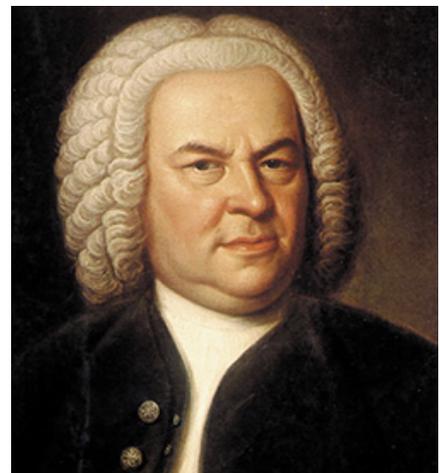
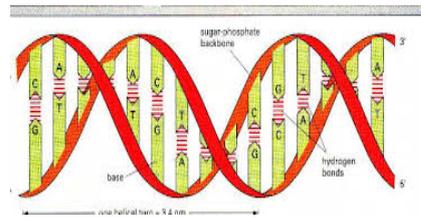


Studium

15 October 2014



Session 1

9.15 – 10.15

Lord Selborne

The Role of The House of Lords

Lord Selborne is an elected hereditary member of The House of Lords and is chairman of its Select Committee on Science and Technology. He previously served as Chancellor of the University of Southampton, Chairman of the Agricultural and Food Research Council, President of the Royal Geographical Society and Chairman of the Trustees of Royal Botanic Gardens, Kew. The House of Lords shares responsibility for law-making with The House of Commons and, before becoming Acts of Parliament, Bills (draft laws) are debated and scrutinised by both Houses. As an unelected chamber, the Lords' amendments may not be agreed by the Commons but the Lords has a crucial ability to ask the government and Commons to think again and put forward alternative proposals.

Doug Coleman

From Glaciers to Grasslands

Doug Coleman is a botanist, who has studied forests and flora of North America. He will be discussing how North American forests evolved and will show slides of the great open spaces that still have intact ecosystems. These will include:- Canadian maritime areas, Florida scrub, Appalachian highland forests, tall grass prairie, peaks of the Rockies, the Pacific northwest forests, and the cactus forests of the American southwest.

Robin Saikia

Venice

Robin Saikia is an Old Wykehamist who now lives in Venice. He has written the Blue Guide to the Lido. He will be talking about the history and culture of Venice.

Nick MacKinnon

Poetry Reading

Nick MacKinnon is a mathematics teacher who writes poetry. In 2013 his poem *The Metric System* won the Forward Prize for the best single poem published in the year. He will read some of his recent and older work, and also poems by living and deceased rivals, interspersed with gossip.

James Webster

Hooligans and Plutocrats: Edwardian Society from the Riverbank and the Wild Wood

The Wind in the Willows is a book which will, doubtless, have formed part of the childhoods of many of us. Whimsical and charming, it is usually regarded simply as a work for children. However, it also offers a way of beginning to understand some of the anxieties and problems that troubled Edwardian Britain. This talk explores those themes in society, politics and Graeme's masterpiece. James Webster has taught History and Division at Winchester College for twenty-two years. He has long been of the opinion that '*there is nothing, absolutely nothing, half so much worth doing as messing about in boats; simply messing about in boats!*

Andrew French

The Art of Computer Programming

What is the connection between the art of Piet Mondrian, the fractals of Benoit Mandelbrot, ciphers, ammonites, the collision of galaxies, and samples of classic rock music? The answer is *code*. Computers are increasingly interwoven into the fabric of our cultural lives, and a fantastic range of opportunities exists for creative expression (and possibly lucrative employment) if you know the language to manipulate this technology. This lecture is an eclectic tour of the art of the possible. No prior programming experience is required. Dr French teaches Maths and Physics at Winchester College.

Nicholas Wilks

Colombia 2014 - Progressive music-making in the South American youth orchestra movement

NPW and participants in the recent trip to Colombia will talk about their experiences and explore the ways in which music has become an agent for social change in Latin America.

Peter Krakenberger

The Destruction of Troy the Great

Peter Krakenberger taught Mathematics at Winchester College for 40 years. His favourite hobby is illuminated medieval manuscripts. His talk, entitled "The Destruction of Troy the Great", will be about the manuscript of the same name ("Ystoire de la Destruction de Troie la Grant") that was handwritten and decorated around the year 1500 in the workshop of the great French book artist Jean Colombe in the Loire valley. There are sixteen very large paintings in it, as well as over 50 smaller ones. These illustrations will evoke a sense of nostalgia in you of the great heroic deeds of the past, and will vividly recreate the magnificent epic that is the Iliad.

Session 2 10.50 – 11.50

Tim Mason

The Plague: 1000BC to 2000AD

The very name plague has been enough to strike fear into the hearts of millions over the centuries, but where did it come from and where has it gone? This talk starts with speculation that the disease which, according to The Bible, was thrust upon the Philistines by the Almighty for beating the Israelites in battle. We then come on to the reign of the Roman Emperor Justinian in the sixth century AD where “the whole world” was affected. Next comes the one we all know about, The Black Death which caused devastation over more than three centuries. Only at the end of the nineteenth century though did scientists isolate the causal agent of what became known as the Third Pandemic of Plague and which continued from 1850 to 1950, subsequently pinning the name *Yersinia pestis* upon it. Tim Mason is a Microbiologist, working in a discipline which includes the study of Bacteria, Viruses, Vaccines and Antibiotics.

Phil McDonald

The rewards of volunteerism; Operation Smile and the challenges of working in developing countries

Every minute a child is born with a cleft lip or cleft palate (a hole in the face). This means that 500,000 children are born every year with a cleft, most of whom will not receive an operation. Many will die. A simple operation taking 45 minutes will mean that these children will lead a normal life. Our aim at Operation Smile is to build sustainable international healthcare capacity to treat all these children. We can only do this by teaching doctors in developing countries the skills they need. They can then in turn do thousands more operations during their working life. Phil McDonald qualified as a doctor from Liverpool University. His anaesthetic training was in Oxford and Australia and he has been a Consultant in Anaesthetics and Intensive Care at St Richard's Hospital, Chichester since 1996.

Liza Filby

Mastering the Art of Public Speaking

N.B. This is a double session

We can make more of an impact from what we say than from what we write in this world and yet we are rarely given the tools and the training in which to do it. Whatever career you wish to pursue, public speaking is a necessary evil but can be learnt. Drawing on acting techniques and rhetorical theory, this interactive workshop will teach you how to write a speech and most importantly, how to deliver it. It will cover how to calm nerves, voice projection, body language and the key components to speech writing. All participants receive a pack outlining the content of the course. Dr Eliza Filby is a businesswoman, writer and academic. She is currently a lecturer in Modern British History at King's College London

Tanya Sirotna

The musical sound world of Benjamin Britten and Peter Pears

In the output of the great modern British composer Benjamin Britten (1913-1976) a special place is reserved for his vocal works. Many of these were dedicated to and written for his friend Peter Pears. In this talk I will discuss how Britten's understanding of the human voice influenced the vocal and dramatic qualities of Peter Pears' performance from the time of their first meeting and resulted in a particular brand of artistry. These qualities would later become characteristic for late twentieth-century British vocal performance. The talk will be illustrated by video and audio clips and photographs. Tanya Sirotna was educated as a classical conductor (Russia), singer (UK) and musicologist (UK). Arriving in the UK in 1994, she completed an MMus at the University of Leeds, and was awarded the degree of PhD in Russian opera in 2007. As a musicologist she specialises in Russian Opera of the first part of the twentieth century (1901-1936), on which subject she contributes at conferences and writes on a freelance basis.

John Pilkington

A Balkan Adventure

In 2013 John spent the summer walking from Trieste to Istanbul. Or to use his own words, “walking, hitch-hiking and generally bumbling”, which he found was the best way to enjoy the mountains and meet people in the remotest villages. In the last 25 years the Balkans have abandoned communism, endured brutal conflicts and taken small steps towards coming together with the rest of Europe. From Albania he carried on through Greece's precipitous northern borderlands to Bulgaria, before continuing to the Bosphorus, where Europe gives way to Asia.

John Newsam

Skin – A Barrier to Cross for a Start-Up Company

We introduce the structure and composition of the skin and explain how its amazing barrier properties are developed. This barrier function is critical to preventing both the ingress of noxious compounds from our environment, and the egress from the body of ‘our’ molecules. Yet, certain compounds do diffuse through the skin and, by formulation engineering, we can enhance the dermal or transdermal delivery of a range of molecules to levels that are physiologically useful. Products that are more effective at treating pain, addictions, dermatological conditions, and so on then become viable. But why is delivery into or through the skin so attractive? John M Newsam serves as CEO of Tioga Research, a biotechnology company in San Diego, and as Adjunct Professor in the Chemistry and Biochemistry Department at the University of California, San Diego.

Neil Gibson

How comics can help you study and work

Comic books are often regarded as childish or somehow inferior to traditional books. This talk explains not only how comics can and should be respected on a par with other art forms, but also shows you how comics can help you in your studies and your future career. After leaving Winchester, I studied a Masters in Mechanical Engineering at Birmingham University. After taking a gap year I worked in the Oil and Gas sector around the world for many years before studying for an MBA at London Business School. I then became a management consultant and helped various companies improve their operations. In 2012 I left it all behind to follow my passion and work with comic books. My first book topped the Amazon kindle chart in 2013

Hawkonthewildside

Bird of Prey Display

Come and experience Falconry with Hawk on the Wild Side. We will have a selection of owls, hawks, falcons, buzzards, eagles and vultures with experienced falconers on hand to tell you about the birds and answer any questions. During our flying displays we may be asking for volunteers, so expect to be getting up close and personal with birds of prey. We are looking forward to sharing our passion for falconry and birds of prey with you.

Peter Krakenberger

The Destruction of Troy the Great

Repeat of Session 1

Session 3 12.00 – 1.00

Robin Mills

Understanding WW1

There is hardly a family in Britain untouched by World War 1. The evidence is that Churches throughout the land are better attended on Armistice Sunday than at any other time except Christmas and Easter.

So, people's knowledge of WW1 tends to start at that emotional level of family, friends or Parish and the casualties that affected them. The purpose of my Presentation is to help people comprehend WW1 and give them a structure for interpreting the deluge of information over the next four years.

D. R. Thorpe

On Writing Biography

An account of the work involved in writing the biographies of major political figures, including details of interviews with the Queen Mother, all the Prime Ministers from Harold Macmillan to Margaret Thatcher, and several cabinet colleagues of the subjects; details of work in various archives, including at the President Kennedy Library in Boston. Anecdotes of some of the amusing by-roads in the work, and visiting places associated with the subjects. When Harold Nicolson began his life of George V he said it was like setting off in a taxi for Vladivostock. The speaker knows how he felt. D.R. Thorpe is author of *The Uncrowned Prime Ministers: a study of Austen Chamberlain, Lord Curzon and Rab Butler*; author of *Selwyn Lloyd; Alec Douglas- Home; Eden The Life and Times of Anthony Eden 1st Earl of Avon, 1897 - 1977*; and of *Supermac: The Life of Harold Macmillan*, winner of the Biennial Marsh Biography Prize, 2010, and shortlisted for the Orwell Prize for Political Book of the Year, 2010.

Liza Filby

Public Speaking workshop (double session)

Part 2

Hawkonthewildside

Bird of Prey Display

This is a repeat of session 2

Julian Meredith

Blue Fin

I have always had a deep respect for people who live and work in close connection with the natural world. My own work is an extension of my practical knowledge of aspects of the wild. For years I drew flowers, but it wasn't until I started keeping bees that I began to understand them. I gathered branches from dead elms and began making constructions, twenty feet or so across, and increasingly large prints. The printmaking process impregnates the wood with pigment and paraffin, giving it an almost fossil-like quality. The prints that I take from the blocks have a light, airy quality, the opposite to the nature of the wood itself. As the printed paper comes up off the block it's a bit like the spirit of the fossilized wood. Julian Meredith is a professional artist

David Adam

Dark thoughts and strange urges

Most people have weird thoughts that alarm and distress them. That's normal, but some people take them too far. When does a strange idea become a crippling mental illness? David Adam is a successful journalist but also suffers from obsessive-compulsive disorder (OCD). In this talk he will describe his experiences and what he has learned in writing a book about them. David Adam is an editor and writer at Nature, the world's top science journal. He has been a journalist for 15 years, writing for the Guardian, Sunday Times and the Daily Mail. His book on OCD, called *The Man Who Couldn't Stop* was published in April and was a Sunday Times bestseller.

John Newsam

The Potential Entrepreneur in Each of Us

Do you have an idea for a new business? If so, might you figure out if it is worth your while pursuing or not? Would you like to have an idea for a new business? If so, how might you go about finding or developing one? We will work together as a small group to explore these questions, building on the specific interests of the actual participants. Come if you are interested, come if you are curious, but come prepared to participate.

John M Newsam serves as CEO of Tioga Research, a biotechnology company in San Diego, and as Adjunct Professor in the Chemistry and Biochemistry Department at the University of California, San Diego.

Ian Fraser

High Plains Drifters – nine Wykehamists find adventure in Ethiopia's uplands

For 4 weeks over the summer vacation, nine Wykehamists and Mr Fraser were on expedition in Ethiopia. They set out to trek in the Bale mountains, to work for an education charity in the ancient capital Gondar, and to avoid Somalian terrorists. This is their story.

Frank Pope

The Science of Saving Elephants - from Hearts and Minds to High-Tech Tracking

Africa's elephants are in crisis, with ivory poaching driving population declines across the continent. Many forest elephant populations have lost 90 per cent of their number in the last decade. With demand for ivory in the Far East driving the poaching and increasing involvement in the trade by organised crime and even terrorist groups, a solution will require a global coalition. Save the Elephants is helping to build this coalition through anti-poaching, anti-trafficking and ivory demand reduction work. After Winchester Frank Pope went to Edinburgh University to read zoology. He then spent four years as the world's first Ocean Correspondent, working for the Times of London. In 2012 he evolved from the ocean and began working in Kenya as the Chief Operations Officer of Save the Elephants.

Session 4

4.00 – 5.00

Peter Williams

Russia and the Russians: A Riddle wrapped in a Mystery inside an Enigma

Why are the Russians not like us? What has made the Russians and, more particularly, their ruling elite so resistant to close cooperation with their Western neighbours? It is only by trying to view the world through the eyes of a Russian leader that we can come to appreciate why it is that their reactions to global developments are often so very different from our own.

The speaker will give his personal impressions and opinions based on over forty years of interactions with the Russians. Peter Williams spent over 30 years in the Coldstream Guards and enjoyed an unusually varied career. His final posting was from 2002 to 2005 in Moscow, where he started up and led NATO's Military Liaison Mission to the Russian Federation.

Douglas Carswell

Life as a UKIP MP

Douglas Carswell was elected Conservative M.P. for Clacton in 2009. He resigned his seat in August 2014 and joined UKIP. He hopes to win the by-election and become the first UKIP MP.

Roger Elgood

Insight into Blindness

Roger Elgood was educated at Bradfield College and Trinity College, Cambridge. He taught Biological Sciences at Monmouth School and Ardingly College, becoming Headmaster of a small independent school in Surrey. He moved to Teesside to take over the Headship of an independent school of 600 pupils in 1978 and suffered detached retinas after cataract surgery in 1982 resulting in blindness. He then attended rehabilitation at St. Dunstan's (now Blind Veterans U.K.) at Brighton and Guide Dog training in Middlesbrough.

Jonathan Aitken

Prisons and Criminal Justice Reform

Jonathan Aitken was Chief Secretary to the Treasury under John Major. After serving 7 months in prison in 1999 for perjury, he has written and broadcast extensively on new ideas for reforming our criminal justice system. He admits to having had both a bird's eye view and a worm's eye view of the criminal justice system.

Brian Sutton

Symmetry: the key to discovering the DNA double helix

2014 is the International Year of Crystallography, celebrating the birth of X-ray crystallography 100 years ago. Undoubtedly one of the highlights of the century was the discovery of the double helical structure of DNA in 1953. Professor Sutton will describe the events that led up to this discovery by Francis Crick and James Watson in Cambridge, and the contributions of Maurice Wilkins and Rosalind Franklin at King's College London. Brian Sutton is Professor of Molecular Biophysics at King's, London.

Rod Parker

Can we continue to feed the world's growing population and is that compatible with conserving our natural environment?

The world's land resources and capacity to produce food are contrasted with current and projected population levels and expected developments in diet. The main historic drivers of change that have enabled food production to grow over the past century are examined to see what looks technically, politically and environmentally feasible over the next 50 years. Progressive advances in fertilizers, pesticides, irrigation and above all in conventional and GM crop breeding will further increase yields and crop quality, but these need to be coupled with continuing dismantling of farmer subsidies and international trade barriers in order to free up the intellectual and capital resources for future food requirements to be met. After leaving Winchester, Rod Parker read Agricultural Economic, which led to 11 years with the Battelle Memorial Institute, the world's first and largest contract research organisation, where he ran research programmes.

David Pinnegar

Could cars really run on water? Can oil companies be told to Frack Off?

Are there experiments which might go beyond the bounds of our current understanding of physics and in particular our vision of the law of the conservation of energy? The talk will deliberately avoid complex theory deliberately assuming that our theoretical understanding is incomplete and flawed. The lecturer will outline devices which suggest that forms of energy as yet untapped can be harnessed, looking at experiments which may be worthy at attempts of replication. The talk will be of interest not only to pure scientists but anyone interested in DT but more widely economics, and anyone who wishes to run a car, keep warm and eat food not having to be grown at home in thirty years' time. David Pinnegar studied physics at Imperial College. In 1981, he developed car-reversing alarms as now commonly fitted as standard and since been distracted in the restoration of a historic house which had been allowed into dereliction by Led Zeppelin!

Session 5 5.10 – 6.10

Robert Quinney

Specialised Subjects: form and "meaning" in the music of J.S. Bach

Bach's music is sometimes regarded as the ultimate in 'objective' art; intellectual, recherché, even unemotional. Yet he remains a central figure in Western culture, and continues to exert a powerful influence on composers and performers. What do we experience when we hear, or perform, Bach's music? Is it something embedded in the form and material of 'the music itself'?

Robert Quinney is Organist and Tutorial Fellow in Music at New College, Oxford and Associate Professor at the University Faculty of Music.

David Cohen

The unusual maths of everyday things

I am a professor of Computer Science at Royal Holloway, University of London, where I teach robotics and Software Engineering. I have eighteen years professional experience as a software engineer in Industry. I am a STEM ambassador, a university outreach officer and regional representative for Computer At Schools. I regularly visit schools to present exciting and interesting mathematics and computer science.

Alistair Hignell

When the Goalposts Shift

As a sportsman, Alastair Hignell played rugby for England and cricket for Gloucestershire. As a broadcaster, he commentated on over 200 internationals, worked at 6 World cups and reported on 4 Lions tours. Then he was diagnosed with Multiple Sclerosis. In this talk, he explains how a personal experience of a life-changing event has universal relevance and shows how the likes of Jonny Wilkinson and Nelson Mandela, Sir Clive Woodward and Christopher Columbus have shaped his philosophy.

Will Hale

How do you solve a problem like Helmand?

With so many agencies having interests in bringing what they regard as peace and development to Southern Afghanistan, is it any wonder that there is so much uncertainty over defining success in the area, and even more uncertainty over how close we are to that success. This talk will give the audience some background to the coordination efforts which have been quietly taking place in Helmand since Dr John Reid committed troops there in 2006, and will then place them in the position of some of those responsible for the decision making there to see if they can come up with better answers to the challenges encountered. William Hale joined the Royal Marines Reserve in 1998. After two previous deployments, in 2012 he was called up to deploy to Helmand on the staff of the 2* US Marines Headquarters, Regional Command (South West), responsible for liaising with the civilian authorities for the development of Governance in the province.

Angela Findlay

The Second World War through the eyes of an ordinary German family

The Second World War is a subject that has an on-going and infinite fascination for so many. Through personal family stories Angela brings it to life, not only from the point of view of an ordinary German family living under Hitler's dictatorship but of her grandfather, a decorated German General in the 1941-2 invasion of Russia. Extensive research into the subject uncovers the huge burden of guilt still experienced by many Germans even today and the country's efforts through art and memorials to process, apologise and atone for one of the darkest periods of history. Angela Findlay is a professional artist and freelance lecturer with a long career of teaching art in prisons and Young Offender Institutions in Germany and England.

Boris Rankov

The Olympias Project: The Reconstruction of an Ancient Greek Warship

One of the oldest puzzles in classical scholarship whether the ancient trireme, the most significant warship of the ancient Mediterranean, really was rowed with three levels of oars, something which most scholars believed to be impossible. The talk will explain how the evidence for these ships, of which no wrecks survive, was pieced together from literary texts, visual depictions, inscriptions, and the remains of the sheds in which they were housed; how this evidence was used to arrive at a viable design; and how a full-scale ship was built and rowed in the Aegean by 170 oarsmen as an archaeological experiment, to demonstrate that it could be done. Boris Rankov is Professor of Ancient History at Royal Holloway, University of London and Chairman of the Trireme Trust. He rowed in six winning Blue Boats for Oxford, is a Steward of Henley Royal Regatta, and has umpired at the Boat Race, Henley Royal Regatta, and the World Rowing Championships.

Per Wimmer

The Sky Is No Limit

All presentations depart from Per Wimmer's exciting preparations for his trip to space in 2015 and will include video clips from training preparations (incl. weightlessness training, fighter jet flying, centrifuge training, SpaceShipOne launch, etc.), chronology of the project development from idea to reality, pre-launch preparations, the challenges and resistance along the way, reactions from family, friends and colleagues, etc. The presentation will focus around the Seven Wimmer Fundamental Values and how these are applied through the WimmerSpace adventures. Per Wimmer is expected to be the first Danish citizen ever to enter space.

Richard Hone

Blood on the Street. What does a joint enterprise murder really mean?

The talk will consider recent murder cases of interest and in particular what is joint enterprise liability in murder, illustrated by a real case (July 2014) with Jury Directions of Law. Richard Hone was called to the Bar by Middle Temple in 1970 and was made QC in 1997. He started practice with criminal cases but after 10 years turned to civil cases doing a wide range of interesting work, finally specialising in clinical negligence. He litigated about 1200 clinical negligence cases involving nearly every organ in the human body. He was appointed an Old Bailey Judge in 2004.

Lucy Kinton

The Sacred Disease: understanding and treatment of epilepsy from Hippocrates to the present day

Epilepsy is a common condition which has a huge impact on people suffering from it. It has been stigmatized over the years because of the dramatic appearance of seizures. Hippocrates felt that epilepsy was like any other disease, not divine punishment or demonic possession. In the 21st century we understand more about the causes and underlying problems which can generate epileptic seizures but treatment advances are still in their infancy. The talk will set epilepsy in the context of neurology and also its history. It will talk through how understanding of epilepsy and its investigation and treatment has changed over the years. It will also set out how much further work has to be done to improve treatment. Dr. Lucy Kinton is a consultant neurologist.