

LEEDS ASSOCIATION OF ENGINEERS

Founded 1865



REPORT and JOURNAL

For Sessions

2016/2017

2017/2018

2018/2019

2019/2020

2020/2021

Printed may 2021

EXTRACT FROM THE
“RULES OF THE LEEDS ASSOCIATION OF
ENGINEERS”
1865

OBJECTS OF THE ASSOCIATION

The association was formed for the purpose of bringing together those engaged in the direction and superintendence of the Engineering Industry, for mutual acquaintance and the exchange of opinions on interesting questions constantly arising from the progressive nature of the Engineering Industry; to arrange Lectures, Works Visits and Social Functions; and the circulation of information on technical and scientific subjects, or any question or knowledge which, from its novelty or usefulness, may be instructive or interesting to its Members.

Introduction 2021

The past few years have seen the Association continuing much as in previous times. Membership remains at similar levels with new members replacing those who have resigned. The successful Golf days have been an important source of signing new members. The average age of members remains high, the majority of us being retired. Many other organisations, not all associated with engineering, are in a similar position to us with reducing membership, and indeed several have closed, so we should be pleased that we can continue as before, with regular meetings and visits. Visits have become difficult to arrange, as insurance and safety requirements have discouraged companies from allowing groups to walk around working premises. Many no longer have a supervised evening shift. However, we have still managed to keep a full schedule, at least up until April 2020, with the usual numbers in attendance. Postage has been much reduced as most contacts are being made by Malcolm Murray by email.

Golf days have been well attended, very much due to the hard work by Steve Stacey in finding a suitable golf course and arranging the evening meal. We are also indebted to the many sponsors donating prizes for various sections of the competition.

We also had well attended mid-summer walks and supper, organised by Malcolm and Lynne Murray, and being joined by members of the Keighley Association at Bingley Five 5 Rise Locks.

The web site has continued throughout the period, thanks to the not inconsiderable time spent by Gordon Toulson arranging for articles to be in a suitable form. Several Members have contributed to the site during the past year, reminiscing in their early years of introduction to engineering. These are reproduced in the journal as an informative historical record of how training was years ago. Some of us may think it was a better way!

The Annual Church service continued with the usual attendance followed by a meal at the nearby hostelry. Our Chaplin is the Reverend Canon Sam Corley who joins us for lunch.

This year the Covid-19 situation has meant the cancellation of meetings of the Council, and members meetings since March 2020, including the Annual Dinner, Church service, and Golf day. Our President Ross wrote a letter to members explaining the situation as it affected the Association in June and for the record is included in the journal.

The Council, since the 4th of June, have had regular meetings using "Zoom" on the first Thursday of each month, with Andrew Kibler taking on the role of hosting the on line meeting. It has to be said that there were several errors in the first two meetings, generally light hearted confusion with hardware, and logging in, which have since been resolved. The first speaker meeting using "Zoom" was held in February 2021, and the second in March 2021.

We will be holding the 2021 AGM by "zoom," although we are not sure that this is against the spirit of the rules of the Association. The 2020 AGM was cancelled so we think this is the best way of holding the 2021 AGM as restrictions will not allow such a gathering in one place at this time. All members of Council are expected to retain their positions for a further year. Unfortunately the building in Cleckheaton where we held our lecture meetings

has been closed and sold, during the shutdown, for housing development. The Council is considering other venues. Council meetings are expected to continue at the Corner House when restrictions on meeting indoors are lifted.

It is now just over one year since people have been prevented from visiting friends, joining in groups or attending any function which we normally would. There was short period around September when we were allowed into our local pub for a meal, but then only a maximum of 6 six people were allowed together, and holding conversations with the next table was not really possible. Beer or alcohol was only served with a proper meal. The pubs were closed again very shortly afterwards, and we were back to full isolation. The best bit is that our food shopping is delivered to our house, to order, and that will continue even when we feel safe to go in a supermarket. It is not good, for example, that older people have been isolated in homes and not allowed visitors, but the alternative could have been much worse. We are not alone in this, and some consider it a better option than hospitalisation. Having had vaccinations there is some progress in sight.

What I find really irritating is the attitude of many people who are continually pointing out with loud voices, that this is a terrible situation. Perhaps they should remember, as I do, that families were broken up for four years, and more during wartime, and some people did not come back, ever. Some of those that did return were in such a bad state, both physically and mentally, which affected the rest of their lives. They rarely talked about what they endured. We had one family living near to us where the father was killed early in the war, and his wife was left with four young children to bring up, without any of the support available today. That was hard. So, we old folks just get on with it, even if we don't know what day it is!

However, some people have been genuinely badly affected by the Covid-19 virus. The illness has left them in a bad medical and mental state which has taken months to even partially recover.

The work done by hospital medical staff especially those working in intensive care wards has been remarkable as they have not had a break. Two nurses live next door to me (not the one mentioned later) and they come home, undress immediately, and put the clothes in the washing machine and promptly have shower to avoid contaminating the house. This was repeated every time, every day. They were exhausted, as the conditions of the patients in intensive care were the worst they have ever faced, as each patient needed constant attention by more than one nurse.

As I write this the situation is now much better as vaccinations and isolation are having a positive effect in the UK. The virus is expected to continue for years in different forms, and vaccinations along with boosters are expected to be altered to suit variations and be given for years to come.

Council hope that you will continue to support the Association in the future and endeavour to introduce new members to ensure we continue for many years to come.

JB

**Letter from President Ross Town to all Members 23 June 2020.
Reflecting Covid 19 effects on the Association.**

Dear Member,

What a horrific past 3 months we have had since my last letter. I just hope all of you are keeping well and staying safe and I am sure soon we will see an end to this pandemic. Even then, when we are all COVID-19 free, I fear we will have to adapt to the “new normal” for the foreseeable future,

So, I felt now was a good time to write just to give an update on the current situation of the Association and to confirm what we have discussed on the Council. First up all the way back in April we should have had our annual dinner which we did consider postponing but we have now sadly agreed to cancel until next year. Any member that had booked and paid should by now have received a refund from Mr Kibler. Soon after the dinner we, of course, should have all gone to Church to listen to your president do a reading. From discussions with the Church this has also been cancelled until next year.

We should by now have had our golf clubs out and spent the day in glorious sunshine at the Leeds Golf Club but with the current situation in mind our Golf Secretary, Mr Stacey, and the Golf Club have agreed to suspend our golf day booking until a later date; we can only assume until 2021. Mr Stacey, I am sure, will have contacted any member that had made a booking and will keep you updated individually on the golf day situation.

Our AGM has now been postponed until the next convenient time, more than likely to be next session and it was unanimously agreed that each council member will retain their positions for a further year.

The current lockdown measures in place also meant we missed our annual Summer Solstice walk and Pub Quiz. Always an enjoyable event (even though I missed the last one). So, I hope you all had a good Saturday evening wherever you were.

The Council has also agreed to a year's free membership for all, as a gesture for the lack of events, lectures and visits and going forward into next session we still have a handful of bookings which we will of course confirm and publish to the members but this is all dependant on the Governments lock down and social distancing rules and guidelines they will have in place come September.

Should you have any concerns please contact any council member.

Please continue to stay safe and keep well.

Best regards,
Ross Town
President, Leeds Association of Engineers

Officers of the Leeds Association of Engineers

2016/2017

President-, B. J. Yates, Esq.
Immediate Past President- A. Kibler, Esq.
Vice President- J. Aldersley, Esq.

Members of Council:-

I. A. Blakeley, Esq., A. Kibler, Esq., H. Kingswell, Esq.,
M. S. Murray, Esq., A. Rogers, Esq., I. Scholes, Esq.,
J. Shergill, JP., S. Stacey, Esq., G. Toulson, Esq.

2017/2018

President-, J. Aldersley, Esq.
Immediate Past President- B. J. Yates, Esq.

Members of Council:-

I. A. Blakeley, Esq., A. Kibler, Esq., H. Kingswell, Esq.,
M. S. Murray, Esq., A. Rogers, Esq., I. Scholes, Esq.,
J. Shergill, JP., S. Stacey, Esq., G. Toulson, Esq., R. Town, Esq.

2018/2019

President-, J. Aldersley, Esq.
Immediate Past President- B. J. Yates, Esq.
Vice President- R Town Esq.

Members of Council:-

I. A. Blakeley, Esq., Miss J. Burton., A. Kibler, Esq.,
H. Kingswell, Esq., M. S. Murray, Esq.,
A. Rogers, Esq., G. Roper, Esq., I. Scholes, Esq.,
J. Shergill, JP., S. Stacey, Esq., G. Toulson, Esq.

2019/2020

President- R. Town, Esq.
Immediate Past President-, J. Aldersley, Esq.
Acting Vice President- J. Aldersley, Esq.

Members of Council:-

I. A. Blakeley, Esq., Ms. J. Burton, A. Kibler, Esq.,
H. Kingswell, Esq., M. S. Murray, Esq.,
A. Rogers, Esq., G. Roper, Esq., I. Scholes, Esq.,
J. Shergill, JP., S. Stacey, Esq., G. Toulson, Esq.

Officers of the Leeds Association of Engineers

2020/2021

President- R. Town, Esq.
Immediate Past President- J. Aldersley, Esq.
Acting Vice President- J. Aldersley, Esq.

Members of Council:-

I. A. Blakeley, Esq., Ms. J. Burton, A. Kibler, Esq.,
H. Kingswell, Esq., M. S. Murray, Esq.,
A. Rogers, Esq., G. Roper, Esq., I. Scholes, Esq.,
J. Shergill, JP., S. Stacey, Esq., G. Toulson, Esq.

2021/2022

President- R. Town, Esq.
Immediate Past President- J. Aldersley, Esq.
Acting Vice President- J. Aldersley, Esq.

Members of Council:-

I. A. Blakeley, Esq., Ms. J. Burton, A. Kibler, Esq.,
H. Kingswell, Esq., M. S. Murray, Esq.,
A. Rogers, Esq., G. Roper, Esq., I. Scholes, Esq., J. Shergill, JP.,
S. Stacey, Esq., G. Toulson, Esq., B. J. Yates Esq.

Personality Profile

The association broke new ground in 2020 when Ms. Jennifer Burton joined Council for her first meeting on 3rd of January 2020.

Jennifer joined the Association in December 2018 and joined Council a short while afterwards, becoming the first female to be appointed to the Council.

Jennifer started her career in engineering in 2007, working in a customer service role within SKF.

She then moved onto a managerial role within SKF.

During her time as branch manager at SKF Jennifer studied Strategic Management and Leadership at Leeds Park Lane University House, graduating with a Chartered Management Institute Level 7 extended diploma in Strategic Management and Leadership.

In 2018 Jennifer changed direction within SKF moving into a Regional Sales role.

Outside of work Jennifer is a fond horse rider with a strong passion for travelling and being by the sea.



Council Members Graham Roper and Jennifer Burton attended the 2019 Annual Dinner.

Also in office throughout the period, 2017 to 2020 was:-

Honorary Chaplain:- Revd. Canon Sam Corley.

Trustees:- J. Bentley, Esq.,

K. J. Hegarty, Esq., I. A. Blakeley, Esq.

Treasurer:- A. Kibler, Esq.

Minute Secretary:- I. A. Blakeley, Esq.

Circular Secretary:- M. S. Murray, Esq.

Membership Officer:- M. S. Murray, Esq.

Dinner Secretaries:- J. Aldersley, Esq., A. Kibler, Esq.

Golf Secretary:- S. Stacey, Esq.

Web Master:- G. Toulson, Esq.

How to contact the Leeds Association of Engineers:-

Unless requested otherwise please address all mail via email using the 'Contact Website Editor' page in the main menu of the website:-

www.leeds-engineers.org.uk.

Mail will be redirected to the appropriate council member or to the association member as requested.

Secretaries of the Association

1865 to 1867	C. J. Dawson, Esq.
1867 to 1876	B. Radcliff, Esq.
1876 to 1877	C. C. Braithwaite, Esq.
1877 to 1880	James Bowers, Esq.
1880 to 1885	Rob ^t . Lupton, Esq.
1885 to 1888	James Bowers, Esq.
1888 to 1889	J. F. Elsworth, Esq.
1889 to 1892	Joe E. Tempest, Esq.
1892 to 1899	Geo. W. Blackburn, Esq.
1899 to 1902	W. J. Dickinson, Esq.
1902 to 1918	Rob ^t . Lupton, Esq.
1918 to 1920	F. Senior Temple, Esq.
1920 to 1937	T. S. Fraser, Esq.
1937 to 1944	J. Sanderson, Esq.
1945 to 1953	Thos Cooke, Esq.
1953 to 1958	R. Turner, Esq.
1958 to 1966	Mrs. Winifred Hunt.
1966 to 1975	J. L. Townend, Esq.
1975 to 1978	K. L. Horn, Esq.
1978 to 1981	J. King, Esq.
1981 to 2002	W. Shelton, Esq.
2002 to	G. Toulson, Esq. (Correspondence) I. Blakeley, Esq. (Minutes)

Treasurers of the Association

1865 to 1877	W ^m . Storther, Esq.
1877 to 1889	W ^m . Cryer, Esq.
1889 to 1892	Rob ^t . Lupton, Esq.
1892 to 1896	W ^m . Sheldon, Esq.
1896 to 1903	W. H. Drake, Esq.
1903 to 1907	W ^m . Sheldon, Esq.
1907 to 1909	C. Porter, Esq.
1909 to 1915	Jas. Scriven, Esq.
1915 to 1923	W ^m . Rainforth, Esq.
1923 to 1947	F. C. Bettison, Esq.
1947 to 1948	F. B. Mills, Esq.
1948 to 1953	F. S. Legg, Esq.
1953 to 1980	W. Armstrong, Esq.
1980 to 2002	J. B. Clarkson, Esq.
2002 to 2010	M. Armstrong, Esq.
2010 to 2011	J. Campbell, Esq.
2011 to 2017	J. Bentley, Esq.
2017 to	A. Kibler, Esq.

Journal Editors of the Association

1923 to 1927	Tho ^s . Cooke, Esq.
1927 to 1932	J. H. Hill, Esq.
1932 to 1945	Tho ^s . Cooke, Esq.
1945 to 1946	F. C. Green, Esq.
1946 to 1958	A. W. R. Hutley, Esq.
1958 to 1959	R. D. Green, Esq.
1959 to 1966	Councillor W ^m . Chambers.
1966 to 1976	A. W. R. Hutley, Esq.
1976 to 1977	C. Brass, Esq.
1977 to 1978	J. A. King, Esq.
1978 to 1982	T. J. H. Pate, Esq.
1982 to 1983	J. A. King, Esq.
1983 to 1989	L. Askey, Esq.
1989 to 1992	P. Ward, Esq.
1992 to 1998	G. Toulson, Esq.
1998 to 1999	C. Hudson, Esq.
1999 to 2002	W. Shelton, Esq.
2002 to 2021	J. Bentley, Esq.

Webmaster

The Association is developing a website to promote the Association to a wider area. The website is regularly updated. It can be found at:

www.leeds-engineers.org.uk

Webmaster:

2003-12	S. Hall, Esq.
2012-	G. Toulson, Esq.

Accounts Examiners

The appointment of an Auditor for the Accounts was officially replaced by an Examiner in 2016 as it was considered that the monetary value of the Association would be well below that of the audit requirements for tax purposes, and thus saves paying an audit fee.

Accounts Examiner:

2016-19	J. Shergill, JP.
2019-	Ms. J. Burton.

Presidents and Vice Presidents of the Association

Year	President	Vice President
1867-68	Thomas Harrison, Esq.	Richard Oates, Esq.
1868-69	Thomas Harrison, Esq.	James Meldrum, Esq.
1869-70	Thomas Harrison, Esq.	Thomas Tyers, Esq.
1870-71	Thomas Harrison, Esq.	Robert Thompson, Esq.
1871-72	Thomas Harrison, Esq.	Chas. Scriven, Esq.
1872-73	Chas. Scriven, Esq., Jr.	John Hall, Esq.
1873-75	William Strother, Esq.	John Hall, Esq.
1875-78	William Horsfall, Esq.	R. H. Shaw, Esq.
1878-79	William Horsfall, Esq.	Charles Scriven, Esq.
1879-81	William Strother, Esq.	Charles Scriven, Esq.
1881-82	Charles Scriven, Esq.	James C. Moorhouse, Esq.
1882-85	Charles Scriven, Esq.	Jonas Yates, Esq.
1885-88	Jonas Yates, Esq.	Alfred Atkinson, Esq.
1888-90	James C. Moorhouse, Esq.	Thomson Craister, Esq.
1890-91	Alfred Atkinson, Esq.	Thomson Craister, Esq.
1891-92	Thomson Craister, Esq.	Alfred Towler, Esq.
1892-93	Robert Lupton, Esq.	Alfred Towler, Esq.
1893-94	Alfred Towler, Esq.	Sam Thornton, Esq.
1894-96	Sam Thornton, Esq.	James Bowers, Esq.
1896-97	James Bowers, Esq.	William Sheldon, Esq.
1897-99	William Sheldon, Esq.	Joe A. Tempest, Esq.
1899-01	Joe A. Tempest, Esq.	Geo. W. Blackburn, Esq.
1901-03	Geo. W. Blackburn, Esq.	Geo. R. Goldstack, Esq.
1903-05	Geo. R. Goldstack, Esq.	W. H. Drake, Esq.
1905-07	W. H. Drake, Esq.	Jas. Scriven, Esq.
1907-09	Jas. Scriven, Esq.	Jas. H. Kitson, Esq.
1909-11	Jas. H. Kitson, Esq.	Chas. Porter, Esq.
1911-13	Chas. Porter, Esq.	W ^m . Rainforth, Esq.
1913-15	W ^m . Rainforth, Esq.	A. L. Rintoul, Esq.
1915-17	A. L. Rintoul, Esq.	F. C. Bettison, Esq.
1917-19	F. C. Bettison, Esq.	H. Atkinson, Esq.
1919-21	H. Atkinson, Esq.	S. Wilson, Esq.
1921-23	G. Mann, Esq.	T. H. Goldsack, Esq.
1923-25	T. H. Goldsack, Esq.	Tho ^s . Cooke, Esq.
1925-27	Tho ^s . Cooke, Esq.	W ^m . Kirby, Esq.
1927-29	W ^m . Kirby, Esq.	Capt. A. W. Hutley, Esq.
1929-31	Capt. A. W. Hutley, Esq.	J. Sanderson, Esq.
1931-33	J.H.Hill, Esq.	T. W. Rose, Esq.

Presidents and Vice Presidents of the Association

Year	President	Vice President
1933-35	T. W. Rose, Esq.	R. H. Timmis, Esq.
1935-37	R. H. Timmis, Esq.	G. F. Rose, Esq.
1939-41	G. F. Rose, Esq.	F. S. Legg, Esq.
1941-43	F. S. Legg, Esq.	John Horn, Esq.
1943-45	John Horn, Esq.	C. L. Forbes, Esq. B.Sc.
1945-48	C. L. Forbes, Esq. B.Sc.	W. M. MacDonald, Esq.
1948-50	F. B. Mills, Esq.	W. Armstrong, Esq. M.B.E.
1950-52	W. Armstrong, Esq. M.B.E.	H. C. Newell, Esq.
1952-54	H. C. Newell, Esq.	Councillor W ^m . Chambers.
1954-56	Councillor W ^m . Chambers.	Mr. C. W. Mustill, M.B.E.
1956-58	C. W. Mustill, Esq. M.B.E.	G. A. Aldred, Esq.
1958-60	John Alcock, Esq.	G. A. Aldred, Esq.
1960-62	G. A. Aldred, Esq.	Charles H. Hattersley, Esq.
1962-64	Charles H. Hattersley, Esq.	R. D. Green, Esq.
1964-66	R. D. Green, Esq.	F. Grindlay, Esq.
1966-68	F. Grindlay, Esq.	C. Brass, Esq.
1968-70	C. Brass, Esq.	L. Brook, Esq.
1970-72	L. Brook, Esq.	W. G. Ormrod, Esq.
1972-74	W. G. Ormrod, Esq.	K. G. Layshon, Esq.
1974-76	G. A. Cleary, Esq.	J. B. Clarkson, Esq.
1976-78	J. B. Clarkson, Esq.	A. S. Hazeldine, Esq.
1978-80	A. S. Hazeldine, Esq.	E. H. Preston, Esq.
1980-82	E. H. Preston, Esq.	K. J. Hegarty, Esq.
1982-84	K. J. Hegarty, Esq.	T. J. H. Pate, Esq.
1984-86	T. J. H. Pate, Esq.	P. Ward, Esq.
1986-88	P. Ward, Esq.	C. Whitley, Esq.
1988-89	C. Whitley, Esq.	G. Toulson, Esq.
1989-91	G. Toulson, Esq.	J. Bentley, Esq.
1991-93	J. Bentley, Esq.	M. Bate, Esq., and D. Pennington, Esq.
1993-95	I. D. Crowe, Esq.	G. J. Fielding, Esq.
1995-97	G. J. Fielding, Esq.	J. S. Mulligan, Esq.
1997-99	J. S. Mulligan, Esq.	R. P. Letch, Esq.
1999-2001	R. P. Letch, Esq.	B. J. Yates, Esq.
2001-03	B. J. Yates, Esq.	M. S. Murray, Esq.
2003-05	M. S. Murray, Esq.	W. Shelton, Esq.
2005-07	W. Shelton, Esq.	S. Hall, Esq.

Presidents and Vice Presidents of the Association

Year	President	Vice President
2007-09	S. Hall, Esq.	J. McClarty, Esq.
2009-11	J. McClarty, Esq.	J. Shergill, JP.
2011-13	J. Shergil, JP.	A. Kibler, Esq.
2013-15	A. Kibler, Esq.	B. J. Yates, Esq.
2015-17	B. J. Yates, Esq.	J. Aldersley, Esq.
2017-19	J. Aldersley, Esq.	R. Town, Esq.
2019-	R. Town, Esq.	J. Aldersley, Esq. (acting)

Your amazing body

Ever walked into a room only to instantly forget why?

Scientists call this “the doorway effect,” designed to save space in our working memory. This part of the memory holds information of the present moment, but it can only store up to seven items at one time. So each time we enter a new room, the brain automatically wipes recent files to make space for new information. This is why we need to work harder to access the memories from just before entering the room; they are stored in a different part of the short term memory.

Studies have shown that retracing your steps helps the memories return faster.

Today’s short reading from the Bible

From Genesis:

“And God promised men that good and obedient wives would be found in all corners of the earth.”

Then he made the earth round, and He laughed and laughed and laughed!

Avocados

A wife asks her husband “could you please go shopping for me and buy one carton of milk and if they have avocados, get six.

A short time later, the husband comes back with six cartons of milk. The wife asks him, “Why did you buy six cartons of milk?”

He replied “They had avocados.”

If you’re a woman, I am sure you’re going back to read it again!

Men will get it the first time.

Chairman and Vice-Chairman of Annual Dinner 1866 to 1914

Year	Chairman	Vice-Chairman
1866	Thomas Harrison, Esq.	
1867	William Naylor, Esq.	Richard Oates, Esq.
1868	Jas. Kitson, Esq., Senr.	William Nichols, Esq.
1869	John Manning, Esq.	Rev. J. P. Ward. (Chaplain)
1870	William Nichols, Esq.	Robert Thompson, Esq.
1872	E. J. Reed, Esq.	Reginald Wigram, Esq.
1874	I. Lothian Bell, Esq.	
1875	Robert Tenant, Esq. M.P.	
1876	Benjamin Walker, Esq.	William Horsfall, Esq.
1877	Reginald Wigram, Esq.	J. H. Wickstead, Esq.
1878	James Kitson, Esq., Junr.	
1879	Daniel Adamson, Esq.	Thomas W. Embleton, Esq.
1880	Leonard Cooper, Esq.	Arthur Greenwood, Esq.
1881	Samson Fox, Esq.	A. Tannet-Walker, Esq.
1882	Arthur Greenwood, Esq.	Thos Purvis Reay, Esq.
1883	James Campbell, Esq.	F. W. Tannet-Walker, Esq.
1884	W. H. Bartholomew, Esq.	Henry Woodall, Esq.
1885	J. Devonshire Ellis, Esq.	F. J. Pollock, Esq.
1886	Hon. R. C. Parsons.	Benjamin Holgate, Esq.
1887	Sir James Kitson, Bart.	George Brayshaw, Esq.
1888	A. Tannet-Walker, Esq.	A. H. Meysey-Thompson, Esq.
1889	Sir James Kitson, Bart.	J. Lupton Shepherd, Esq.
1890	Arthur T. Lawson, Esq.	J. Percy Sykes, Esq.
1891	A. Tannet-Walker, Esq.	Albert E. Kitson, Esq.
1892	E. Windsor Richards, Esq.	W. Penrose Green, Esq.
1893	Reginald Wigram, Esq.	E. Kitson Clark, Esq.
1894	W. W. Clayton, Esq.	Thomas Winn, Esq.
1895	F. W. Tannet-Walker, Esq.	A. G. Hopper, Esq.
1896	T. Pervis Reay, Esq.	E. E. Lawson, Esq.
1897	R. W. Eddison, Esq.	Henry McLaren, Esq.
1898	Ald. F. W. Lawson.	Professor John Goodman.
1899	A. H. Meysey-Thompson, Esq.	E. C. Kitson, Esq.
1900	Arthur Greenwood, Esq.	Charles Scriven, Esq.
1901	J. H. Wicksteed, Esq.	William Sheldon, Esq.
1902	A. Edmund Butler, Esq.	Samuel Denison, Esq.
1903	Ald. J. H. Wurtzburg.	T. L. Taylor, Esq.
1904	Sir Jas. Kitson, Bart., M.P.	Geo. R. Goldsack, Esq.
1905	Ald. A. T. Tannet-Walker.	Hugh M. Butler, Esq.
1906	E. Kitson Clark, Esq.	Alex Campbell, Esq.
1907	W. Penrose Green, Esq.	R. Haste Carr, Esq.
1908	Col. Chas. Colhlan, V.D., J.P.	J. W. Thackery, Esq.
1909	Robt. Armitage, Esq., M.P.	Wm. Rintoul, Esq.
1910	Bernal Bagshawe, Esq.	Jas. H. Mann, Esq.
1911	Robt. H. Fowler, Esq.	R. Gordon Sharp, Esq.
1912	Fredk. J. Kitson, Esq.	A. S. Keith, Esq.
1913	John McLaren, Esq.	T. F. Braime, Esq.
1914	<i>Dinner abandoned owing to the War. Jubilee Dinner held in 1919.</i>	

Chairman and Vice-Chairman of Annual Dinner 1918 to 1964

Year	Chairman	Vice-Chairman
1919	Sir Alfred Herbert, K.B.E.	Alfred Towler, Esq.
1919	T. F. Braime, Esq.	A. L. Rintoul, Esq.
1920	Sir W. H. Ellis, G.B.E., D.Eng.	J.P. Kenneth Fraser, Esq.
1921	T. L. Taylor, Esq.	J. J. Baines, Esq.
1922	Major F. L. Watson, M.C.	Councillor Rowland Winn.
1923	Hugh Lupton, Esq.	Chas. H. Fowler, Esq.
1924	W. L. Hichens, Esq.	Edgar Alcock, Esq.M.B.E.
1925	Sir W. H. Ellis, G.B.E., D.Eng., J.P.	W. G. Wigram, Esq.
<i>Diamond Jubilee Dinner</i>		
1926	Alex Campbell, Esq.	Captain H. R. Lupton, M.C.
1927	Kenneth Frazer, Esq.	Lionel Kitson, Esq.
1928	Edgar Alcock, Esq., M.B.E.	Ernest Newell, Esq.
1929	G. C. H. Wichmann, Esq.	C. St. John Coghlan, Esq.
1930	Ald. Rowland Winn, M.B.E.	J Arthur Sykes, Esq.
1931	Sir Henry Fowler, K.B.E., LL.D., D.Sc.	(Vacant)
1932	Major Geoffrey H. Kitson.	F. Grover, Esq.
1933	Edgar Alcock, Esq., M.B.E.	Leonard Hartley, Esq.
1934	Crossland Braithwaite, Esq.	Fredk. C. Thornber, Esq.
1935	Sir W. H. Ellis, G.B.E.	James Speirs, Esq.
1936	Lt.-Col. E. Godfrey Pelly, D.S.O. M.C.	John F. Alcock, Esq., M.A. (Cantab)
1937	Sir Chas. W. Craven, R.N., O.B.E.	Ronald H. Braime, Esq., M.A.
1938	Fredk. Grover, Esq.	R. M. Longman, Esq.
1939	<i>Dinner Postponed.</i>	
1940	<i>Luncheon presided over by</i> John J. Baines	
1941	<i>Luncheon presided over by</i> F. Stanley Legg, Esq.	
1942	<i>Luncheon presided over by</i> G. B. Dodman, Esq.	
1943	<i>Luncheon presided over by</i> John A. Hopkinson, Esq.	
1944	<i>Luncheon presided over by</i> P. B. Niekirk, Esq., M.B.E.	
1945	Sir Alexander Ramsey, O.B.E.	Clifford Chew, Esq.
1946	Lt -Col. Sir Giffard le Q. Martel, K.C.B. K.B.E. D.S.O.	Lieut. H.R.H. Gorrie.
1947	<i>Dinner cancelled due to Ministry of Food Regulations.</i>	
1948	Col. Geo. Bray, M.C., T.D.	Rodney F. Butler, Esq.
1949	The Rt. Hon. Lord Airedale, D.S.O. M.C.	J. C. M. Maclagan, Esq.
1950	Sir Claude Gibb, C.B.E.	Ernest Osborn, Esq.
1951	Thos. Penny, Esq.	C. G. Robinson, Esq., M.B.E. B.A. B.Sc.
1952	Sir Digby Lawson, Bt, B.A. (Cantab) J.P.	George Hayes, Esq.
1953	R. D. G. Ryder, Esq.	Fred B. Mills, Esq.
1954	H. Norman G Allen, Esq., M.A.	Alfred H. Catton, Esq.
1955	Sir Thomas Hutton, K.C.I.E. C.B. M.C.	H.M. Denison, Esq.
1956	George R. Adamson, Esq.	H. C. Newell, Esq.
1957	G. Ronald Prior, Esq.	F. Stanley Legg, Esq.
1958	J. Parker, Esq., B.A.	Walter Armstrong, Esq., M.B.E.
1959	J. B. Woodeson, Esq., O.B.E.	G. W. Heslett, Esq.
1960	G. M. Butler, Esq.	John Baker, Esq.
1961	John E. Hill, Esq.	H. Ridgway, Esq., J.P.
1962	W. H. Sharp, Esq.	Prof. R. H. Evans, C.B.E. D.Sc. Ph.D.
1963	John H. Osborn, Esq., M.P.	S. C. Thomson, Esq.
1964	H. F. Sherborne, Esq., M.C.	L. Jackson, Esq.

Chairman of Annual Dinner 1965 to 1991

Year	Chairman
1965	Major-Gen. L. H. Atkinson, O.B.E. B.Sc.
1966	R. H. S. Turner, Esq.
1967	J. F. Alcock, Esq., O.B.E.
1968	Dr. A. E. Haffner.
1969	R. F. Lansdown, Esq.
1970	W. A. Brown, Esq.
1971	Victor H. Watson, Esq.
1972	J. S. Halbert, Esq.
1973	G. I. Bray, Esq.
1974	F. H. Marsh, Esq., B.Sc.
1975	F. G. Hawkins, Esq., M.A.
1976	D. S. W. Lee, Esq.
1977	C.W. Samwell, Esq.
1978	F.C.Barker, Esq.
1979	R. Atkinson, Esq., D.Sc. B.Sc.
1980	J. Alcock, Esq.
1981	R. C. Dobbs, Esq., C.Eng.
1982	R. Taylor, Esq.
1983	R. W. Holder, Esq.
1984	J. G. Dickson Esq., C.Eng. F.I.Mech.E.
1985	Dr. R. A. Schofield, M.Sc. Ph.D. C.Eng. F.I.Prod.E. M.I.Mech.E. A.M.C.S.T
1986	J. Keighthley, Esq, C.Eng., F.I.Prod.E., F.B.I.M.
1987	Dr. R. A. Etheridge, B.Sc. Ph.D. C.Eng. M.I.Prod.E. A.M.B.E.S.
1988	D. B. Waudby, Esq., C.Eng., M.I.Gas E.
1989	Prof. D. Dowson, C.B.E., F.R.S., F.I.Mech.E.
1990	J. Hartley, Esq.
1991	<i>Dinner held in early 1992 in order to avoid many other similar gatherings prior to the festive season. Position of Chairman at the dinner taken by The President of the Association, and a Main Speaker engaged.</i>

Main Speaker attending Annual Dinner 1992 to 2004

Year	Main Speaker
1992	Douglas J. McLaughlan, Esq.
1993	Kenneth Myers, Esq.
1994	John Morgan, Esq.
1995	Eur.Ing. J.B. Firth, C.Eng., F.I.E.E., M.I.Mech.E.
1996	N Newsome, Esq.
1997	Clive G. Williams, Esq.
1998	Mike Smith, Esq.
1999	B Pentlow, Esq.
2000	Peter Wallace, Esq.
2001	John Morgan, Esq.
2002	W. G. Tetlow, Esq.
2003	A. Swallow, Esq.
2004	P. Crossley, Esq.

Main Speaker attending Annual Dinner 2005 to 2020

Year	Main Speaker
2005	K. Humphreys, Esq.
2006	P. Hudson, Esq.
2007	Billy Dean, Esq.
2008	Mickey Gunn, Esq.
2009	John Burnet, Esq.
2010	Tony Barton, Esq.
2011	Richard Gibbon, OBE. National Railway Museum.
2012	John G. Roberts, Esq. Airbus UK.
2013	Peter Findley, Esq. Concorde.
2014	Ms. Sheila Dyson, M Phil.
2015	Duncan Jagger, Esq. Horses.
2016	<i>No Main Speaker.</i> Entertainment provided by Ms. Molly Taggart and Mr. Joe Medlock.
2017	<i>No Main Speaker.</i>
2018	<i>No Main Speaker.</i>
2019	<i>No Main Speaker.</i>
2020	Postponed due to Covid-19



Andrew and Charmaine Kibler.

Anniversary Dinners 2017 to 2021

The dinners have continued to be held at Headingley Golf Club with the attendance remaining at the same levels as in 2016. The format of the dinner has been changed from being a formal dinner to a more social event. The order of the formalities has therefore changed to eliminate the toasts after the serving of food. This may be seen as a backward step to eliminate the toast to Bishops and Clergy and Ministers of all Denominations which has been part of the proceedings since 1865. Similarly the toast to Our Guests and reply by the Lord Mayor and the toast to the Association by a guest speaker and reply by the President have also been dropped. This has considerably reduced the amount of work required to organise the Dinner. The President is therefore only required to welcome Members and guests, and to introduce some of the formalities which remain such as the presentation of the Rose Bowl to the winner, and to close the Dinner. This has resulted in reduced costs, which were taking a large proportion of the "ticket" price such that the price has remained steady thanks to efforts of the Golf Club.

We have continued to extend a warm welcome to representatives of other organisations –Hull, York, and Keighley Associations and to our Chaplin. The Welding Institute and IEE have been invited but have not responded. Our President has also represented the Association at Hull and Keighley dinners. Members and wives of Keighley Association have also attended our Dinner and some of our Members attend theirs.

Dinners have been organised by Andrew Kibler, Gordon Toulson, and Alex Rogers.



Gordon Toulson and Alex Rogers.



Steven and David Bell.



Ian and Kathryn Blakeley.



Tony and Jacky Mathers.



Mr. and Mrs. Brian Clough of Keighley Association



John and Sue Bentley.



Ian and Pat Scholes.

These are/were the events organised by the Leeds Association of Engineers.

This is just a list of events.

Much more detail can be found on the Leeds Association of Engineers website under "Events" at the top of the initial page. Select the year required, and click on the individual event where a much more detailed résumé is available.

2016/17

29/09/2016	Lecture	Barrie Yates, Fuel to Power the World - Is Thorium a Better Alternative?
27/10/2016	Visit	Gesipa Blind Riveting Systems Ltd.- Keighley.
24/11/2016	Lecture	Bradford Model Engineering Society with Models!
22/12/2016	Lecture	Tony Jackson, The Pennine Dam and Use of 'Puddle Clay'.
26/01/2017	Lecture	The West Yorkshire Lieutenancy.
23/02/2017	Visit	Stanningley Fire Station
30/03/2017	Visit	Sikh Temple in Bradford - Ladies' Event Bradford Gurdwara.
08/04/2017	Dinner	151 st Anniversary Dinner -.Headingley Golf Club, Adel Leeds.
27/04/2017	AGM & Lecture	Paul Richards, Professional Photography and the use of Drones.
07/05/2017		Annual Church Service at Leeds Minster.
25/05/2017	Visit	Drax Power Station, Selby North Yorkshire.
22/06/2017	Solstice Walk	Summer Solstice Walk and Supper - Shipley Glen...then at The Old Glen House, Baildon West Yorkshire.
07/07/2017	Golf	Tournament Scarcroft Golf Club, Leeds.

2017/18

28/09/2017	Lecture	Paul Beaumont, "Jowett - The Yorkshire Car".
26/10/2017	Visit	Apris Management, Laisterdyke, Bradford.
30/11/2017	Lecture	Chris Soulsby Thorite, "Pumps All you need to know"
25/01/2018	Lecture	Howard Kingswell 'Drone Cinematography'.
22/02/2018	Lecture	Noel Coates - Austrian Railways in 1969.
29/03/2018	Talk	Ladies' Evening - A Talk by Robert W. Wood, On Gemstones & Crystals.
07/04/2018	Dinner	152 nd Anniversary Dinner -.Headingley Golf Club, Adel Leeds.
26/04/2018	AGM & Lecture	2018 AGM followed by Kennametal Representative lecture: Jayanti Mistry.
	Change of venue	The usual Cleckheaton venue was not available. At short notice the meeting was held at Mandate Systems Meeting Room, Windy Bank Lane Liversedge.
06/05/2018	Service	Annual Church Service at Leeds Minster.

2017/18	Cont.	
24/05/2018	Lecture	Frank Smith "Ferry to the top of the World." Held at Mandate Systems Meeting Room, Windy Bank Lane, Liversedge.
21/06/2018	Solstice Walk	Summer Solstice Walk & Supper - 2018 Woodlesford Lock – Start and Finish Point followed by refreshments at Three Horse Shoes at Oulton.
06/07/2018	Golf	2018 Golf Tournament – Garforth Golf Club.
2018/19		
27/09/2018	Lecture	Ian McKay of Bancroft Mill Engine Trust Explosives! "Things that go Bang! in the night"
25/10/2018	Lecture	Paul Beaumont, The Jowett Cars, Road Testing of the Jupiter, Test Route.
29/11/2018	Lecture	Anthony Pilling, Textile Machinery.
31/01/2019	Visit	IFG Drake Limited – Drighlington.
28/02/2019	Lecture	Bernard Wadsworth Rail Operations Manager British Steel. British Steel's Private Industrial Railway.
28/03/2019	Lecture	David Pearson, 'Bradford's Railway That Almost Was'.
06/04/2019	Dinner	153 rd Anniversary Dinner at Headingley Golf Club.
25/04/2019	AGM	AGM and President's Address by John Aldersley.
12/05/2019	Service	Annual Church Service at Leeds Minster.
20/06/2019	Solstice Walk	Summer Solstice Walk, Bingley Five Rise Locks, then Supper & Quiz at The Chip and Ern Ale House, Bingley.
02/07/2019	Golf	2019 Golf Tournament. Cobble Hall (Leeds) Golf Club.
18/07/2019	Visit	British Steel Steelworks. Preserved Railway in Scunthorpe.
2019/20		
26/09/2019	Lecture	Hubie Piron, SKF Bearings.
31/10/2019	Lecture	Keith Crabtree, The Class P2 Locomotive New Build.
28/11/2019	Lecture	Ian McKay, "Before Claret and Blue there was Scarlett."
30/01/2020	Lecture	Paul Beaumont, "Across Africa by Jowett."
27/02/2020	Lecture	Barrie Yates "Adventures of an Apprentice Spy."

Below is the programme which was organised for 2020. Unfortunately the events have had to be cancelled or postponed because of the Covid-19 virus.

2019/20	Cont.	
26/03/2020	Lecture	Jas Shergill "The Kilogram."
18/04/2020	Dinner	154 th Anniversary Dinner at Headingley Golf Club.
30/04/2020	AGM & Lecture	Jayanti Mistry Innovations in Cutting Tool Technology.
10/05/2020	Service	Annual Church Service at Leeds Minster.
28/05/2020	Visit	Ladies evening Kirklees Light Railway, tour and buffet.
18/06/2020	Walk	Solstice Walk.
24/06/2020	Golf	Golf Tournament, Cobble Hall (Leeds) Golf Club.

In January 2021 we were informed that the venue in Cleckheaton, which we have hired for lectures for several years, has been sold for a housing development. We will therefore have to find a suitable place for future live lectures once the present restrictions are cancelled.

In view of the continuing restrictions on meetings, Council decided that meetings could be held using the Internet and the “Zoom” application, which allows participants to view and hear the speaker on their own computer, tablet, or phone.

Full instructions of how to join the “Zoom” meeting were posted on the LAE web site by Gordon Toulson.

The first meeting was held under the direction of Andrew Kibler with Frank Smith speaking in Liverpool. 18 members logged into the meeting.

The second meeting was by Barrie Yates, and was joined by 10 Members of Keighley Association of Engineers.

25/02/2021	Lecture	“Lock and Quay”. Five Years in the Canal World by Frank Smith.
25/03/2021	Lecture	“Magnificent Seven (Ladies)” by Barrie Yates
29/04/2021	AGM	AGM and lecture by John Aldersley.
24/06/2021	Walk	Summer Solstice Walk in Farnley Hall Park.
23/06/2021	Golf	Golf Tournament and Dinner, Leeds Golf Club. (Provisional date postponed from 2020) May be rescheduled to September 2021.



Members gathering at the start of the tour of Scunthorpe Steel Works. The tour was conducted only by rail, travelling on two ex BR guards vans and hauled by a preserved steam locomotive. The tour is run independently by The Appleby-Frodingham Railway Preservation Society.

Obituaries

The Council is saddened by the loss of Members and together with fellow members extends deepest sympathy to their families and friends.

When the death of a Member occurs, we ask that fellow Members acquainted with the deceased inform the President, Secretary, or any Council Member as early as possible. The content of the Obituary Notice is usually obtained in this way. If we are not informed, our circulars etc. continue to be sent. This can cause unnecessary grief which we would wish to avoid. Furthermore, if no additional information is forthcoming, we are obliged to confine the content to the records of membership on our file.

Les Holmes, 20 June 2017.

Les joined the Association in 2002. Les was born in April 1940 in Sutton-in-Craven after completing his education at Keighley Grammar School he started an apprentice at Landis Lund. After that he had had short periods of employment at various Leeds companies, eventually joining Towler Hydraulics at Rodley in 1971. Les continued as a capable Production Planning Engineer in Rodley until his retirement.

Allan Harris, December 2019

Allan joined the Association in September 2014. He was a keen golfer and a big sports fan in general. He served his apprenticeship at Butler Shapers in Halifax and went on to do an OND and then HND for which he received a Cornigi award, the first at one at Halifax College. He became a technical Sales representative for a variety of different carbide tool manufacturers He was made redundant from Valentine in 1983, which encouraged him to go self employed repairing tooling. He worked until he became too ill at the end of 2017, being diagnosed with mesothelioma. He died one week after his 81st birthday and is much missed by his family

Clive Randal, August 2020

Clive joined the Association in 2017. He was a competent Engineer having moved North after starting in the tool room and later being involved in Iron Lung machines. He was Chief Design Engineer at George Barker's Bradford. Clive's Son represented England at Karate. George finally worked on manual milling machines and enjoyed it.

Solstice Walks

The solstice walks, organised by Malcolm Murray and his wife Lynne, have proved to be a popular event each year. The organisation of these events takes considerable time including visits to the location to be able to advise on parking and arranging for a suitable place to have refreshments and food after the Walk.

Some walks have also included a completion to add hilarity and interest. These have included Boomerang throwing, Photography, quiz and “action”

2016 This Event was cancelled - clashed with referendum vote!

22/06/2017

Summer Solstice Walk and Supper at Shipley Glen.
Followed by supper at The Old Glen House, Baildon.



21/06/2018

Summer Solstice Walk at Woodlesford Lock. Followed by refreshments at the Three Horse Shoes at Oulton.



20/06/2019

Summer Solstice Walk, Bingley Five Rise Locks, with Supper & Quiz at The Chip and Ern Ale House Bingley. Members of Keighley Engineers were invited and several members attended the walk, and supper, which was followed by a quiz by Gordon Toulson.



2020

Event cancelled due to Covid-19 restrictions.

New Build Locomotives

This article is presented as a feature to point out that traditional “proper” engineering skills are still used, even if on a voluntary basis. Young people are encouraged to join in and some are employed as full time apprentices.

We have had two lectures in the past by Mr Keith Crabtree of the A1 Locomotive Trust on both “Tornado” and “Prince of Wales.” To complete all these listed locomotives, computer design programmes have been used because up to date regulations have demanded checks on old designs and modifications made to suit. However forgings, castings and frame plates and sheet metal work are still required, using better materials than originally used. Specialist boiler making skills are still required with registered inspection.

Several web sites can be found for all new build and refurbishment activities.

Llangollen Railway.

(Llangollen faced financial difficulties in 2019/20 and administration in 2021. Construction projects were therefore cancelled and parts removed to other sites)

45551 LMS Patriot 4-6-0 “Unknown Warrior” (now at Butterley West Shed, Derby).

6880 GWR Grange 4-6-0 “Bretton Grange” Completed 2020.

4709 GWR Express Freight 2-8-0 “Night Owl” transferred to Leakey Finders, Hele, Near Exeter.

61673 LNER B17 4-6-0 “Spirit of Sandringham” Transferred to CTL Sheffield.

**42424 LMS 4P Fowler 2-6-4T (Planned)

A1 Locomotive Trust, Darlington.

60163 “Tornado” 4-6-0 LNER Class A1 Completed in 2008.

2007 LNER P2 2-8-2 “Prince of Wales”

(Also one at Doncaster Locomotive Works, 2001 “Cock of the North”)

LNER V4 2-6-2 Start after the P2 is completed

**LNER V3 2-6-2T Start after the V4

CTL Sheffield

72010 BR Clan 4-6-2 “Hengist” (CTL Seal, Sheffield)

Didcot Centre.

1014 GWR County 4-6-0 “County of Glamorgan”.

2999 GWR Saint 4-6-0 “Lady of Legend” Completed 2019.

Teddington.

3840 GWR 4-4-0 “County of Montgomery” Transferred to Tyseley.

Bluebell Railway.

32424 SR 4-4-2 "Beachy Head"

84030 BR 2P 2-6-2T (with parts from a 2-6-0 78059)

West Somerset Railway.

9351 GWR 2-6-0. Completed 2014

Hackworth Industrial Park, Shildon.

1759 LNER (NE) G5 0-4-4T

Tyseley Locomotive Works.

789 GER M15R (LNER F5) 2-4-2T

670 LNWR Bloomer 2-2-2

Whitwell and Reepham Railway

Claud Hamilton 4-4-0 LNER Class D16/2

Great Central Railway, Nottingham

**567 4-4-0 LNER D7 Ex MS&LR

Severn Valley Railway

**BR Class 3MT 2-6-2T

To be determined

**35011 General Steam Navigation build from rebuilt back to original

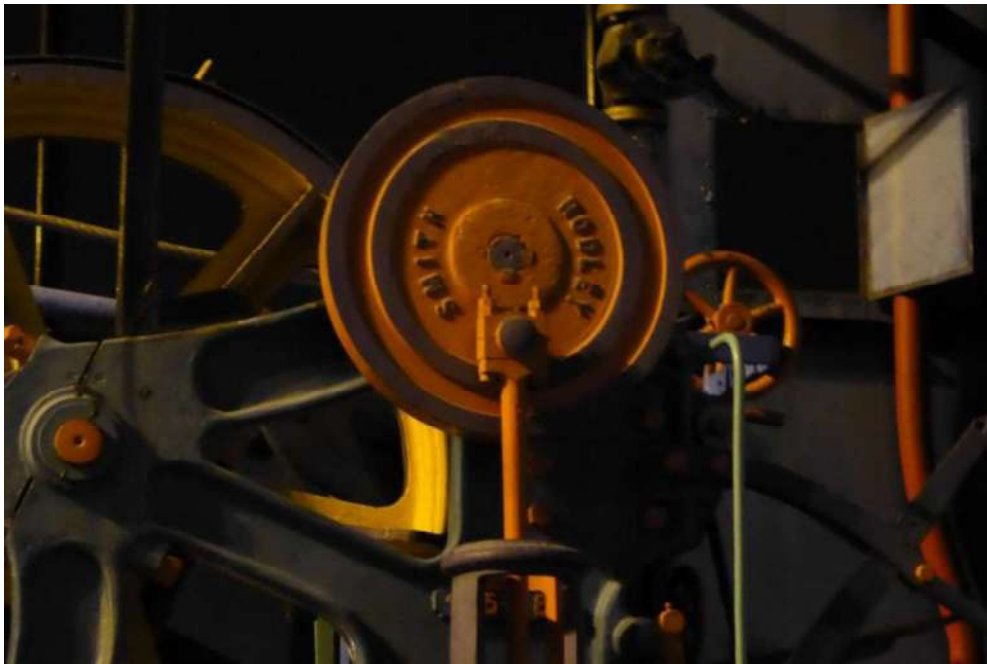
**4-4-0 LNWR George the Fifth class

New Diesel locomotive based on the first British mainline diesel locomotive **LMS 10000** at Matlock, using parts from newer locomotives (Class 59) with the same design equipment. It will not be suitable for main line operation because of newer regulations. Diesel engines of the type first used have been obtained.

Although the above list is for standard gauge UK railway locomotives, there are several locations where narrow gauge equipment is being manufactured, in addition to several hundred locomotives of all gauges being in regular use and subject to controlled maintenance work. The rolling stock such as wagons and coaches are also manufactured and refurbished with carpentry and upholstery skills in use.

The nature of these activities can also be found applied to other subjects of equal complexity, and requiring a similar input of skills, knowledge and regulations. Retired ships and ferries are being worked upon, along with old industrial equipment, buses, trams, traction engines, road rollers, wagons, and cars of steam and internal combustion types there are also very active military preservation activities within sites such as Duxford where tanks, guns, and aircraft are carefully restored.

Some Preserved Subjects



Two views of a preserved Smith of Rodley steam crane on display in Montivedao Dockyard 2018.



Four Leyland Todmorden Joint Omnibus Committee buses as preserved at Hertford show ground in 2018.



Jowett Bradford Van on show at Hebden Bridge Vintage car day.2012.



Several of these retired Blackpool trams are preserved.
Two of the single deck ones are in San Francisco Tramway Museum.



TSS Earnslaw built 1912 by McGregor & Co., Dunedin on Lake Wakatipu, Queenstown, New Zealand.



The only remaining Passenger carrying steam ship in the Southern Hemisphere.



Trident Two at Duxford. Display only.
The first series of aircraft to regularly land fully automatically in service.
Also the fastest subsonic passenger aircraft.



1943 8 seat passenger de Havilland Dragon Rapide.
Available for Hire at Duxford.

A view on buying a car

My next door neighbour had delivered by trailer a brand new car which is parked in view from our front windows. It is a rather nice hatchback, dark blue with four chromed exhaust pipes below the rear door, with a 70 registration plate and a famous German badge with a small "R" to the left lower of the rear hatch door and a similar "R" in the front grill. It was delivered 25th February 2021 and obviously purchased on line with plenty of bargaining, otherwise it would have been delayed a couple of days to get a new registration plate to show. It makes quite a good burbling sound when accelerating past us to turn round. We also have on the Close a Maserati which makes a similar but louder noise, and drives past with electrically opening/closing fabric roof in operation. This could well create some competition!

As the showrooms are not open due to Covid 19 restrictions then buying a car is not so easy as before, and strange to those of us getting on in years, which prompted the writer to examine what would be his reaction. And what should be assessed in a show room which will open April 12th.

Most important, can I and others of similar age and size get in and out of it easily without banging heads, doubling knees and back and having to hold on to prevent falling over? The two above cars fail in this item straight away. When the Victoria Shopping Centre opened in Leeds, Tesla had several cars on display and a very attractive sales girl could not understand why my friend and I said we could probably get in the cars, but to get out would be almost impossible. We may well have enjoyed any help offered!

Can we see out of it forwards, sideways, and to the rear?

Is it comfortable and easy to sit and ride in without being thrown all about sideways and up and down and is boot space adequate.

Are the controls easy to reach, without doubling elbows and knees, and are there switches rather than touch screens which need looking at to use, rather than having not too many fixed and easily remembered positions?

Similarly an analogue clock is much easier to read and glance at rather than a digital one. Automatic gears and 4 wheel drive could be considered.

Are the tyres which are available, substantial in cross section to provide good and comfortable ride and fit for all weathers? Does the car have a spare as the puncture repair sets are no good for a split and will probably have emptied or dried up when needed?

Heating of seats and climate control with rapid demisting of windows is essential. Other more "modern" inclusions such as rear view cameras, speed limiters, cruise control, parking sensors, speed sign recognition and many other of the new driving aids are acceptable but are probably listed in documents included on line. They will need to be explained by a salesman to the older person not used to such things.

Colour is probably less important to the male, they are not seen from the driver's seat anyway but colours do look different in daylight, and light coloured seats can be a problem for old engineers forgetting to put a clean coat on.

Price of the deal is very important. The essential part is not how much is offered for the trade-in, but how much it costs in total to change the vehicle.

Running costs and depreciation over time are of prime importance. Consultation with several magazines will give a better indication of this.

The present trend to run electric vehicles will be important, but beware as the newer models may not give an overall economy that old ones do. How long do batteries last, and how far will an electric drive take you in winter with hills, delays in snow, heating, lights and radio running. Until there are sufficient charging points available, the waiting to use one for a half an hour charge can be frustrating, even more so if the nearest one is further away than the battery will last.

How much will a new battery cost? How long is the life of them? The electrical charge available will reduce as the battery ages. It looks like an on board charging system is needed which can be topped up quickly.

The other new feature now being made available is the self-driving car. Perhaps slightly controversial is the reliability of control at speed, and how swift the driver can take back full control. There is always the possibility of these "radio" devices being compromised by a third party.

The writer is of the opinion the only safe way of using driverless vehicles is to put them on rails and use independent position detection. We shall see!

Water in the carburettor

WIFE: "There is trouble with the car. It has water in the carburettor".

HUSBAND: "Water in the carburettor? That is ridiculous".

WIFE: "I told you the car has water in the carburettor".

HUSBAND: "You don't even know what a carburettor is. I'll check it out.

"Where is the car?"

WIFE: "In the pool."

Statistic

This is a frightening statistic, probably one of the most worrying in recent years.

25% of the women in this country are on medication for mental illness.

That is scary. It means that 75% are running around untreated.

Braime Trophy (Rose Bowl) Winners

Year	Golf Club	Winner	Year	Golf Club	Winner
1936	Garforth	J. C. Baines	1980	Moortown	K. J. Hegarty
1937	Moortown	G. L. Braime	1981	Scarcroft	Eric Cowell
1938	Cobble Hall	J. Horn	1982	Sandmoor	D. Warboys
1939	Headingley	F. B. Mills	1983	Cobble Hall	Eric Cowell
1940	Moortown	E. L. Crump	1984	Sandmoor	Eric Cowell
1941	Moortown	B. Firth	1985	Headingley	K. J. Smith
1945	Moortown	E. L. Crump	1986	Sandmoor	D. Warboys
1946	Moor Allerton	R. Brammer	1987	Moortown	Eric Cowell
1947	Scarcroft	J. Davis	1988	Sandmoor	K. G. Layshon
1948	Headingley	F. Rushworth	1989	Pannal	A. R. Shires
1949	Headingley	C. L. Forbes	1990	Ilkley	J. S. Mulligan
1950	Sandmoor	Eric Cowell	1991	Howley Hall	A. J. Killingbeck
1951	Sandmoor	R. Brammer	1992	Cobble Hall	K. J. Hegarty
1952	Headingley	T. Wood	1993	Wetherby	C. H. Mathers
1953	Garforth	F. Rushworth	1994	Scarcroft	C. H. Mathers
1954	Garforth	H. Hardcastle	1995	Cobble Hall	J. S. Mulligan
1955	Moortown	J. R. Robertson	1996	Scarcroft	S.R Stacey
1956	Headingley	R. G. Flanagan	1997	Sandmoor	K. J. Smith
1957	Alwoodley	K. G. Layshon	1998	Wetherby	K. J. Smith
1958	Alwoodley	J. R. Robertson	1999	Cobble Hall	J. S. Mulligan
1959	Horsforth	G. C. Button	2000	Scarcroft	R. Johnson
1960	Headingley	G. C. Button	2001	Wetherby	K. Gibson
1961	Moortown	R. Archer	2002	Cobble Hall	D. Mc Nalus
1962	Moortown	J. Rushworth	2003	Garforth	C. H. Mathers
1963	Moortown	J. R. Robertson	2004	Strensall	R. Cockshott
1964	Sandmoor	K. G. Layshon	2005	Scarcroft	G. P. Jones
1965	Wetherby	D. Neesam	2006	Wetherby	C. H. Mathers
1966	Sandmoor	C. H. Hattersley	2007	Cobble Hall	S.R Stacey
1967	Cobble Hall	H. R. Catchpole	2008	Garforth	K. Gibson
1968	Sandmoor	C. H. Hattersley	2009	Scarcroft	G. Heap
1969	Scarcroft	C. Brass	2010	Cobble Hall	G. Heap
1970	Scarcroft	A. Sills	2011	Strensall	C. H. Mathers
1971	Sandmoor	K. G. Layshon	2012	Garforth	S.R Stacey
1972	Pannal	D. Holmes	2013	Wetherby	K. J. Hegarty
1973	Sandmoor	G. A. Roff	2014	Scarcroft	S.R Stacey
1974	Sandmoor	C. L. Forbes	2015	Garforth	J. Shergill
1975	Scarcroft	C. Archer	2016	Cobble Hall	A. Braime
1976	Wetherby	K. G. Layshon	2017	Scarcroft.	J. Shergill
1977	Scarcroft	H. R. Catchpole	2018	Garforth	J. Shergill
1978	Scarcroft	J. Gawthorpe	2019	Cobble Hall	D. Ward
1979	Cobble Hall	K. G. Layshon	2020	Postponed	-----

Member and Guest Trophy (Tankard)

Charles Brass was a Member of the Association for many years and acted as Golf Secretary. His Widow provided the Tankard to be played for in his Memory.

Year	Winner	Year	Winner
1975	R. D. Green	1998	G. P. Jones
1976	R. D. Green	1999	K. J. Smith
1977	D. Neeson	2000	A. J. Killingbeck
1978	C. Archer	2001	B. Kelly
1979	K. J. Smith	2002	G. P. Jones
1980	J. Gawthorpe	2003	S. Bell
1981	V. J. Minett	2004	G. P. Jones
1982	E. Cowell	2005	P. W. Lee
1983	K. J. Leyshon	2006	G. Allen
1984	A. Wormold	2007	R. Thompson
1985	K. J. Smith	2008	G. P. Jones
1986	K. J. Smith	2009	R. Thompson
1987	P. Bowles	2010	G. P. Jones
1988	S. Heap	2011	G. P. Jones
1989	G. Heap	2012	R. Thompson
1990	K. J. Smith	2013	J. Shergill
1991	K. J. Smith	2014	G. P. Jones
1992	A. J. Killingbeck	2015	R. Thompson
1993	G. P. Jones	2016	S. Stacey
1994	G. Elliff	2017	R. Johnson
1995	G. P. Jones	2018	S. Stacey
1996	K. J. Hegarty	2019	J. Shergill
1997	K. Gibson	2020	Postponed



Chris Wagstaff - Charles Brass Trophy.

GOLF 2017

Captain - John Aldersley.

Hon. Secretary - Steve Stacey

This year's event was held at Scarcroft Golf Club. The golf course, weather and hospitality were excellent. The Braime Trophy was initially played here in 1947. This was the 14th time it has been held at this Club.

It was the 79th Braime trophy event and it was won by Jas Shergill who previously won it in 2015.

20 teed off in the morning round of nine holes, playing in three-man teams. The winning team with a score of 44 Stableford points was:-

**Graham Hamilton
Andrew Wright
Bob Brownbridge**

In the afternoon, 29 golfers competed in an individual Stableford competition, for the Braime Trophy and the Europa - Mitchell Fox Cup.

The winners were:-

Braime Rose Bowl

1st **Jas Shergill** 39 points.
2nd **Stephen Tattersfield** 38 points.

Europa – Mitchell Fox Cup

1st **Graham Brown** 41 points.
2nd **Paul Whittaker** 40 points. 3rd **Jas Shergill** 39 points.

Member and Guest Tankard:

Robert Johnson & Graham Hamilton 70 points.

Charles Brass Trophy: Steve Stacey 11 points.

Nearest the pin Prizes:-

The Stuart Hazeldene Memorial: Lee Wetherall
Braime Pressings, Steve Stacey
M A Ford (Europe) Ltd., Mike Stoker
Craftsman Tools Ltd., John Bennett

We were indebted to our Sponsors whose support makes this day so enjoyable.

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GOLF 2018

Captain - John Aldersley.

Hon. Secretary - Steve Stacey

This year the event was held at Garforth Golf Club. The golf course was burnt brown due to recent hot weather. However the greens were excellent, having been kept well watered. The temperature was 28 degrees!

It was the 80th Braime trophy event and it was won by Jas Shergill who previously won it in 2015 and 2017. The first Braime Trophy event was held at Garforth in 1936.

24 teed off for 9 holes, M A Ford Team event playing in three-man teams. The winning team with a score of 41 Stableford points was:-

**Graham Bond
David Ward
Nick Trott**

In the afternoon, 31 golfers competed in an individual Stableford competition, for the Braime Rose Bowl Trophy and the M A Ford Braime Prizes.

The winners were:-

Braime Rose Bowl:

1st Jas Shergill 38 points.
2nd Steve Stacey 34 points.

M A Ford and Braime prizes:

1st Paul Linch 42 points.
2nd Jas Shergill 38 points. 3rd Dayu Maistry 36 points.

Member and Guest Tankard:

Steve Stacey & Kieran Preston 68 points.

The Charles Brass Trophy: Richard Thompson 9 points.

Nearest the pin Prizes:-

The Stuart Hazeldene Memorial, Steve Stacey
Braime Pressings Ltd, Brian Stockdale
Craftsman Tools Ltd., Paul Barron

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GOLF 2019

Captain - Ross Town

Hon. Secretary - Steve Stacey

This year the event was held at Cobble Hall (Leeds) Golf Club. The golf course and weather were very good. The service from the Golf Pro, office, Bar and Caterers was excellent throughout the day.

It was the 81st Braime Trophy event and it was won by David Ward who is the Md of M A Ford. M A Ford are now Corporate Members of the association and gave great support to the event.

30 teed off for 9 holes M A Ford Team event, playing in three-man teams. The winning team with a score of 42 Stableford points was:-

Brian Wood
Chris Walker
Tony Jackson

In the afternoon, 39 golfers entered in an individual Stableford competition, for the Braime Rose Bowl Trophy and the M A Ford-Braime Prizes

The winners were:-

Braime Rose Bowl

1st. David Ward 36 points.

2nd Paul Barron 35 points

M A Ford and Braime Prizes,

1st. Paul Whittaker 41 points.

2nd Bob Brownbridge 40 points. 3rd Martyn Garner 38 points.

Member and Guest Tankard,

Jas. Shergill & Paul Whittaker 70 points.

Charles Brass Trophy:

Chris Wagstaff 11 points.

Nearest the pin Prizes:-

The Stuart Hazeldene Memorial, Wayne Richardson

Braime Pressings Ltd., Steve Stacey

Craftsman Tools Ltd., Brian Wood

HKA (FS) Ltd., Dave Booth

Leeds Golf Club John Scollen

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M A FORD (EUROPE)



Golf Secretary Steve Stacey and Gerry Allen.



Alan Braime, Kevin Hegarty, and Ross Town.



Richard Thompson with the Charles Brass Trophy.



Braime Trophy Winner David Ward and Ross Town.

Andrew Kibler – Apprenticeship Memories

For me it really started the year I was leaving school. The careers officer, if you could call him that, took a basic look at your qualifications and father's employment, then told me I should be an engineer. I can't ever remember being asked what I wanted to do. So that set the stage for me.

My first interview was at my father's place of work, (West Yorkshire Foundries, off Hunslet Road) where I was offered a position of a "core maker." Basically, making wooden moulds for casting.

I pretty much had an idea of what the factory was like from the things Dad talked about but did not comprehend the noise, dirt, and working conditions as I was shown around. There was no way I was ever going to work here.

My second interview came by way of an auntie, who worked as a secretary at Crabtree-Vickers in Leeds. Here was a company with a very high reputation for good apprenticeships. Having looked around at the vast array of engineering skills, I had made my mind up where I was going.

There was one other engineering company in Gildersome, whose name I forget, that I was interviewed at and although I was impressed, and verbally offered a position, they never came back to me.

So in September 1972 I began work at Crabtree-Vickers. For those of you not familiar with this company they made roll fed printing machinery for the large newspaper industry and were based at Water Lane in Leeds. The apprentice shop was in fact a separate building on the corner of David Street.

The first day was largely an introduction into the apprentice shop, where there were four separate sections; Fitting, Milling, Turning, and Sheet Metalwork. We would spend three months on each section making tools of our trade to use later on.

My first section was to be fitting. The thing that has always comes to mind when I think back at my first day of work was how much my bloody feet ached! My other memory of this section was the instructor; whose name I believe was George Laycock, an old guy who was just about ready for retirement. George smoked a pipe and once sent me to the top shop to pick up his snuff, which he then mixed with his tobacco and proceeded to light. It produced this huge ball of blue/grey smoke that gripped everyone's throat within ten feet, causing coughing fits lasting several minutes. George on the other hand was not affected.

I can't honestly remember in what order I did the other sections but there were a couple of memories I'd like to share.

Turning was where I very nearly lost my life. After being shown the fundamentals of a centre lathe, we had a little play and were put to work. Now the one thing you learn very quickly is not to leave the chuck key in the chuck when you start the machine. Bet you already know where I'm going!

Before I tell you what happened you have to know the layout of the apprentice shop. The lathes and milling machines were all on the lower level, whereas the fitting area and offices were above, with a large open area in the middle, such that you could see all the machines below.

If you had not already guessed it, yep, I started the lathe with the chuck key still in the chuck. It hit the lathe bed, broke the 1/2 inch tang and flew passed my ear literally just flicking it. But my embarrassment didn't stop there. The manager's office was right above my lathe and it smashed through his window at some speed. Well, I looked up only to see the manager (Mr. John Barras) staring down, so I raised my hand in confession. With a finger, he motioned me to come up to his office. Gingerly I approached and the first thing he said was "sit down you look like a ghost". After five minutes or so he asked if I was ok and politely told me off.

The other incident I remember was in the milling section. Can you remember anyone what a shaper is? Well it is probably the most boring machine ever to work on. It monotonously shaves across a lump of metal, with a rhythmical thump sending all and sundry to sleep. No, I didn't fall asleep, as you may have thought, it was worse. These things have a 3/4 drive on the side that spins constantly when the machine is running. I in my slumber thought it would be a good idea to press my leg against it, upon which it grabbed my boiler suit. Let me tell you it woke me from my slumber pretty quickly, and I frantically fought to pull away. Thankfully with no harm done, or so I thought, only to look up and see Mr. Barras wagging his finger at me again.

Mr. Barras, the apprentice shop manager, was one of the nicest managers I have ever known. He once asked me to go to the stores, which was in the main factory. Seeing the puzzled look on my face, he asked if I knew where it was, to which I replied no. He simply said let's take a walk. It was while walking to the stores he said something to me that I have always lived by since.

He told me, "If you ever want something from someone always ask if they can help you." Sure enough when we got to the stores he greeted the store man as a friend and did just that. The store man immediately went off and came back within seconds with his request.

On the way back he also told me that should he have simply told the store man what he wanted, it was likely we would have been waiting several minutes. Has this ever happened to you I wonder?

Before I finish up there is one other memorable thing to mention. Dinner time. As you may recall the apprentice shop was not part of the main factory, but the canteen was, and like most canteens of that time, if you wanted a good meal you got there early. So, at 12 o'clock fifty-three apprentices made a mad dash 200 yards up the road. I really don't know why as we rarely beat the factory workers but it must have been a sight for any onlookers.

It was a fantastic apprenticeship at Crabtree-Vickers and I was very fortunate to be awarded the apprentice of the year. I was a bit peeved when I received my 0-25mm Starrett Micrometer, only to learn that the two runners up got two weeks on an outward bound course.

Que sera, sera. Hope you enjoyed reading.

Andrew Kibler - January 2021

Steven Rose - Apprenticeship Memories

I left school at 16 and joined the Royal Navy as a Radio Operator. At 17 I decided that bouncing around the North Sea wasn't for me and took advantage of the release scheme. I started as an apprentice toolmaker with Esdale Ltd in Heckmondwike and spent the next 12 months learning the various disciplines in a training school run by BLD. However, not only was I by then quite old to start my apprenticeship but I had started in November when training had begun in September so I had some catching up to do. The training manager had painstakingly designed a chart to record our progress which was a magnificent piece of work and had 12 names on it except mine. One lad called Trevor Bray had left the scheme and rather than spoil his chart and put my name on it I became for the next 9 months Trevor Bray, at least as far as the training was concerned. Fortunately, my first year certificate had my real name on it but it was an anxious month I spent waiting for it. Confusingly, when I went into the workshop I was then called Stuart for quite a while.

Steven Rose – February 2021

Malcolm Murray - My Introduction to Engineering - Chapter 1

My real first introduction to engineering began at Sleaford Secondary School. I sat my Eleven Plus twice and failed so missed out on Sleaford Grammar School. My father was head of department covering woodwork, technical drawing and of course metalwork at Sleaford. We lived in a small village called Dorrington with my brother where we attended middle school. In the summer of 1962 we moved to Sleaford to be nearer the school for both me and my father.

I enjoyed my school days earned good money on my Saturday butchers round, delivering morning papers to Cranwell Air Base. This was hard, as a new boy I got the officers' quarters which were well spread out. You got into the back of the van with two other boys, sorted your bag out from the piles of papers, jumped out and ran so you finished your round to be ready for your return journey. I also delivered the evening Lincolnshire Echo six days a week including the Green Echo on Saturdays with the sports results.

I collected the monies on a Friday evening and with the price at 1 shilling and 10 pence per week I got a lot of tuppences as tips, so it was a good earner. The market collapsed when the price went up to two shillings. I also enjoyed being a bush beater on shoots during the winter months so I wasn't work shy.

Anyway back to engineering. Our school classes were split into three groups; general, agricultural and the 'A' stream steered you to GCEs. I was placed in the 'A' stream. The school was also split in two, with the main school on Church Lane and the practical subjects being taught a fifteen minute walk away off West Gate. This was the part my father taught at, so you have guessed by now he taught me.

I took my GCEs in Maths, English, Geography, Metalwork Craft, Technical Drawing, and Engineering Design. In my extra year at school I re-sat the core

subjects and took my Physics exam in CSE. I was a good pupil but hopeless at exams. I failed my core subjects three times but passed all practical subjects first time along with my Physics CSE.

One major problem I remember facing was keeping my technical drawing paper clean being left handed. The metalwork class room was equipped with vice benches, small lathes and pedestal drills. A small forge allowed us to prepare and make castings. My pride and joy was a small woodwork vice, including all the turned parts, as part of my class work presentation. I still have the vice today.

So this pointed me to my future.

Malcolm Murray - February 2021

Malcolm Murray - My Introduction to Engineering - Chapter 2

Chapter two begins in July 1968 when my father accepted a Head of Department for a Craft and Technology post at Leeds Central High School. So we moved from Sleaford to Cookridge north of Leeds.

Shortly after settling into our new home my father said "It's time for you to look for a job."

So, I entered the employment building in Leeds with trepidation. At the interview I was asked what I was interested in doing and for some reason I suggested the Forestry Commission would be nice, but when they said you would have to leave home and go to college with little pay, with the only other funds coming from my parents, I declined.

I then thought I'd like to be a Customs Officer but they don't recruit until you're 21 years old I was told.

Not being able to think quickly due to nerves I couldn't avoid the subject of engineering being raised. So, I heard the immortal words "What about an engineering apprenticeship as all your qualifications point in that direction."

I left that with them and after a few days I was offered a placement at Greenwood & Batley, known as Greenbats of Leeds who made Locomotives or George Mann's who made Printing Machinery.

Talking to my father he recommended George Mann's as the better option because it had its own training school on David Street, just off Water Lane, which was quite central and printing machinery was bit more up-market to heavy plate work.

By now Leeds Engineering was closed for its August two week's annual holidays so I was told to report to the training school on the 19th August, my first day of adult working life.

On arrival we were introduced to the staff. At this point I would like to refer you to Andrew Kibler's account of the school as he attended a few years after me. A member of staff I remember was a Mr. Aspinall who was quite young and had a pleasant way of teaching. He later introduced a few of us to Ten Pin Bowling at the Merrion Centre in Leeds. We joined a league and we called

ourselves the “Wise Owls” after the pub in Ireland Wood. I always remember the 12 hour non-stop bowling evenings from 7pm to 7am the next morning.

The first job we were given was a 100mm (4”) x 450mm (18”) long square block of steel and a hack saw. We were then instructed to cut a piece off to make a vee block.

It took two days and a handful of blisters. What was most frustrating was we were working on benches on a mezzanine above the machine shop and looking down we saw the staff cutting the blocks on a Horizontal Band Saw.

Having cut our blocks we were handed a file (2nd cut) to file square all six sides of the block and finally draw file to improve the finish. That took the rest of the week to complete.

The second week a Mr. Skinner, who was the Works Manager, came to the class room in the building for me to sign my apprentice indentures along with my father. Maybe the vee block was the first test.

I was told that due to my qualifications I would be placed on the 1st Year Technicians course, connected to Kitson College, and if I did well I may be able to go on the ONC course. It took about a month before I realised I was on a combined Craft Course PT1 & 2. We contacted Mr Skinner and he apologised but said the T1 course was full but if I did well I would be placed on T2 for the second year which wiped out the ONC.

Back to the vee block, we were instructed to blue and mark off our blocks for cutting the vees and the slots to take the clamp carrier which we would be making at a later date.

It was at this point that we all learnt how inflammable blue cleaning fluid was. One of the apprentices excused himself to the toilets which were outside in the yard and the next minute the staff were dashing out to put the lad's overalls out as he had struck a match for a quick cigarette. He had severe burns to both hands but luckily the staff acted promptly.

Another event at the school involved me. That winter we had a lot of snow and at lunch time we went onto David Street for a game of football. At this time we were being instructed on the forge located in the yard to make a chisel from hexagon bar.

Having lit the forge in the morning we returned after our lunch break with wet and frozen feet. Whipping my shoes and socks off I sat on the large anvil to warm and dry them close to the fire. Has anyone ever had chilblains? If not I wouldn't recommend them. I had to be taken home by my father, I was off work for the rest of the week with feet like balloons, and it was painful. I must add that during my first year at the training school I made friends with a lot of lads and we all grew up by the experience.

It was now time for the 1969 summer break and I was waiting for my exam results before starting my 2nd year on the shop floor. I couldn't wait but it didn't start well.

But that's my next chapter...

Malcolm Murray - March 2021



Malcolm and Lynne Murray.

Malcolm Murray - My Introduction to Engineering - Chapter 3

The 1969 summer holidays were over. My return to work on the “proper shop floor” didn’t start well. I walked from the bus station to Water Lane as I had done for the previous 12 months, but this time I went under the large archway which was where you clocked in. A few lads were in front of me getting their new clock cards from the time keeper who had an office between the In and Out boards section so that he could watch for any skulduggery by the workers. As I approached him again a little nervous not knowing where I would be sent he asked for my name and looked for my clock card. *“What’s your name again”* came the reply, following a further check he said *“I don’t have a card for you, let me go check”* Getting on the phone with a few words and nods he returned and said *“You don’t work here; you’re a George Mann employee.”*

By the look on my face he realised I hadn’t a clue what he was saying. *“Come in the office and I’ll make a call for you.”* To cut a long story short I should have been at the George Mann works on Accommodation Road which I had never seen and always thought I was a Water Lane apprentice but that works was Crabtree’s.

George Mann’s sent a car to pick me up and I didn’t have a clue where I was going. But not a lot of apprentices can say they were chauffeur driven to work on their first day.

I reported to Mr Skinner and he explained I would start my shop floor apprenticeship in their milling section under Wilf Hewson. I was also told I

would be doing my T1 (not T2) as promised, at Kitson College in a couple of weeks as my results were all Distinctions.

"Where's your tool box you made at Water lane?" Was the next question I faced? "I haven't brought it" "Well you better bring it tomorrow with a lock on it" was Mr Skinner's response.

Foreman Wilf was to say the least a good teacher. You started off just saw cutting pieces from a bar on a Horizontal Mill. This is when you learnt not to put a key in a circular saw to prevent it smashing if it jammed. I was introduced to the bonus system straight away where 1st years were allowed 75% of the time allowed on the card. This would be reduced by 25% each year you progressed. I seem to remember I was allowed 50min setup and 4min each to cut through a section ½"x 1.1/2" (12mm x 38mm).

We always had to submit our 1st off to the inspector (Tony) who sat in the middle of the bay watching every move you made. His favourite saying having checked your work was "*bring it back when it's right*" no help given. It was generally the deburring that wasn't good enough. But it was these little things that turned you into an engineer. During my time I worked on Horizontal & Vertical milling machines and occasionally I was sent to the punishment machine. This had two joined heads one carried the milling cutter and the 2nd carried a series of changeable followers with the final one matching the cutter size to replicate the template. The function of the machine was to use two handles on a table one for X axis and one for the Y axis and apply pressure to keep the follower in contact with the template to produce what we called pawls. As bonus was involved you tried to skip a follower and take a bigger cut, this was fine with larger followers but once you got close to the finish cut the cutter on occasion would grab and try to rip the handles from you when your pressure was going from one axis to the other. Hence your arms ached after a couple of hours on this pig of a machine.

Starting day release at college on T1 which again was a lot of what I had done at school so it wasn't too different from the Craft 1 & 2 course of the previous year.

On my third week while in a college workshop a member of staff asked for by name.

Taking me out of class he said I had to be taken off my T1 course because one or two lads had heard (*from me at college*) that I was on T1 while they were on Craft PT3. Crabtree personal pressured the college and I ended up on Craft PT3. I learnt two lessons that day, that life wasn't always fair and to keep your mouth shut. Another year past with Distinctions I was now on + 50% T.A so a knock on Mr Skinners door about college saw me placed back on T1 and I think it was this year that apprenticeships were reduced from 5 years to 4 years. I continued towards gaining my Full Technicians Certificate (T5) in 1974 at Leeds Polytechnic. I was married in 1972 lived in a flat in Whinmoor for 18 months then moved to Birstall having saved a deposit bought our first house together. I did attempt to take my HNC for 3 evenings a week but getting to January I found it too much, and to be honest it was affecting my

work which wasn't fair on the company as Mr Skinner had allowed me those extra years at college.

At work I did 18 months on the milling section before moving to the Cylindrical Grinding bay. This was where I made a lot of bonus as it was a key area for the accuracy of the parts on the presses. I always remember watching a machine that ground what we nicknamed "piccolo tubes". These were 1.1/2" dia x 160in long (*approx*). They carried the blower nozzles placed across the press to keep the paper down so every 4in a slot had been machined across the tube which had been stress relieved but was never quite straight. A steady was placed between each 2nd slot and adjusted as the grinding wheel pasted each one until the tube cleaned-up. Jack the operator walked miles up and down following the wheel adjusting the steadies every time a few thou was removed.

Although grinders in the trade were regarded as semi- skilled, Jack in my eyes was super skilled. While in the grinding section I was called to the "office" where I was offered a position in the planning and rate fixing department under Mr Bancroft. My starting time changed from 7-30am to 8am which was a great help as I was doing one evening class a week at college. I started gumming planning cards onto the back of the A4 drawings (3-off) and sealing them through a heated film machine. There were four other people in the office, Mr Bancroft, Tom Martin and John Craddock the fourth name escapes me (any help out there). Gradually I was introduced to planning the route cards and later putting times on the operations. This was followed up much later with going out to watch the operator who objected to the time allowed which I was not comfortable with. All the details were calculated from historic records and on one occasion I was told to go and watch a bearing block been turned from a casting. Checking the casting surplus material to make sure I'd allowed enough cuts he proceeded to turn the casting to the recommendations, initially breaking under the skin which was intermittent and once he cleaned the casting he proceeded to take the bigger cuts where the machine nearly ground to a halt. "*There you are this machine won't take that depth of cut with that feed*", "*I'll need to go and check my figures was my reply*". Having done the check I needed a wiser head so Tom went out and soon returned smiling.

"You've been had, next time check the number of belts on the pulley driving the chuck." Lesson learnt.

George Mann's became Crabtree Mann then finally Crabtree Vickers, who introduced "Cell Manufacturing" this involved placing groups of machines together that followed the same operations e.g. turn, mill, drill. To reduce movement. This is the time a Vero 2 axes N.C machine was introduced and I didn't realise at the time this would change my career path. The machine require punched tape to control the X & Y axes, this was punched by hand at first on 3in then later reduced to 1in tape which was typed on a machine but small modifications still needed the old hand punch and needle.

John Craddock was the N.C man and I would assist if needed. The next step was for John to go on a MDSI training course which allowed you to convert a drawing into elements e.g. lines, circles and points and drive the tool

in 3 axes following your commands, this was then typed out and sent to a main frame computer in the USA by telephone modem and a machine tape was returned to suit any machine you wished to manufacture the part on. This was a massive step forward in allowing the same part to be manufactured on various C.N.C machines just by providing the control and machine type before running your programme.

John Craddock left to join Joseph Rhodes in Wakefield, I had finished my apprenticeship and I stepped into his shoes with little training but it led me to further engineering adventures.

Malcolm Murray - May 2021

Gordon Toulson - A Christmas Past...

As the recent Christmas season came to a close I was reminded of a Christmas past...

In the early seventies I was an apprentice in the toolroom at Wilsons & Mathiesons Ltd. based in Armley. It was a great place to work, with some excellent toolmakers who were only too pleased to pass on their skills to the younger generation. Closer to Christmas a collection box came around for the annual 'fuddle' and we made contributions which were to go towards food and drink on Christmas Eve. It was the tradition on the last working day of the year that everyone 'clocked off' at midday and went to the pub for the afternoon. In the case of the toolroom lads it was much better organised than a casual meet up in the pub. I discovered during my first time that our fuddle was to be held at The Holy Family Club in Armley, a short walk from the works. One of the toolroom lads was an active member of the club and arranged a private party to be held there until 5.00 pm when it was then opened to their members.

On arriving at the club we were all given two tokens for drinks at the bar and there were several tables creaking under the weight of pork pies, sandwiches and cakes, some of which had been supplied by wives and girlfriends. I had not seen such a feast as this for ages. I wondered if it would all be finished by the lads as there were only about thirty of us in total, including a few friends from other departments. The club was well appointed with two dart boards and a couple of snooker tables. Some played dominoes and some played games of cards. My Dad had played billiards and snooker from the age of fifteen and had given me a few lessons over the years. Teams of two were drawn up and, as I was the new boy, I felt as though I would be one of the last ones to be picked.

Peter, a flame haired older apprentice chose me, maybe out of sympathy, and our game of snooker doubles got under way. At first I was a little relieved to see some dreadful shots, having initially thought I would be embarrassing myself on the table. Peter potted a red with confident skill and followed by potting the pink. There was occasional applause, being careful not to distract players on the adjacent table. My turn came and there were a few encouraging comments as well as a bit of banter. There was an easy red much to my relief and, more through good luck than skill, the cue ball lined up

for a similar shot at the blue. Comments from onlookers grew louder and I felt my heart pounding as I lined up the shot. The blue disappeared into the pocket and I was immediately declared a 'hustler.'

It was amazing how acceptance grows amongst your workmates but for me that was a moment to savour. We won the frame but it was mainly due to Peter's consistent success with shots. Having been somewhat successful at snooker I was next roped in to play darts. I had played a few times in the local pub and again I feared embarrassing myself. Some of these chaps were very good players and had brought their own darts. After a couple of uneventful games I was relieved by an announcement "Grub Up!" We tucked into the food with gusto with appetites enriched by the first couple of pints of Tetley's Bitter. As any inhibitions we may have had fell away we circulated and chatted with our colleagues. It was a wonderful afternoon and after Christmas I felt a closer friendship with one or two of the lads, who up to that time had kept me at a reasonable distance.

The afternoon was drawing to a close, the food mountain had been all but demolished, and some were beginning to drift away. A hard core, I am afraid to say including me, stayed on until around 6.00 pm. My pal Peter suggested we continue the party and invited me to The Northern Snooker Centre on Kirkstall Road in Leeds, where he was a member and had obviously honed his skills there on the tables. We made our merry way (for that, please read 'staggered') down Armley Road to the centre. Peter signed me in and I found myself for the first time in a proper snooker hall. It was very impressive and just how I imagined it would be, having watched many snooker tournaments on television. Only a couple of tables were in use and Peter tried to cajole me to play. I was terrified in my state of mild festive inebriation that I would rip the green baize. Instead we watched a couple of frames of the other members. A young lad of around twelve years old appeared and greeted Peter. I was introduced to Robert who was the younger son of the proprietor of the centre. Robert and Peter played a couple of frames and I watched in admiration at their skills, especially of young Robert, who would have been a fantastic secret weapon in our snooker team at the club earlier. I feel sure he would have pretty much trounced the rest of the players. More members arrived at the centre and we socialised as best as we could considering that by that time Peter and I had probably drunk enough beer to render a small horse unconscious, or it seemed to me that I had.

I saw on social media that people were comparing stories of Christmas Eve after work. One writer could not believe that it was possible to drink from midday right through to midnight. I survived that day, and the following year too, when we had a similar afternoon in the same club, although that time it was to be an early finish and we all headed for home at 6.00 pm.

A year later and the company was broken up. Some products were transferred to other companies in the parent group. A select few products were to be manufactured on a much smaller site in Elland Road and the valuable twenty-seven acre site in Armley was to be sold off. The toolroom was no longer required due to new production processes coming along and so the lads I spent my early years with were disbanded and they moved away to

work at other engineering plants around Leeds. It was the end of a long established company but for me it was to be the last time I enjoyed such a splendid Christmas Eve afternoon with my workmates.

Gordon Toulson - January 2021



The first British Rail standard steam locomotive Class 7 No. 70000 "BRITANNIA" built in 1951 at Crewe.



Langkawi Sky Bridge is a 125-metre long cable-stayed bridge in Malaysia, completed in 2005, featuring a curved pedestrian walkway.

The 'Chip Lad' and the Making of a Skilled Man

I left Todmorden Grammar School in September 1953. This school has had two Nobel Prize Winners in the past. The first was Sir John Cockcroft for splitting the atom and Prof. Geoffrey Wilkinson for specialist work in Physics. Both were taught by the same teacher, but several years apart. The teacher had retired by my time, so I have had to be content with much lesser fame.

In 1953 the job situation was such that one could pick (or in my case have picked for you) almost any company to join. My real ambition was to have an apprenticeship at Horwich Locomotive works in Bolton, but father said there was no point in going there as it was so big that you would only end up as a number. He was, for most of his working life, a textile machine fitter, initially in Todmorden, then Manchester and later in Rochdale. There were also vacancies at Turner & Newall in Rochdale, (manufacturers of asbestos, but the real danger not as yet understood) again too big. However, there were plenty of local companies deemed suitable. Both Ormerods Machine Tools or Pickles wood working machinery in Hebden Bridge were classed as OK with John Pickles Ltd. being the better choice for the variety of the products. So I duly attended there one Monday morning complete with blue boiler suit, clogs with irons, a pint pot and a lunch box. I was introduced to the shaper department charge hand and a small Alba shaper. At 10 o'clock the previous latest apprentice came for me to show how to take on his job of "Chip Lad" going around the factory to get orders for fish and chips and sandwiches to be brought back from Hebden Bridge, almost a mile distant by foot, using two aluminium handled tomato boxes. This job for every day was not a complete waste of time, as there was a penny per item (fish and chips counting as one item) for fetching it. This gave the chance to be acquainted with all the machines, operators, fitters, pattern makers and moulders, who were consistently friendly or not, and to increase the £1-13s-0d weekly wage. I must have done this shopping job well because the quantity carried back increased from the two not full boxes, to the two boxes and four carrier bags, all full. Time and motion quickly sorted out the schedule of ordering the fish and chips and sandwiches on the way to other shops to be collected, ready packed on the way back. This worked for the shop keepers as well as me. I am still recognised by retired shop keepers and pass pleasantries even today.

The machine shop was one of the best in the Calder Valley with four shapers, two big and two smaller, and in the same row was a Webster and Bennett vertical lathe capable of machining 7ft diameter band saw wheels. Louis considered himself to be an expert, as two wheels ended up the same diameter with a slight curve to the OD to keep the saw blades running true. Big micrometers did not exist at Pickles, so calibrated distance bars were used with calipers for all dimensions in the works. We also had a small furnace and anvil beyond there, where we bent bars and forged old files to make decent scrapers. On the opposite side of the aisle there were four planing machines of different ages, the eldest of which had a habit of the side stops missing the switch and the table ending up in the aisle. The next bay housed an open sided planer, three radial drills, a horizontal borer and an Ormerod slotter, plus the fitting area where I eventually ended up. Located on the ground floor of the three storey building were three milling machines and a

bar store including the "Hollow Mandrel" with its dedicated small four wheel bogie. This was taken to various machines by new apprentices. We also had a long stand for apprentices to stand by the more sociable machine men. The second floor was especially for electricians who wired up the motors and starters of the machines we produced. The top floor was the canteen where the fish and chips etc. were delivered by the Chip Lad, and the tea trolley serviced for morning and afternoon brews delivered on the shop floor. The next bay located five assembly benches and a marking off bench. The final bay was the turning shop with two Ward 4 and two Ward 7 lathes and four centre lathes, all set at an angle to clear long bars, and two cylindrical grinders. The remaining part of the bay was used for storing finished machines prior to despatch onto lorries in the sunken loading bay. All four bays had overhead cranes. There was also a foundry behind the shapers in a separate building, using floor and box moulding, with a pattern shop in an area equivalent to the second floor next door. We were told never to borrow or steal a ruler from the pattern maker as the inches were longer than standard to allow for castings shrinking. We also were warned to make sure that any ruler was checked to ensure that bits had not been chopped off.

I spent far too long on the Alba shaper and being Chip Lad, but eventually progressed to a Ward 4 turret lathe and then to the fitting bay. One day we had visitors from Japan, complete with cameras to tour the factory. One of the Ward 7 operators, a very likeable man, came to me and said he would disappear to the field behind the works until the visitors had gone, otherwise he would kill them, and he meant it. He had been a prisoner in the Far East but never mentioned it.

So to the fitting bay, where I learned how to file and remove lots of cast iron and steel without getting tired. All the machines we made had tables of various sizes and needed the edges smoothed by a radius. This was formed by using a hammer and chisel to create a chamfer to be rounded off by filing and polishing with emery cloth. It did not take long after hitting one's thumb several times to hit the chisel every time. I can still hit a chisel and not my thumb. We made our own scrapers from carbon steel files shaped and heat treated in the forge and sharpened on a large rotating whetstone. Special tools were also made in the forge. We also had short and long dovetail slides to scrape and fit to run easily the full length, some taking a week to get right. Set screw adjustments were not allowed as they were for others to use. All wheels were balanced using precision rolling discs and finished by filing the inner rims. Another precision job was to set cutters on planers to cut without ripples and to adjust the thickness to cut parallel boards. I listed some two hundred different wood working machines, not including size variations, made at Pickles during my apprenticeship.

To list just a few products, most common, and regular were circular saw benches and top and bottom planers followed by small band saws. These were so regular that castings were made well in advance and left outside to mature. They were better to work on than those straight from the foundry. Another set of common machines were horizontal and vertical band saws using blades six inches wide. Coiling these up was an art taught by lots of laughs and avoiding being chopped up. The smaller joiner shop ones almost

fell on the floor by themselves in comparison. We made a complete set of machines to make matches for use in Jamaica. A set of machines for the manufacture of barrels (Cooperage) including riveting the hoops and pressing them on were made. All the staves were of different width and the top and bottoms were not round, resulting in a stronger barrel. Several varieties of spindle moulders, routers and dovetail joint jigs were made. Slicers for cutting thin veneers for controlled grain patterns were difficult machines to make with twelve foot slides. Plywood peelers rotating the log as the blade advanced were good to watch being tested. A full sleeper azder for British Railways took up most of the fitting bay. It cut sleepers to length, cut the flats for the chairs to rest on, and drilled three or four holes to fix them on, all fed through automatically. We made one machine to cut unused fish box scrap into wood wool. This was a flywheel with a twelve inch crank pulling the cutters back and forth as the wood was advanced into them. A three oscillating roller sander as a new design caused lots of bad words to be emitted until the cams and bearings behaved. One spectacular machine, made similar to a centre-less grinder, trimmed and taper rounded tree trunks to make telegraph poles. A bit exited if the trunk was slightly bent, with one end wiggling around! A grinding machine using cams for sharpening and forming saw blades and band saw blades need a bit of careful setting up. All this proved father correct with the variety of work.

There was of course further education. I was allowed to leave work early three days each week to travel home get cleaned up, have some tea and catch a Todmorden bus (actual PD2s shown later) back to Hebden Bridge to change to Halifax Corporation to attend the Percival Whitley College on Hopwood Lane in Halifax. The buses never connected in Hebden Bridge resulting in a 45 minute journey each way. I eventually managed to get a HNC. I went to a cricket club AGM where the chairman said young people did not practice enough. I thought that was a bit rich, as Sunday was taken up by homework. I was deferred from National Service until the end of the five year apprenticeship but eventually received a brown envelope containing a requirement to attend a medical in Bradford, and then Wittering Air Force base, with details to be provided later. The next brown envelope cancelled the requirement and advised not to attend. National Service was being wound down and I was classed as not as fit as needed. I was a bit sad as all my friends were accepted. At the end of the apprentice training the company clearly expected us to find other employment, so I registered with the Executive and Professional Register in Bradford. That was another experience which resulted in a long term of employment at Hydraulic Engineering in Rodley.

John Bentley April 2021.

List of Members 2020				
Type	Name	Date Elected	Address	Business Address
F	Aldersley, John	03 Jan 2008		
F	Allen, Gerry R.	01 Aug 1987		
F	Ambrose, Richard	10 Aug 2017		
F	Atkinson, Egide Francis	29 Apr 2010		
F	Audsley, Peter B.	25 Sep 1975		
F	Bannister, David M.	31 Jan 1980		
F	Barton, David	29 Mar 2007		
F	Batchelor, Mark C.	01 Mar 2007		
H	Bate, Mike	04 Oct 1989		
H	Battye, Edwin	14 Oct 2004		
F	Beaumont, Paul	28 Sep 2017		
H	Bell, David.K.	27 Sep 1979		
H	Bennett, John C.	12 Dec 2015		

Type	Name	Date Elected	Address	Business Address
H	Bentley, John	14 Oct 1987		
F	Blakeley, Ian A.	25 Jan 1996		
Hon	Bond, Graham	06 Sep 2017		
F	Braime, Alan	03 May 2015		
F	Burchall, Neil	28 Sep 2015		
F	Burgess, Chris.	20 Sep 2000		
F	Burton, Jennifer M.	04 Oct 2018		
	Dziombak, Vas	06 Sep 2018		
F	Davies, Alan J.	24 Sep 1981		
F	Elvidge, Michael J.	26 Sep 1996		
F	Fairhurst, Lee	12 Apr 2001		
F	Fearnsides, Andrew	30 Jun 2016		
F	Finn, John	12 Sep 2002		
F	Fitzpatrick, M. G.	12 Apr 2001		

Type	Name	Date Elected	Address	Business Address
F	Garland, Gerard P.	06 Dec 1994		
F	Gledhill, S. J.	28 Feb 1991		
F	Harding, Chris	24 Nov 2016		
F	Harris, Andrew	04 Sep 2014		
H	Hazeldine, R. S.	25 Oct 1973		
H	Hegarty, Kevin J.	25 Sep 1969		
F	Hunt, Anthony O.	30 Jan 1969		
F	Jagger, C.,W. (Bill)	29 Apr 2004		
F	Johnson, R.	27 Jul 1994		
H	Kelsall, John D.	10 May 2014		
F	Kibler, Andrew	07 Nov 2002		
F	Kingswell, Howard	12 Sep 2002		
F	Lee, Philip W.	04 Nov 1987		

Type	Name	Date Elected	Address	Business Address
F	Letch, Roger	07 May 2019		
H	Mathers, Tony	29 Apr 1993		
F	McKay, Ian	27 Sep 2018		
H	Miller, John	02 Dec 2016		
F	Murray, Malcolm S.	28 Mar 1996		
F	Norris, Kenneth	15 May 2007		
F	Pease, John	26 Sep 1992		
F	Pollard, Martin	01 Oct 2015		
Corp	Poole, Richard Barker	31 Jan 2019		
H	Rayner, Peter. W. T.	27 Apr 1995		
F	Rogers, Alexander	24 Apr 1975		
F	Roper, Graham	03 Apr 2008		
Life	Scaife, Mark A.	30 Nov 1993		
F	Scholes, G. Ian	29 Nov 2009		

Type	Name	Date Elected	Address	Business Address
F	Scollen, John F.	20 Oct 2015		
F	Scrupps, Lionel J.	25 Sep 1975		
F	Sheldon, Steve	29 Sep 2005		
F	Shergill, J.S. (Jas)	06 Apr 2006		
F	Smith, Keith J.	25 Oct 1973		
F	Stacey, Steve R.	26 Oct 1995		
F	Stockdale, Brian	30 Jun 2016		
F	Stocks, Chris	26 Sep 1991		
H	Stoker, Michael F.	22 Oct 2015		
F	Tattersfield, Stephen	30 Jun 2016		
F	Thompson, Richard D.	05 Feb 1997		
F	Tilley, Ralph	27 Nov 1980		
F	Toulson, Gordon	20 Jul 1975		
F	Town, Ross	02 Mar 2014		

Type	Name	Date Elected	Address	Business Address
Corp	Ward, David	06 Aug 2018		
Corp	Walker	02 Nov 2017		
F	Whitehead, Mark	15 Apr 2019		
F	Wiese, Anthony M.	09 Jan 2009		
H	Yates, Barrie J.	30 Mar 1995		

Subscription payments.

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1. By post to the Membership Secretary, enclosing the remittance form from the circular with your cheque.
2. Direct to the Membership Secretary at a Meeting or Visit.

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