cheeseman.

Top left: Phillipa scaling great heights. **Top right:** Listening intently to the instructor. **Bottom left:** getting their just desserts!

NEWS FROM THE LIBRARY

- Library Liaison Officer for Mathematics and Statistics, Dr Phil Wilson <http://bit.ly/NKgZ2J>
- New books: Librarians' Picks of the Month <http://canterbury.libguides.com/newbooks>
- New titles for Mathematics and Statistics <http://bit.ly/NVj1hV>; for Mathematical Statistics <http://bit.ly/MIS2WA>; new-titles-list generator <http://bit.ly/1brTI3E>

From the Web

1. What People Are Saying about the Science in Society Strategy (Sciblogs) <http://bit.ly/1xwK4TH>
2. Science and Its Privilege in the Policy Arena (Sciblogs) <http://bit.ly/VOzqxW>
3. Medaling Mathematicians [Fields Medal recipients] (Blog on Math Blogs) <http://bit.ly/1o7e82Y>
4. Maryam Mirzakhani: Counting Curves (Plus Maths) <http://bit.ly/1oTuHQd>
5. Artur Avila [2014 Fields Medal recipient]: Taming Chaos (Plus Maths) <http://bit.ly/1rLdxr9>
6. Stanley Osher [2014 Gauss Prize recipient]: Connecting the Disconnected (Plus Maths) <http://bit.ly/VxxXtq>
7. John Milnor: A conversation with a Mathematical Legend (Plus Maths) <http://bit.ly/1tWMt9V>
8. How Bird Flocks Are Like Liquid Helium (AAAS) <http://bit.ly/1o3ilcC>
9. New Algorithm Gives Credit Where Credit Is Due (Northeastern U) <http://bit.ly/1tdRYI8>
10. An Interview with Amy Brand on a Proposed New Contributor Taxonomy Initiative (Scholarly Kitchen) <http://bit.ly/1pMckYN>
11. Fresh Look of Scholar Profiles (Google Scholar Blog) <http://bit.ly/VNhYre>
12. When Is Open Access Not Open Access? (NZ Commons) <http://bit.ly/1tYrfJ6>
13. Is Open Access a Cause or an Effect? (Scholarly Kitchen) <http://bit.ly/1npAFaY>
14. Don't Email Me [academic managing student interactions] (Inside Higher Ed) <http://bit.ly/1tLha2G>
15. Can Universities Use Data to Fix What Ails the Lecture? (Chronicle of Higher Education) <http://bit.ly/1oI4Drd>
16. Today's Lesson: Life in the Classroom Before Cellphones (Chronicle of Higher Education) <http://bit.ly/1qHDq9x>
17. Confuse Students to Help Them Learn (Chronicle of Higher Education) <http://bit.ly/1uxQdSJ>
18. Grade Deflation (Offsetting Behaviour blog) <http://bit.ly/1kPNUXV>
19. How Streaming Media Could Threaten the Mission of Libraries (Chronicle of Higher Education) <http://bit.ly/YWDSdN>

And on the lighter side...

- How to Talk About the Fields Medal at Your Next Cocktail Party (Scientific American) <http://bit.ly/1mfbmJv>
- Math Professor Quotes <http://mathprofessorquotes.tumblr.com/>
- Maths Boffins Solve Supermarket BOGOF Quandary (NewsBiscuit) <http://bit.ly/1uTQMn3>
- Letters from a Calculus Class (Math with Bad Drawings) <http://bit.ly/1qi0IFv>
- Why Academics REALLY Use Twitter (PHD Comics) <http://bit.ly/1AC9V08>
- Thesis Defense (xkcd) <http://bit.ly/1qSoQ0e>

John Arnold | Mathematics/Statistics Liaison Librarian
<http://canterbury.libguides.com/profile/JohnArnold>