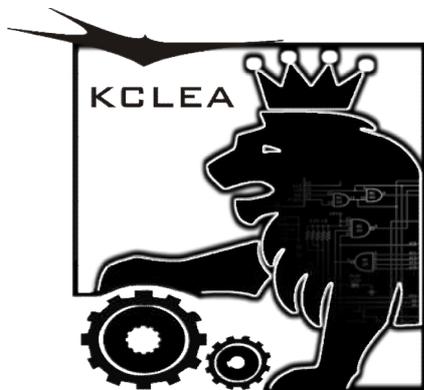

THE KING'S ENGINEER BULLETIN

(Very late) Spring 2020



2020 Postponed !

Date for your Diary

AGM & Engineers' Dinner

Saturday 21st November 2020



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**A message from
the President
by David Blacoe**



Last century the “Roaring Twenties” was a time of recovery from the devastating Great War, but this century we have entered the third decade with a global health and economic disaster which was completely unforeseen. There have been numerous analogies with the need to maintain a “wartime spirit”, but this time the enemy is totally invisible. What is quite clear is that this conflict will only be won by scientists and engineers in researching, developing, testing and manufacturing at large scale and in record time. History has shown that human ingenuity produces quantum leap advances when faced with life-threatening challenges. We must hope that these mature fast enough to save our economic livelihoods!

You will be aware that of necessity, we have cancelled our Annual Lunch date, planned for the Queen’s Official Birthday on 13th June. However, we are hoping to hold a reunion meal alongside our AGM in late November in the expectation that we will be permitted to organise “public gatherings” by then. Keep up to date by following developments on our website: www.kclea.org.uk.

WE WILL MEET AGAIN SOON!

The KCLEA intends/hopes to hold its AGM and formal Dinner on Saturday 21st November 2020. If events concerning Coronavirus do not allow this we have also booked a room for Friday 20th November at 18:30 to hold the AGM. Please hold these dates in your diaries. More information will be released nearer the date via the next edition of the Bulletin and on the KCLEA’s WEB site www.KCLEA.org.uk

Mike Clode



Did you Know ? *King's Engineers* by Keith Newton



Most people will be familiar with the record sleeve showing the Beatles crossing a pedestrian crossing over Abbey Road in St John's Wood, London. What may not be so well known is that the crossing was close to the EMI recording studio. In the mid-1920s, Trevor Osmond Williams, Chairman of The Gramophone Company, had placed Frederick Harold Dart of the technical recording department in charge of the project to find a site for and construct a recording studio and this site was the resultant recommendation. This was the birth of EMI Studios, later to be known as Abbey Road. FREDERICK HAROLD DART was a King's Engineer (1919-22). So, without King's Engineering that photo would never have been possible! Dart went on to join the BBC as a recording engineer in 1935, joining that other King's Engineer, Sir Noel Ashbridge who was by then the Chief Engineer of the BBC.



Original Photograph



Socially distancing photograph

One of the significant coups by the Allies in the Second World War was the cracking of the German codes coming out of the Enigma machine. This was largely done by a team working at Bletchley Park in Milton Keynes, Buckinghamshire. This team had the back-up of a team of scientists and engineers. One of these was Francis Oliver Morrell who was the head of the telegraph and teleprinter group at the Post Office Research Station at Dollis Hill, North London before the summons came. He was acknowledged to be an expert in teleprinter equipment and was approached in the summer of 1942 to engineer part of the Colossus machines that were developed to break the Enigma code by the Bletchley Park codebreakers. FRANCIS OLIVER MORRELL was a King's Engineer (1923-26).



A message from the Head of Department of Engineering by Professor Barbara Shollock



To support our ambitions, we have actively been engaging with the academic community, schools, industry, and the wider community about the launch of the new Department. The Department has begun growing its academic base and currently has 24 members. We are hiring people committed to engineering education alongside innovation in research. New appointees include two UKRI Fellows, an Imperial College Fellowship holder, and a US IBM Faculty Award holder with 59 patents. Our most recent appointment is Claire Lucas, IET's Young Woman Engineer 2019, who will join in August 2020. We are planning to develop the historic river-facing Embankment building to house our new research activities for Engineering a Sustainable Future. The location at the heart of the Strand campus will ensure engineering solutions are integrated with King's wider strengths in policy, entrepreneurship, humanities and business to impactful research and innovations. We are moving forward in achieving our aims to lead the sector in engineering education and research, as well as address gender stereotypes in engineering in our curriculum and staff. In 2019/20, the percentage female undergraduates on our courses was 20% compared to a sector average of 17%, the percentage of female of our postgraduate taught students is 43% compared to a sector average of 26%, and 28% of our postgraduate research students are women compared to a sector average of 25%. With the appointment of Claire, 40% of our professors will be women, and our recent appointments mean 80% of our lecturers are women.

We have designed a high-quality, distinct curriculum that is dynamic, responsive to the needs of employers, and attractive to the next generation of engineers. We have been awarded a Royal Academy of Engineering Professor, Anusha Shah, who works for Arcadis in sustainable and inclusive design to bring industrial insight into our curriculum.

For the 2020 entry for General and Electronic Engineering, we have nearly twice the applications we had last year. Our Electronic Engineering portfolio of courses saw an increase of more than 60% on the previous year, with one course seeing over a 200% increase in applications. We have seen a 50% increase in applications to our MSc courses.

Our Electronic Engineering Undergraduate courses have moved up 10 places to 16th in the 2020 Good University Guide, placing us 2nd in the key 3 London universities, ahead of UCL. <https://www.thecompleteuniversityguide.co.uk/league-tables/rankings/electrical-and-electronic-engineering>



Obituaries

*Engineers who have
sadly died in the past year*



The KCLEA has been notified of the following deaths

<i>Name</i>	<i>Discipline</i>	<i>Class of:</i>
Christopher Pennington	Mechanical	1954
John Wragg	Engineering	1952
Denis Dowling	Engineering	1951

The KCLEA has also received notifications of the following deaths

Name:	Class of:	Year of death:
Datoru Promise Simeon Abam	1973	2016
Davidson Bankole Atere-Roberts	1973	2016
Christopher John Philip Bensted	1958	2016
Edgar Leslie Biss	1959	2016
Patrick Walter Caine	1941	2016
John Griffiths Staple Price	1958	2016
John Howard Warren Barry	1945	2017
Dr Ahmed Moharram (senior)		2017
Peter Charles Kerrison Sladden	1940	2017
Roger Gabriel Eugene Franks	1948	2017
Geoffrey Stuart Daniel	1970	2018
Stanley Christopher Jeffs	1947	2018
Peter John Ollerenshaw	1969	2018
Arthur Taylor Visick	1943	2018
James Austin	1950	2019
Walter S Kohn	1955	2019
Maxted Reynolds Leeson	1953	2019
Ian Donald Williams	1964	2019*
Norman Norbridge Davis	1951	2020

* See next page



In Memory

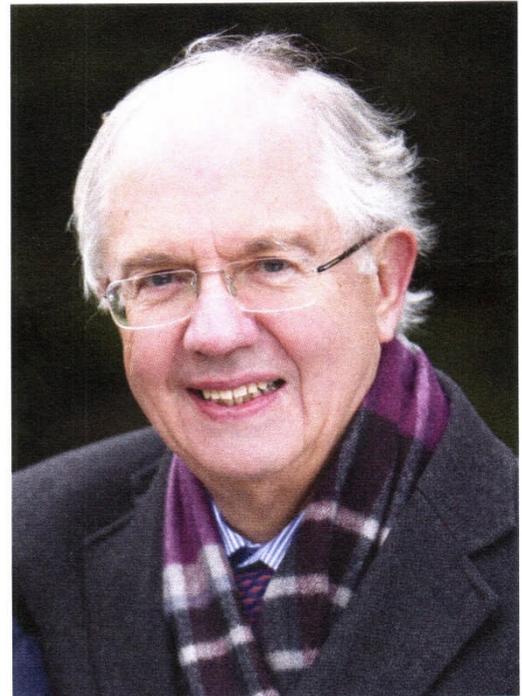


Ian Donald Williams. 1942-2019

Born: November 1942,
South West Essex registration district
(Cann Hall, Leyton, Walthamstow, Wanstead,
Woodford).
Died: 25 October 2019, Chelmsford, Essex.

King's Engineering: 1961-64.

Ian studied Mechanical Engineering at King's and joined Rolls Royce at Derby on graduating, where he worked on the development of aircraft engines and, incidentally, met his wife-to-be. On one occasion, many years later on a visit to the Imperial War Museum at Duxford airfield in 2012, he used the knowledge obtained at Derby to give an informative impromptu lecture to a group of KCLEA members.



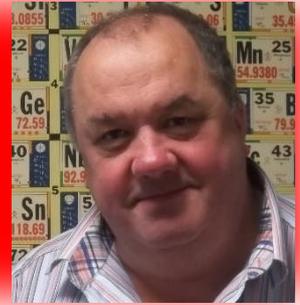
After a few years, Ian decided that engineering was not for him and he then studied for and became a Chartered Accountant. He was a Partner in Crouch Chapman LLP, Chartered Accountants in the 1990s but moved to Benedict Mackenzie LLP as the equivalent of a Partner in December 2003 until September 2011.

As KCLEA's 'in-house' accountant, Ian played a sterling role as the Association's Honorary Auditor for many years. In recognition of this he was awarded the '13 Club Trophy' in 1995 and the citation read 'in recognition of many years of service to the association as Honorary Auditor'. He continued as Honorary Auditor for a further 24 years. In addition to this role he frequently attended KCLEA committee meetings to offer sage advice, not only on financial matters. Until his last illness he was advising on the tax situation of the Association, had successfully done battle with M&G in connection with KCLEA's holding in one of M & G's funds and had clarified with the College the status of the Bursary Fund and its reporting to the Association. He was always available for discussion and will be sorely missed.

Keith Newton



Editor's Oddment by Mike Clode

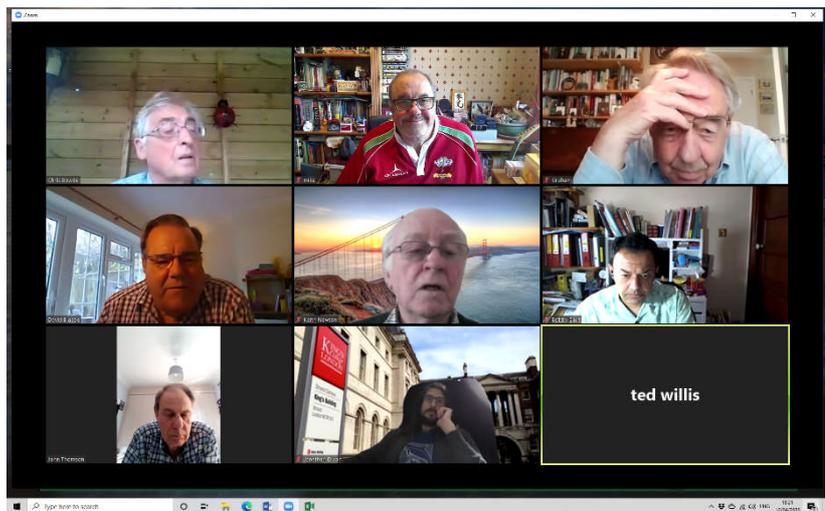


How is 2020 going for you ? I hope this edition of the Bulletin finds you well and I hope you have managed to cope with these unprecedented times. I apologise for the late publication of the Spring edition of the Bulletin. To be fair it wasn't because I was too busy !!!

Unfortunately this edition of the Bulletin is slightly thin so I would very much welcome contributions of all types for the next edition in September (i.e. next month !!!) .

I wish you all the very best. Take care and stay safe.

The KCLEA Committee has met twice 'virtually' on the 16th April and 16th July. With thanks to Jonny Dixon for arranging the Zoom meetings we were able to continue discussing KCLEA business. We hope to meet 'in person' on the 8th October 2020 when we might have a better idea of the likelihood of the AGM/Dinner going ahead



**Provisional Date for the AGM and Formal Dinner is:
Saturday 21st November 2020**

I will leave you with a thought.

“Scientists investigate what already is; Engineers create that which has never been.”

Albert Einstein

If you have any contributions to the Engineering Alumni of King's please e-mail me at kclea@clode.net. I am happy to consider contributions of all types, especially self indulgent ones. I wish you all the very best and look forward to hearing from you.