



Adams Society

of St John's College, Cambridge

INFORMATION
FOR SPONSORS
JANUARY 2012

About the Society

The Adams Society is the mathematical society of St John's College, and one of the oldest undergraduate societies in Cambridge. We are named after the Johnian mathematician John Couch Adams, who is famous for predicting the existence of the planet Neptune using nothing but its gravitational effects on the orbit of Uranus.

Membership is exclusive to mathematics undergraduate and postgraduate students and fellows at St John's College, but talks and events are free to all members of the university, and usually attended by a large number of students from other colleges.

Academic Talks

Throughout the year, we organise talks of a mathematical nature, which are free and usually attended by 40 to 60 students both from St John's and other colleges. Recent speakers have included some of the most famous mathematicians in Cambridge, such as Fields Medallist **Timothy Gowers**, FRS, Lucasian Professor **Michael Green**, FRS, and former president of the London Mathematical Society **John Coates**, FRS.

Social Events

Our members are also invited to a number of social events such as a Freshers Squash, a Desserts Party, our Annual Dinner and a Garden Party. Once a year we compete in a traditional Cricket match against the Trinity Mathematical Society.

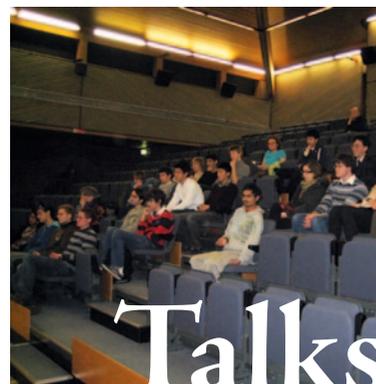
The Committee

The committee of the Adams Society is elected each year at the Annual General Meeting in Lent Term. The current committee is

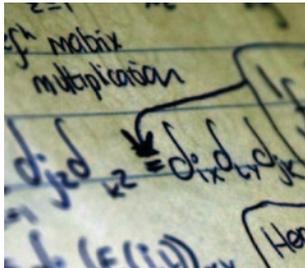
PRESIDENT	Philipp Legner	pjl48@cam.ac.uk
SECRETARY	Jacob Lever	gd12@cam.ac.uk
SOCIAL SECRETARY	Sophie Dundovic	sd518@cam.ac.uk
TREASURER	Omar Deen	oud20@cam.ac.uk
SENIOR TREASURER	Prof. Peter Johnstone	ptj@dpmmms.cam.ac.uk

Our Website

In addition to a section on the website of St John's College, we maintain a regularly updated website at adams.soc.srcf.net as well as a Facebook page. Our website counted more than 3000 visits last term.



Calendar of Events 2010-11



Impredicativity – what it is and why it matters

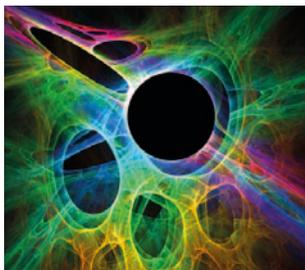
A talk by Dr Michael Potter

Dr Michael Potter works in the Faculty of Philosophy and will talk about a more unusual area of mathematics. Do take advantage of this unique opportunity to learn about metamathematics.



Adams Society Desserts Party

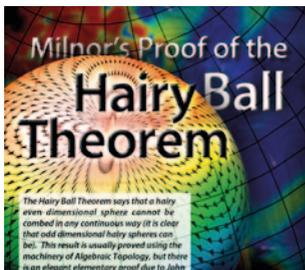
The annual Adams Society Desserts Party is a great opportunity to get a traditional Cambridge experience with all of your favourite mathematics students. There will be plenty of port, wine and coffee, as well as exotic fruits, nuts and cheese.



Introduction to String Theory

A talk by Prof. Michael Green, FRS

Michael Green is successor of Stephen Hawking as Lucasian Professor, and one of the leading experts in String Theory. This talk is a brilliant opportunity to get a general overview of the field, whether you like pure or applied mathematics.



The Hairy Ball Theorem

A talk by Prof. Pelham Wilson

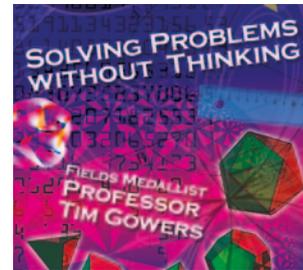
The Hairy Ball Theorem says that a 'hairy', even dimensional sphere cannot be combed in any continuous way (it is clear that odd dimensional spheres can be). There is an elegant elementary proof due to John Milnor (1978).



Annual Dinner

With guest speaker Prof. Imre Leader

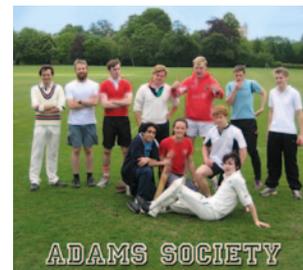
Our traditional annual dinner in the senior combination room was a great success. With a record attendance, a fantastic menu and Professor Imre Leader as guest speaker, there was nothing that could have gone wrong.



Solving Problems without Thinking

A talk by Prof. Timothy Gowers, FRS

We are honoured to welcome the initiator of the collaborative Polymath Project, author of many famous books such as *The Princeton Companion to Mathematics* and winner of the Fields medal, the highest award in mathematics: Tim Gowers.



Annual Cricket Match

against the Trinity Maths Society

Congratulations to everybody who took part in the traditional annual cricket match against the Trinity Mathematical Society. Our team played really well, but after a long and exciting match, we lost narrowly.



Adams Society Graden Party

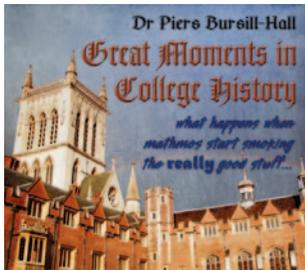
As every year, our garden party was a wonderful event for students and fellows to relax after Exams, with plenty of Pimms, cream cakes, sausage rolls, strawberries and Croquet. We were delighted to see some alumni, invited in celebration of the college's Quincentenary.

Calendar of Events 2011-12



Freshers' Squash

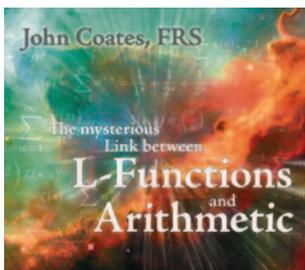
Welcome to all new mathematicians! Our Freshers' squash is the best way to meet the other mathematics students at St John's College, and promises to be an entertaining and fun-filled evening.



Great Moments in College History

A talk by Dr Piers Bursill-Hall

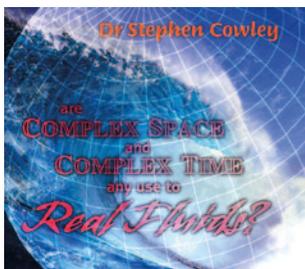
In celebration of the college's Quincentenary, we have invited Dr Piers Bursill-Hall to give a talk on "Great moments in college history", with focus on the Johnian mathematician, magician and adviser to Queen Elizabeth I, John Dee (1527 – 1608).



The mysteries Link between L-functions and Arithmetic

A talk by Prof. John Coates, FRS

Sadleirian Professor and former President of the London Mathematical Society John Coates will talk about mysterious connections in Number Theory: between L-functions and arithmetic.



Are Complex Numbers any Use to Real Fluids?

A talk by Dr Stephen Cowley

Dr Stephen Cowley, Chairman of the Faculty Board, will ask whether we really need complex space and complex time to model fluids.



Adams Society Film Night

Showing Good Will Hunting

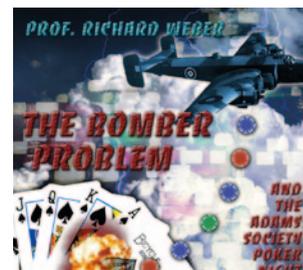
Together with the St John's Film Society, we present three-times Academy Award winning movie Good Will Hunting, starring Robin Williams, Matt Damon and Ben Affleck.



Adams Society Desserts Party

With guest speaker Prof. Peter Wadhams

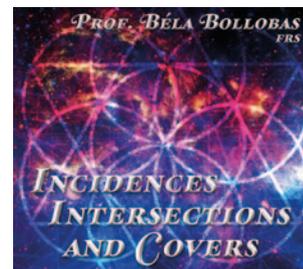
After dining in Hall, we will gather in the elegant Wordsworth room, where a variety of exotic fruits and cheese will be served. Peter Wadhams is Polar Ocean scientist and expeditioner. In 1987, he received the Polar Medal presented by the Queen.



The Bomber Problem

A talk by Prof. Richard Weber

The 'Bomber Problem' in Markov decision processes has many non-military applications, such as in investment and management, but it is traditionally posed in "plane language". The talk should appeal to those who like applied probability.



Incidences, Intersections and Covers

A talk by Prof. Béla Bollobas, FRS

Prof. Bollobas will present some classical gems together with several recent results concerning incidences of points and lines, and intersections and covers of sets. He has invited us to a wine-and-cheese party after the talk.

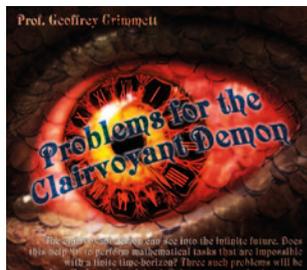
Supporting the Society



Annual Dinner

with Guest Speaker Sir John Ball, FRS

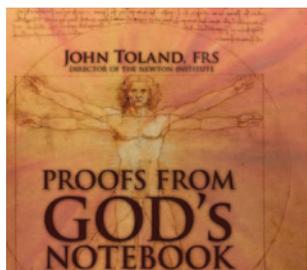
One of the highlights of the year: a fantastic 5-course meal served in the candle-lit Senior Combination Room. John Ball, himself a Johnian, is President of the International Mathematical Union, having received many countless awards.



Problems for the Clairvoyant Demon

A talk by Prof. Geoffrey Grimmett

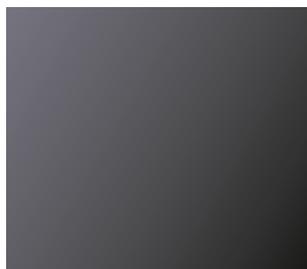
The clairvoyant demon can see into the infinite future. Does this help 'it' to perform mathematical tasks that are impossible with a finite time-horizon? Problems will involving infinite of coin tosses.



Proofs from God's Notebook

A talk by Prof. John Toland, FRS

Professor John Toland has joined St John's College last summer and is director of the Newton Institute. He will talk about a beautiful and subtle result about polynomials, involving calculus and the Fundamental theorem of Algebra.



Behavioural Finance and Magic

A talk by Mr Paul Craven

Paul Craven is Johnian, member of the Magic Circle and Manager of Institutional Business at Goldman Sachs Asset Management.

Sponsoring the Adams Society will enable us to continue organising a large number of high profile events for mathematicians, and help you reach a large number of some of the best students in Cambridge in a variety of ways.

Publicity

Your logos will appear on our term cards, as well as on the beautifully designed posters, which are displayed all over the Faculty of Mathematics, and in all undergraduate mathematics lectures.

Talks and Events

Our talks are free and usually attended by around 50 students from all colleges. We are happy to distribute flyers and other promotional materials.

Website

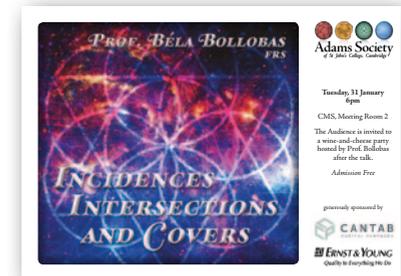
Our new website is visited over 3000 times each term, and includes information about upcoming events, contact details and an extensive archive. As a sponsor, you will get you own page, to include links to your websites or information about graduate recruitment.

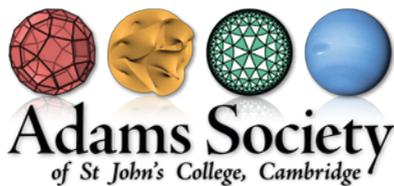
Email Lists

Every term, we send many emails to our members, with information about upcoming events. Your name, together with a link, will appear in the footer of these emails. We are also happy to send specific emails with information you would like our members to get (such as application deadlines).

Facebook

You are welcome to advertise on our Facebook page, with a viral reach of over 200.





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